

**Grilă de îndeplinire a condițiilor minime si obligatorii
 pentru titlul de profesor universitar / abilitare
 Comisia CNATDCU NR. 17, Inginerie mecanică, mecatronică și robotică
 OMNCS 6129 / 20.12.2016**

Conf. dr. ing. Ovidiu VASILE

Condiții minime si obligatorii				
Domeniul de activitate		Indicatori	Realizat	Minim
Activitatea didactica/profesionala (A1)	A1.1	N1	7	2
		N1.1	1	1
		N1.3	5	1
	A1.2	N2	23	4
		N2.1	11	2
Activitatea de cercetare (A2)	A2.1+A2.3	P1+P2	49,59	10
		P1	43,1	6
	A2.2	N3	40	10
		N3.1	10	5
	A2.4+A2.5	N4	2	2
		N4.3	1	1
Recunoașterea impactului activității (A3)	A3.1	S1+S2	861,6	50
	A3.2	N5	45	10
	A3.3	C	1089	25

27 august 2022

Conf. dr. ing. Ovidiu VASILE

**FIȘA DE VERIFICARE A ÎNDEPLINIRII CONDIȚIILOR MINIMALE ȘI OBLIGATORII,
COMISIA CNATDCU Nr. 17, INGINERIE MECANICĂ, MECATRONICĂ ȘI ROBOTICĂ, OMNCS 6129 / 20.12.2016**

Conf. dr. ing. Ovidiu VASILE

Departamentul de Mecanică

Facultatea de Ingineria Sistemelor Biotehnice

Universitatea "Politehnica" din București

	1. Activitatea didactica si profesionala - DID (A1)			
	A.1.1. Manuale suport de curs (conform fișei disciplinei de concurs)			
	Format tiparit/electronic[1] (min. 100 pag.)			
	Coordonator/prim autor N1.1			
1	Vasile O. , -Mecanica – Statica sistemelor de corpuri rigide, Editura Impuls (recunoscută CNCISIS), București, 2014, ISBN 978-973-8132-81-8. (250 pag.). Dovadă Biblioteca Națională: https://aleph.bibnat.ro/F/96S84U18E1P9PUUJAARGD129IFABLUFLD29PTYDCJ12R6SIELL-44200?func=full-set-set&set_number=018034&set_entry=000010&format=999 (format tiparit)	1		
	N1.1	1	Obligatoriu	1
	Co-autor N1.2			
1	Bugaru M., Vasile O. , Tiron A., Stanila R., David M., Stoica D., Nita S., Toma-Ghica A., Costache A., Prunau M., "STATICA, Noțiuni de Teorie și Aplicații", Editura Penguin Book, București, 2006, ISBN 973-87323-6-0, (290 pag.), Biblioteca U.P.B. (format tiparit)	1		
	N1.2	1		
	Format electronic disponibil pe platforma universitatii/departamentului (autor) N1.3			
1	Vasile O. , Metode pentru combaterea zgomotului (I.S.B.), Suport de curs în format electronic, https://curs.upb.ro/2021/mod/folder/view.php?id=37371 , Editia 2021, 192pag.	1		
2	Vasile O. , -Elemente de acustică tehnică (I.S.B.), Suport de curs în format electronic, https://curs.upb.ro/2021/course/view.php?id=311 , Ediția 2021, 130 pag.	1		
3	Vasile O. , Technical mechanics (F.I.I.R.), Suport de curs în format electronic, https://curs.upb.ro/2021/course/view.php?id=6239 , Editia 2021, 158pag.	1		
4	Vasile O. , Mecanica (Statica-Cinematica-Dinamica) (Energetica, seria D), Suport de curs în format electronic, https://curs.upb.ro/course/view.php?id=7223 , Editia 2020, 110pag.	1		
5	Vasile O. , Mecanica I (Transporturi, seria B, C), Suport de curs în format electronic, https://curs.upb.ro/course/view.php?id=11674 , Conține: - Notiuni de statică și cinematică , Aplicație rezolvată – Cinematică, cu metoda CIR + plan de viteze și plan de accelerații, exemple rezolvate, Editia 2020, 125 pag	1		
	N1.3	5	Obligatoriu	1
	N1=N1.1+N1.2+N1.3	7	Obligatoriu	2
	A1.2. Material didactic/Dezvoltare laboratoare, aplicatii			
	Standuri laborator(construcție/modernizari) certificate de directorul de departament			
1	Stand de laborator pentru testarea atenuatoarelor de zgomot modulare cu una, două sau trei camere de expansiune – determinarea pierderii prin transmisie sau a pierderii prin inserție, în 24 de combinații de montaj posibile (amplasat în BN046);	1		
2	Stand de laborator - Determinarea experimentală a pulsațiilor proprii la un sistem mecanic cu trei mase (amplasat în BN046);	1		
3	Stand de laborator - Studiul frecvențelor proprii la o bară/placă utilizând presiunea acustică (amplasat în BN046);	1		
4	Stand de laborator - Analiza reducerii zgomotului prin conducte utilizând rezonatori acustici (amplasat în BN046);	1		
5	Stand de laborator – Soluții de carcasare pentru demonstrarea practică a reducerii zgomotului surselor acustice în mediu reverberant sau difuz (amplasat în BN046);	1		
6	Stand de laborator – Determinarea rigidității dinamice a materialelor elastice cu suprafață plană (amplasat în BN046);	1		
7	Stand de laborator – pentru analiza vibrațiilor mână-braț și scaun (amplasat în BN046);	1		
8	Stand de laborator - Analiza oscilațiilor și a formei de undă a unor pendule simple (amplasat în BN046);	1		
9	Modernizare laborator – cu un sistem pentru controlul activ al vibrațiilor (amplasat în BN046);	1		
10	Modernizare laborator – cu un sistem pentru achiziție și prelucrarea datelor vibro-acustice într-un punct de măsurare, cu Sonometru 2270 Brüel & Kjaer (amplasat în BN046)	1		
11	Modernizare laborator – cu un sistem multicanal pentru achiziție și prelucrarea datelor vibro-acustice cu sistemul multianalizor PULSE (12ch) și placa de achiziție NI 9234 (4ch) – utilizând traductoare de accelerație uniaxiale/triaxiale, vibrometru laser și microfoane (amplasat în BN046)	1		
	N2.1	11	Obligatoriu	2



	Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)			
1	Vasile O. , -Acustică tehnică: indrumar de laborator, Editura Politehnica Press (recunoscută CNCISIS), București, 2013, ISBN 978-606-515-536-7 (87 pag.).Dovadă Biblioteca Națională: https://aleph.bibnat.ro/F/96S84U18E1P9PUUJAARGD129IFABLUFLD29PTYDCJ12R6SIELL-44166?func=full-set-set&set_number=018034&set_entry=000001&format=999 (<i>format tiparit</i>)	1		
2	Vasile O. , Proiectarea atenuatoarelor de zgomot și vibrații (I.S.B.), <i>seminar/proiect</i> ; conține: Determinarea pierderii prin transmisie a sunetului la trecerea printr-un atenuator de zgomot; - Proiect - Atenuator de zgomot modular; - Rezultate experimentale (22 de situații); Sectiuni de programe MATLAB pentru determinarea pierderii prin transmisie; https://curs.upb.ro/2021/mod/folder/view.php?id=37425 ; 64pag (<i>format electronic</i>)	1		
3	Vasile O. , Bazele acusticii 1 (I.S.B.), <i>seminar/laborator</i> ; conține: noțiuni generale, Nivele acustice, Mediarea nivelului de presiune acustica, Nivel de presiune/putere acustica, Directivitate-Indicii de directivitate, calcul directivitate, atenuare panouri/bariera, calcul atenuare bariera; https://curs.upb.ro/2021/course/view.php?id=309 , 60 pag (<i>format electronic</i>)	1		
4	Vasile O. , Bazele acusticii 2 (I.S.B.), <i>seminar</i> ; conține: absorbtia acustica-metoda functiilor de transfer, Aplicatie rezonatori, Efectul Doppler si undele de soc, Masurarea izolarii acustice, Parametrii acustici incinte, Transmisia prin pereti, Analiza reducerii zgomotului prin conducte utilizand rezonatori acustici; https://curs.upb.ro/2021/mod/folder/view.php?id=173276 , 70 pag (<i>format electronic</i>)	1		
5	Vasile O. , Metode pentru combaterea zgomotului (I.S.B.), <i>laborator</i> ; conține: prezentare laborator, absorbtie acustica 1 / 2; atenuare panouri; izolare acustica; prezentare atenuator; informații normative; https://curs.upb.ro/2021/course/view.php?id=8714 , 147 slide-uri (<i>format electronic</i>)	1		
6	Vasile O. , Norme și reglementări în domeniul zgomotului, vibrațiilor și protecția muncii în acest domeniu (I.S.B.), <i>laborator</i> ; conține: prezentare laborator, analize vibratii macara mobila, analiza vibratii tractor, model calcul, ghid de masurare si analiza a vibratiilor; https://curs.upb.ro/2021/mod/folder/view.php?id=46462 , 36 pag (<i>format electronic</i>)	1		
	N2.2	6		
	Aplicatie informatica educationala			
1	Aplicație de calcul specializată pentru proiectarea parametrizată, asistată de calculator (în programul Matlab), a atenuatoarelor de zgomot cu o cameră (utilizată la <i>proiect</i> , disciplina: Proiectarea Atenuatoarelor de Zgomot și Vibrații, secția de Master C.Z.V.), realizată de Vasile O.	1		
2	Aplicație de calcul specializată pentru proiectarea parametrizată, asistată de calculator (în programul Matlab), a atenuatoarelor de zgomot cu două camere (utilizată la <i>proiect</i> , disciplina: Proiectarea Atenuatoarelor de Zgomot și Vibrații, secția de Master C.Z.V.), realizată de Vasile O.	1		
3	Aplicație de calcul specializată pentru proiectarea parametrizată, asistată de calculator (în programul Matlab), a atenuatoarelor de zgomot cu trei camere (utilizată la <i>proiect</i> , disciplina: Proiectarea Atenuatoarelor de Zgomot și Vibrații, secția de Master C.Z.V.), realizată de Vasile O.	1		
4	Aplicație de calcul specializată pentru proiectarea parametrizată, asistată de calculator (în programul Matlab), a atenuatoarelor de zgomot cu trei camere și o conductă cu perforații (utilizată la <i>proiect</i> , disciplina: Proiectarea Atenuatoarelor de Zgomot și Vibrații, secția de Master C.Z.V.), realizată de Vasile O.	1		
5	Aplicații multiple, pentru achiziție și prelucrarea semnalelor vibro-acustice folosind software LabView (utilizate la <i>laboratoare</i> - secțiile Master C.Z.V. și I.P.A.C.M.S.M.) [aplicații pentru sistem de achiziție / comandă National Instruments: cDAQ-9174, CompactDAQ chassis (4 slot), NI 9234 (4ch), NI 9218 DSUB (2-Ch), NI 9263 Spring Terminal, (+/-10 V, 4ch ieșire), cu traductoare: de accelerație uniaxiale/triaxiale, microfoane, etc.], realizate de Vasile O.	1		
6	Aplicații multiple, pentru achiziție și prelucrarea semnalelor vibro-acustice folosind software Pulse LabShop (utilizate la <i>laboratoare</i> - secțiile de Master C.Z.V. și I.P.A.C.M.S.M.) [aplicații pentru sistem multicanal PULSE Brüel & Kjær: Controller Module Type 7536, Power Supply Module Type 2826, 16 ch, 2 module 6-ch. Input Module Type 3041; cu traductoare: de accelerație uniaxiale/triaxiale, microfoane, Vibrometru laser – OMETRON, Laser Doppler Vibrometer (LDV), Type VQ-400-A, etc.; actuator electrodinamic, etc.], realizate de Vasile O.	1		
	N2.3	6		
	N2=N2.1+N2.2+N2.3	23	Obligatori	4
	2. Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare -CDI (A2)			
	A.2.1. Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS)[2], unde n =nr.de autori și FI este factorul de impact [3]			
	Autor corespondent/prim autor			
	n<=3			
1	Vasile O. , “Active Vibration Control for Viscoelastic Damping Systems under the Action of Inertial Forces”, Romanian Journal of Acoustics and Vibration, vol. 14, issue 1, 2017, ISSN 1584-7284, pp. 54-58 (indexată ISI Thomson - Web of Science), Accession Number: WOS: 000415587800011	0.4		

2	Vasile O. , Miculescu F., Voicu S.I., "Correlation aspects between morphology, infrared and acoustic absorptions properties of various materials", Optoelectronics and Advanced Materials – Rapid Communications (OAM-RC), vol. 6, Issue 5-6, 2012, pp. 631-638, ISSN 1842-6573. (ISI Index refereed, http://oam-rc.inoe.ro , http://info.scopus.com/detail/what/ , Thomson - Web of Science), Accession Number: WOS: 000306577000025; 2021 Impact Factor = 0,556	1.512		
		P1.1	1.912	
	n>=4			
1	Vasile O. , Vlase S., Nastac C., Scutaru M.L., "Experimental analysis of a mechanical system composed by two identical parts", ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, ISSN 1221-5872, 2018, Vol. 61, Issue 3, pp. 333-338 (indexată ISI Thomson - Web of Science) Accession Number: WOS:000468025900007	0.3		
2	Vasile O. , Predoi M.V., Dragomir M., Tiron A., Furdui H., "Vibration isolation analysis of electric motors for essential dynamic regimes", Journal of Vibrational Engineering and Technologies, ISSN 2321-3558, 2017, Vol. 5, issue 3, pp. 239-245 (cotată ISI Thomson - Web of Science) Accession Number: WOS:000404371400005; 2021 Impact Factor = 2,333	3.0396		
		P1.2	3.3396	
	Co-autor			
	n<=3			
1	Bugaru M., Vasile O. , Neagoe M., ANALYSIS OF NOISE REDUCTION AND THE INFLUENCE OF WAVE'S DIFFRACTION ANGLE USING NOISE BARRIERS, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 65 Issue: 1 Special Issue: SI Pages: 29-36 Published: MAR 2022, Accession Number: WOS:000832312500005	0.2		
2	Potitniche A.M., Vasile O. , Capatana G.F., Modal Analysis of a Mechanical System Modeled as a 6 Degrees-of-Freedom Solid Body with Elastic Bearings and Structural Symmetries, Romanian Journal of Acoustics and Vibration, Vol. 19, Issue 1, pp. 36-40, 2022, ISSN 1584-7284, (indexata ISI Web of Science), Accession Number: WOS: 000782978600006	0.2		
3	Bugaru M., Vasile O. , A New Robust Method to Investigate Dynamic Instability of FTV for the Double Tripod Industrial Driveshafts in the Principal Parametric Resonance Region, APPLIED SCIENCES-BASEL, Vol. 12, Issue 12, 2022, Article Number 6182, DOI: 10.3390/app12126182, eISSN 2076-3417, (cotată ISI Thomson - Web of Science), Accession Number: WOS: 000818408300001, 2021 Impact Factor = 2,838	3.038		
4	Bugaru M., Vasile O. , Modeling and Analysis of FBV Movements for Automotive Driveshafts in the PPR Region, APPLIED SCIENCES-BASEL, Vol. 12, Issue 7, 2022, Article Number 3237, DOI: 10.3390/app12073237, eISSN 2076-3417, (cotată ISI Thomson - Web of Science) Accession Number:WOS: 000781051300001, 2021 Impact Factor = 2,838	3.038		
5	Bugaru M., Vasile O. , Neagoe M., Recent Developments of Noise Attenuation Using Acoustic Barriers for a Specific Edge Geometry, COMPUTATION, Vol. 9, Issue 12, Article Number 129, DOI: 10.3390/computation9120129, 2021, (indexata ISI Web of Science), Accession Number: 10.3390/computation9120129, 2021, (indexata ISI Web of Science), Accession Number:	0.2		
6	Durbaca I., Sporea N., Vasile O. , "Assessment of the Acoustic Absorption Characteristics of Layered Composite Structures Obtained from Plates with Lignocellulosic Coatings (I)", MATERIALE PLASTICE, ISSN: 2668-8220, eISSN: 0025-5289, 2020, Vol. 57, Issue 2, pp. 8-14, DOI: 10.37358/MP.20.2.5345 (cotată ISI Thomson - Web of Science) Accession Number: WOS:000579451200029; 2021 Impact Factor = 0,782	0.982		
7	Onanisof A., Vasile O. , Dragomir M., "ANALYSIS OF HUMAN WHOLE-BODY VIBRATION EXPOSURE ON A U650 TRACTOR", ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Book Series Title: Actual Tasks on Agricultural Engineering-Zagreb, Volume: 46, Pages: 129-137, 2018, ISSN: 1848-4425, (indexata ISI Web of Science), Accession Number: WOS:000506355900012;	0.2		
8	Bratu P.P., Vasile O. , Spănu G.C., "The analysis of insulation systems based on Hooke - Voigt kelvin dynamic rheological model", Journal of Vibrational Engineering and Technologies, ISSN 2321-3558, 2017, Vol. 5, issue 3, pp. 255-261 (cotată ISI Thomson - Web of Science) Accession Number: WOS: 000404371400007; 2021 Impact Factor = 2,333	2.533		
9	Tiuc A.E., Vasile O. , Vermesan H., "Acoustic Performance of Composite Materials Made from Textile Waste", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.2, 2015, pp. 111-115. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415190200002	0.2		
10	Iancu V., Vasile O. , Gillich G.K., "Modelling and Characterization of Hybrid Rubber-Based Earthquake Isolation Systems", Revista de Materiale Plastice, Vol. 49, Issue 4, 2012, pp. 237-241, ISSN 0025-5289, (http://www.revmaterialeplastice.ro/ , Google Scholar, http://info.scopus.com/detail/what/ , cotată: ISI Thomson - Web of Science) Accession Number: WOS: 000313149100003; 2021 Impact Factor = 0,782	0.982		
11	Borlea A., Kusu I., Vasile O. , "Using Particles of Recycled Rubber when Making Some Soundproofing Materials", Revista de Materiale Plastice, Vol. 49, Issue 4, 2012, pp. 275-278, ISSN 0025-5289, ISI Index refereed. (http://www.revmaterialeplastice.ro/ , Google Scholar, http://info.scopus.com/detail/what/ , cotată ISI Thomson - Web of Science) Accession Number: WOS: 000313149100010; 2021 Impact Factor = 0,782	0.982		

		P1.3	12.555		
	n>=4				
1	Denes T.O., Istoan R., Tamas-Gavrea D.R., Manea D.L., Hegyi A., Popa F., Vasile O. , "Analysis of Sheep Wool-Based Composites for Building Insulation", POLYMERS, Vol. 14, Issue 10, 2022, Article Number 2109, DOI: 10.3390/polym14102109, eISSN 2073-4360, WOS: 000801570300001, 2021 Impact Factor = 4,967		2.2144		
2	Tamas-Gavrea D.R., Istoan R., Tiuc A.E., Denes T.O., Vasile O. , Constantinescu H., "Development of New Composite Products Based on Flax Fibres", COATINGS, Vol. 11, Issue 5, DOI: 10.3390/coatings11050551, 2021, eISSN 2079-6412, Article Number 551, WOS: 000653733600001, 2021 Impact Factor = 3,236		2.0616		
3	Nitu S.A., Sporea N., Iatan R., Durbaca I., Vasile O. , Ciocoru G.C., "Research on Obtaining Biocomposite Structures with Sound Absorbing Properties", Materiale Plastice, Vol. 59, Issue 1, pp. 131-137, 2022, DOI: 10.37358/MP.22.1.5566, ISSN 2668-8220, eISSN 0025-5289, WOS: 000783749900007, 2021 Impact Factor = 0,782		0.491		
4	Constantin M.A., Constantin L.A., Aradoaei S., Aradoaei M., Bratu M., Vasile O. , "Acoustic Properties of a New Composite Material Obtained from Feather Flour and Recycled Polypropylene", MATERIALE PLASTICE Vol. 58, Issue 4, pp. 84-93, 2021, DOI: 10.37358/MP.21.4.5534, ISSN 2668-8220, eISSN 0025-5289, WOS: 000744132400004, 2021 Impact Factor = 0,782		0.491		
5	Borlea S.I., Tiuc A.E., Nemes O., Vermesan H., Vasile O. , "Innovative Use of Sheep Wool for Obtaining Materials with Improved Sound-Absorbing Properties", MATERIALS, vol. 13, Issue 3, 2020, DOI: 10.3390/ma13030694, eISSN: 1996-1944, Article Number: 694. (cotata ISI Thomson - Web of Science) Accession Number: WOS:000515503100201; 2021 Impact Factor = 3,748		2.3688		
6	Tamas-Gavrea D.R., Denes T.O., Istoan R., Tiuc A.E., Manea D.L., Vasile O. , "A Novel Acoustic Sandwich Panel Based on Sheep Wool", COATINGS, vol. 10, Issue 2, 2020, DOI: 10.3390/coatings10020148, eISSN: 2079-6412, Article Number: 148. (cotata ISI Thomson - Web of Science) Accession Number: WOS:000522487300059; 2021 Impact Factor = 3,236		1.718		
7	Tiuc A.E., Nemes O., Vermesan H., Tamas-Gavrea D.R., Vasile O. , "New Sound Absorbing Materials Obtained from Waste Rigid Polyurethane Foam", MATERIALE PLASTICE, vol. 56, Issue 4, 2019, ISSN: 2668-8220, eISSN: 0025-5289, pp. 1021-1027. (cotata ISI Thomson - Web of Science) Accession Number: WOS:000509920700050; 2019 Impact Factor = 1,517		1.0302		
8	Gillich N., Tufis C., Vasile O. , Gillich G.R., "Statistical Method for Damage Severity and Frequency Drop Estimation for a Cracked Beam using Static Test Data", Romanian Journal of Acoustics and Vibration, vol. 16, issue 1, 2019, ISSN 1584-7284, pp. 47-51. (indexată ISI Thomson - Web of Science) Accession Number: WOS:000502625500006		0.15		
9	Tiuc A.E., Vasile O. , Vermesan H., Nemes O., Andrei P.M., "Sound Absorbing Insulating Composites Based on Polyurethane Foam and Waste Materials", MATERIALE PLASTICE, ISSN: 0025-5289, Vol. 55, Issue 3, pp. 419-422, 2018, WOS: 000452711500035, 2018 Impact Factor: 1.393		0.9558		
10	Tiuc A.E., Vasile O. , Vermesan H., Nemes O., Borlea S.I., "New Multilayered Composite for Sound Absorbing Applications", Romanian Journal of Acoustics and Vibration, vol. 15, issue 2, 2018, ISSN 1584-7284, pp. 115-121. (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000457418600006		0.12		
11	Minda A.A., Gillich G.R., Budai A.M., Vasile O. , "The Study of Vibration Transmission Using Virtual Instruments", Romanian Journal of Acoustics and Vibration, vol. 15, issue 2, 2018, ISSN 1584-7284, pp. 58-63. (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000457418600010		0.15		
12	Bratu M., Dumitrescu O., Vasile O. , Pascu L.F., Lehr C., "Physico-mecanical and structural characterization of some sound-absorbing oxide materials made of different solid wastes", Revista Română de Materiale -Romanian Journal of Materials, vol. 48, Issue 4, 2018, ISSN 1583-3186, pp. 467-475. (cotata ISI Thomson - Web of Science) WOS: 000456244700011; 2021 Impact Factor = 0,628		0.4968		
13	Vlase S., Itu C., Vasile O. , Nastac C., Stanciu M.D., Scutaru M.L., "Vibration Analysis of a Mechanical System Composed of Two Identical Parts", Romanian Journal of Acoustics and Vibration, vol. 15, issue 1, 2018, ISSN 1584-7284, pp. 58-63. (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000444766100010		0.1		
14	Iasnicu I., Tomescu G., Vasile O. , Filip V., Mihai S., "Analysis on the influence of the use of recovered textiles on the acoustic properties of composite materials", Industria textila, vol. 68, issue 6, pp. 439-445, 2017, ISSN: 1222-5347 (cotată ISI Thomson - Web of Science) Accession Number: WOS: 000422819200006; 2021 Impact Factor = 0,828		0.6168		
15	Tiuc A.E., Vasile O. , Vermesan H., Nemes O., "The Use of Mathematical Models in Determining Acoustic Absorption Coefficient of New Composite Porous Materials", Romanian Journal of Acoustics and Vibration, vol. 14, issue 2, 2017, ISSN 1584-7284, pp. 97-101. (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000424498300007		0.15		
16	Ghizdaveț Z., Ștefana B.M., Nastac D., Vasile O. , Bratu M., "Sound absorbing materials made by embedding crumb rubber waste in a concrete matrix", Construction and Building Materials, , DOI: 10.1016/j.conbuildmat.2016.07.145, ISSN: 0950-0618, 2016, Vol.: 124, pp. 755-763. (cotată ISI Thomson - Web of Science) Accession Number: WOS: 000385319300075; 2021 Impact Factor = 7,693		4.7358		

17	Hațiegan C., Pădureanu I., Jurcu M., Nedeloni M.D., Hamat C.O., Chioncel C.P., Trocaru S., Vasile O. , Bădescu O., Micliuc D., Nedeloni L., Băra A, Hațiegan L., "Vibration analysis of a hydro generator for different operating regimes", IOP Conference Series: Materials Science and Engineering, Volume 163, Issue 1, 6 January 2017, ISSN: 1757-8981, International Conference on Applied Sciences, ICAS 2016; Engineering Faculty of Hunedoara; Romania; 25-27 May 2016; Code 126195 (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000399755300030	0.0462		
18	Bratu M., Dumitrescu O., Vasile O. , Ropota I., Pascu L.F., "Research on attenuation of sound waves by using panels made of composite materials", Revista Romana de Materiale-Romanian Journal of Materials, 2016, Volume: 46, Issue: 1, Pages: 121-126, ISSN: 1583-3186. (cotată Thomson - Web of Science), Accession Number: WOS: 000372938400018; 2021 Impact Factor = 0,628	0.4968		
19	Nedeloni M.D., Hațiegan C., Vasile O. , Hamat C.O., Fanica C., Gillich N., "Numerical Study Regarding the Influence of Material Components for a Booster - Ultrasonic Horn Assembly on the Natural Frequency", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, issue 2, 2015, pp. 155-160. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415190200009	0.1		
20	Hațiegan C., Gillich E.V., Vasile O. , Nedeloni M.D., Jurcu M., Maghetri P., "Finite Element Analysis of thin plates clamped on the rim of different geometric forms. Part II: The Absolute and Relative Variation of Natural Frequencies", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.1, 2015, pp. 81-86. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415189400015	0.1		
21	Negru I., Praisach Z.I., Gillich G.R., Vasile O. , "About the Neutral Axis Distortion due to Cracks and its Influence upon the Beams Natural Frequencies", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.1, 2015, pp. 35-38. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415189400007	0.15		
22	Hațiegan C., Gillich E.V., Vasile O. , Nedeloni M.D., Padureanu I., "Finite Element Analysis of thin plates clamped on the rim of different geometric forms. Part I: Simulating the Vibration Mode Shapes and Natural Frequencies", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.1, 2015, pp. 69-74. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415189400013	0.12		
23	Tiuc A.E., Vermeșan H., Gabor I., Vasile O. , "Improved Sound Absorption Properties of Polyurethane Foam Mixed with Textile Waste", Sustainable Solutions for Energy and Environment, EENVIRO - YRC 2015; Bucharest; Romania; 18 November 2015 through 20 November 2015; Code 123288, Energy Procedia, Volume 85, 2016, Pages 559-565. (indexată ISI Thomson - Web of Science), Accession Number: WOS: 000377911100068	0.15		
24	Predoi M.V., Petre C.C., Boiangiu M., Craițeanu A., Vasile O. , "Determination of modal attenuation due to external and internal fluids in pipes", IOP Conference Series: Materials Science and Engineering, Volume 95, Issue 1, 3 November 2015, Article number 012040, 3rd Modern Technologies in Industrial Engineering, ModTech 2015; Mamaia; Romania; 17 June 2015 through 20 June 2015; Code 119006, ISSN: 1757-8981, DOI: 10.1088/1757-899X/95/1/012040. (Indexată ISI Thomson - Web of Science), Accession Number: WOS: 000365128900040	0.12		
25	Predoi M.V., Petre C.C., Vasile O. , Boiangiu M., High frequency longitudinal damped vibrations of a cylindrical ultrasonic transducer, Shock and Vibration, Volume 2014, Article ID 105971, 8 pages, ISSN 1070-9622, (ISI Index refereed, Thomson - Web of Science, SCOPUS, Google Scholar, http://dx.doi.org/10.1155/2014/105971) Accession Number: WOS: 000338557800001; 2021 Impact Factor = 1,616	1.362		
26	Gillich G.R., Praisach Z.I., Abdel Wahab M., Vasile O. , Localization of transversal cracks in sandwich beams and evaluation of their severity, Shock and Vibration, Volume 2014, Article ID 607125, 10 pages, ISSN 1070-9622, (ISI Index refereed, http://info.scopus.com/detail/what/ , Thomson - Web of Science, Google Scholar, http://dx.doi.org/10.1155/2014/607125) Accession Number: WOS: 000337389500001; 2021 Impact Factor = 1,616	1.362		
27	Pop N., Hațiegan C., Vlase T., Răduca M., Gillich G.-R., Vasile O. , Răduca E., Fermionic oscillators and their connection with the isokinetic temperature, Romanian Reports in Physics, vol. 66 (3), 2014, ISSN 1221-1451, eISSN 1841-8759 (http://www.rpp.infim.ro/inpress.html , Google Scholar, Thomson - Web of Science) Accession Number: WOS: 000342035600012; 2021 Impact Factor = 2,085	0.9793		
28	Bratu M., Dumitrescu O., Vasile O. , Constantin A.C., Muntean M., Research on the sound-absorbing properties of new composite materials with some wastes, Revista Română de Materiale - Romanian Journal of Materials, 2014, vol. 44 (2), pp. 160-168, ISSN 1583-3186 (http://info.scopus.com/detail/what/ , Google Scholar, cotată ISI Thomson - Web of Science) Accession Number: WOS: 000337935700009; 2021 Impact Factor = 0,628	0.4968		
29	Curtu I., Stanciu M.D., Cosoreanu C., Vasile O. , "Assessment of Acoustic Properties of Biodegradable Composite Materials with Textile Inserts", Revista de Materiale Plastice, Vol. 49, Issue 1, 2012, pp. 68-72, ISSN 0025-5289, ISI Index refereed. (ISI Index refereed, Google Scholar, http://www.revmaterialeplastice.ro/ , cotată ISI Thomson - Web of Science) Accession Number: WOS: 000303486000013; 2021 Impact Factor = 0,782	0.7365		

30	Bratu M., Ropota I., Vasile O. , Dumitrescu O., Muntean M., "Sound-absorbing properties of composite materials reinforced with various wastes", Environmental Engineering and Management Journal, August 2011, Vol. 10, No. 8, pp. 1047-1051, ISSN 1582-9596. (ISI Index refereed, http://omicron.ch.tuiasi.ro/EEMJ/ , Google Scholar, http://info.scopus.com/detail/what/ , SCOPUS, Thomson - Web of Science). Accession Number: WOS: 000296758300009; 2011 Impact Factor = 1,004	0.7224		
31	Bratu M., Ropota I., Vasile O. , Dumitrescu O., Muntean M., Research on the absorbing properties of some new types of composite materials, Revista Română de Materiale - Romanian Journal of Materials, 2011, vol. 41 (2), pp. 147-154, ISSN 1583-3186 (ISI Index refereed, SCOPUS, http://info.scopus.com/detail/what/ , Thomson - Web of Science) Accession Number: WOS: 000291847700008; 2021 Impact Factor = 0,628	0.4968		
		P1.4	25.289	
		P1=P1.1+P1.2+P1.3+P1.4	43.096	Obligatoriu 6
	A.2.2. Articole si publicatii stiintifice BDI [4] neincluse la A2.1			
	Autor corespondent/prim autor			
1	Vasile O. , "Experimental evaluation of the damping variation of an elastomeric device harmonically excited", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013), Applied Mechanics and Materials, Vol. 430, 2013, pp. 329-334, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, SCOPUS , http://info.scopus.com/detail/what/ , indexată ISI Thomson - Web of Science) DOI: 10.4028/www.scientific.net/AMM.430.329; Accession Number: WOS: 000335880800053	1		
2	Vasile O. , "Dynamic behaviour analysis of Machines in transient regime on torsional vibration stresses", RJA V, vol. 10, issue 2, 2013, pp. 129-134, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/)	1		
3	Vasile O. , Enescu N., The acoustic multi-chamber muffler performances, Scientific Bulletin., Series D – Mechanical Engineering, vol. 71, Issue 3/2009, University POLITEHNICA of Bucharest, pp. 63-74, ISSN 1454-2358. (CNCSIS B+ / BDI: Ulrichs International Periodicals Directory, Inspec, Metadex, Elsevier Sciencess Bibliographic Databases, Engineering Village, Cambridge Scientific Abstracts, Compendex, SCOPUS , http://info.scopus.com/detail/what/)	1		
4	kinematic displacements", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013), Applied Mechanics and Materials, Vol. 430, 2013, pp. 323-328, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, http://info.scopus.com/detail/what/ , SCOPUS , Thomson - Web of Science) DOI: 10.4028/www.scientific.net/AMM.430.323; Accession Number: WOS: 000335880800052	1		
5	Vasile O. , Tonciu O., "Static and dynamic tests for determining the characteristic performance of mechanical splices in reinforced concrete", 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018, Pages 97-98, 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018; Sinaia; Romania; 25 September 2018 through 28 September 2018; Code 142086 (BDI: Google Scholar, SCOPUS)	1		
6	Vasile O. , "Theoretical and experimental analysis of acoustic performances on the multichamber muffler", 21st International Congress on Sound and Vibration (ICSV21), Beijing, China, 13-17 July 2014, Vol. 3, pp. 2238-2245, ISBN: 978-1-63439-238-9. (BDI: Google Scholar, SCOPUS)	1		
7	Vasile O. , "Shock evaluation on viaducts for heavy vehicles crossing over obstacles", 20th International Congress on Sound and Vibration 2013, ICSV 2013, Volume 1, 2013, Pages 576-581, ISBN 978-1-62993-150-0, ISSN 2329-3675, 20th International Congress on Sound and Vibration 2013, ICSV 2013; Bangkok; Thailand; 7 July 2013 through 11 July 2013; Code 103420. (BDI: Google Scholar, SCOPUS)	1		
8	Vasile O. , Gillich N., Laurentiu N., "Finite element analysis for reactive and dissipative rectangular muffler", Recent Advances in Signal Processing, Computational Geometry and Systems Theory - ISCGAV'11, ISTASC'11, 2011, Pages 251-255, 11th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision, ISCGAV'11, 11th WSEAS International Conference on Systems Theory and Scientific Computation, ISTASC'11; Florence; Italy; 23 August 2011 through 25 August 2011; Code 87580, ISBN 978-1-61804-027-5. (BDI: Google Scholar, SCOPUS , http://info.scopus.com/detail/what/)	1		
9	Vasile O. , Kolumban, V., Reactive Silencer Modeling by Transfer Matrix Method and Experimental Study, Proceedings of the 9th WSEAS International Conference on ACOUSTIC&MUSIC: THEORY & APPLICATIONS (AMTA '08), Bucharest, Romania, June 24-26, 2008, pp. 94-99, ISBN: 978-960-6766-74-9, ISSN 1790-5095 (BDI: Google Scholar, indexată ISI Thomson - Web of Science). Accession Number: WOS: 000258073500021	1		
10	Vasile O. , Prediction of Noise Reduction in Industrial Installations Using a Silencer, International Conference on Engineering Mechanics, Structures, Engineering Geology, International Conference on Geography and Geology - Proceedings 2010, Pages 231-234, 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology, EMESEG'10, International Conference on Geography and Geology 2010, WORLDGEO'10; Corfu Island; Greece; 22 July 2010 through 24 July 2010; Code 85024 (BDI: Google Scholar, SCOPUS , indexată ISI Thomson - Web of Science), Accession Number: WOS: 000288686900044	1		
		N3.1	10	Obligatoriu 5
	Co-autor			

1	Tufisi C., Gillich G.R., Vasile O. , Korca Z.I., Hamat C.O., Identification of Delamination in Multilayered Composites, IOP Conference Series: Materials Science and Engineering Volume 416, Issue 1, 26 October 2018, Article number 012045, 7th International Conference on Advanced Materials and Structures, AMS 2018; Timisoara; Romania; 28 March 2018 through 31 March 2018; Code 141814 (SCOPUS)	1		
2	Barboni Hatiegan L., Hatiegan C., Gillich G.R., Hamat C.O., Vasile O. , Stroia M.D., Natural frequencies of thin rectangular plates clamped on contour using the Finite Element Method, IOP Conference Series: Materials Science and Engineering Volume 294, Issue 1, 12 January 2018, Article number 012033 International Conference on Applied Sciences 2017, ICAS 2017; Engineering Faculty of Hunedoara Hunedoara; Romania; 10	1		
3	Bratu P., Vasile O. , Popa S., Evaluation of elastomeric structural bearings performance based on natural scale tests, 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018, Pages 189-190 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018; Sinaia; Romania; 25 September 2018 through 28 September 2018; Code 142086; (SCOPUS)	1		
4	Bratu P., Vasile O., Zaharia C., Experimental studies of a bridge made from reinforced concrete beams - Bridge of Transilvania highway, 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018, Pages 187-188 35th Danubia Adria Symposium on Advances in Experimental Mechanics 2018; Sinaia; Romania; 25 September 2018 through 28 September 2018; Code 142086; (SCOPUS)	1		
5	Barboni Hatiegan L., Hatiegan C., Gillich G.R., Hamat C.O., Vasile O. , Stroia M.D., Natural frequencies of thin rectangular plates clamped on contour using the Finite Element Method, IOP Conference Series: - Materials Science and Engineering, Volume 294, Issue 1, 12 January 2018, Article number 012033, ISSN 1757-8981, DOI: 10.1088/1757-899X/294/1/012033 (SCOPUS)	1		
6	Scientific Bulletin, Series D: Mechanical Engineering, ISSN: 1454-2358, Vol. 79, Issue 1, 2017, pp. 31-42 (SCOPUS , EBSCO, Google Scholar)	1		
7	Iasnicu I., Vasile O. , Iatan R., "The analysis of sound absorbing performances for composite plates containing recycled textile wastes", UPB Scientific Bulletin, Series D: Mechanical Engineering, ISSN 1454-2358, vol. 78, issue 1, 2016, pp. 213-220 (SCOPUS , EBSCO, Google Scholar).	1		
8	Predoi M.V., Soare M., Vasile O. , Boiangiu M., "Ultrasonic guided waves inspection of pipes from one end to the first bent", ECCOMAS Congress 2016 - Proceedings of the 7th European Congress on Computational Methods in Applied Sciences and Engineering, Vol. 4, 2016, pp. 6688-6698, ISBN: 978-618828440-1. (SCOPUS)	1		
9	Dragomir M., Vasile O. , "Theoretical and experimental analysis for determining the eigenfrequencies of mechanical system with three masses", U.P.B. Scientific Bulletin, Series D, ISSN 1454-2358, Vol. 77, Issue 4, 2015, pp. 15-26. (SCOPUS , Google Scholar)	1		
10	Tiuc A.E., Vasile O. , Gabor T., "Determination of Antivibrational and Acoustical Properties of Some Materials Made From Recycled Rubber Particles and Sawdust", Romanian Journal of Acoustics and Vibration, Vol. 11, Issue 1, 2014, pp. 47-52, ISSN 1584-7284. (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, EBSCO, SCOPUS : http://info.scopus.com/detail/what/)	1		
11	Predoi M.V., Petre C.C., Vasile O. , Craifaleanu A., Boiangiu M., Marinescu S., "Tubewave - Interactive Software Dedicated to Guided Waves in Tubes", Romanian Journal of Acoustics and Vibration, Vol. 11, Issue 2, 2014, pp. 94-98, ISSN 1584-7284. (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, EBSCO, SCOPUS : http://info.scopus.com/detail/what/)	1		
12	Tiuc A.E., Vasile O. , Usca A.D., Gabor T., Vermesan H., "The Analysis of Factors That Influence the Sound Absorption Coefficient of Porous Materials", Romanian Journal of Acoustics and Vibration, Vol. 11, Issue 2, 2014, pp. 105-108, ISSN 1584-7284. (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, EBSCO, SCOPUS : http://info.scopus.com/detail/what/)	1		
13	Bratu P., Alexandru C., Vasile O. , "The evaluation of the isolation degree of buildings supported on elastomeric devices at seismic shocks", 21st International Congress on Sound and Vibration (ICSV21), Beijing, China, 13-17 July 2014, Vol. 1, pp. 608-615, ISBN: 978-1-63439-238-9. (BDI: Google Scholar, SCOPUS)	1		
14	Tufoi, M., Hatiegan, C., Vasile O. , Gillich, G.-R., "Dynamic analysis of thin plates with defects by experimental and FEM methods", RJAV, vol. 10, issue 2, 2013, pp. 83-88, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/).	1		
15	Praisach Z.I., Gillich G.R., Vasile O. , Birdeanu D.E., Protocsil C., "Assessment of damages in sandwich panels based on the damage location indexes", RJAV, vol. 10, issue 1, 2013, pp. 9-14, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/)	1		
16	Predoi M.V., Vasile O. , Petre C.C., "Experimental analysis on the influence of supports in performing pipes inspection using longitudinal guided waves", RJAV, vol. 10, issue 1, 2013, pp. 25-28, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/).	1		
17	Tiuc A.E., Rusu T., Vasile O. , "The influence of perforations on the surface of a sound absorbing material on the sound absorption coefficient", Romanian Journal of Acoustics and Vibration, vol. 10, issue 1, 2013, pp. 59-62, ISSN 1584-7284. (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/)	1		
18	20th International Congress on Sound and Vibration 2013, ICSV 2013, Volume 2, 2013, Pages 1340-1345, 20th International Congress on Sound and Vibration 2013, ICSV 2013; Bangkok; Thailand; 7 July 2013 through 11 July 2013; Code 103420, ISBN 978-1-62993-150-0, ISSN 2329-3675. (BDI: Google Scholar, SCOPUS)	1		

19	Borlea A., Rusu T., Vasile O. , Gheorghe A., "Determination of antivibrational properties of some materials made from wastes", Acta Tehnica Napocensis - Series: Applied Mathematics and Mechanics, No. 55, Vol. II, 2012, pp. 373-378, ISSN 1221-5872, (CNCSIS B+/ BDI: IndexCopernicus, SCOPUS)	1		
20	Borlea A., Rusu T., Vasile O. , "Investigation Composite Materials for its Sound Absorption Properties", RJAV, vol. 9 (2), 2012, pp.123-126, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/).	1		
21	Bratu P., Vasile O. , "Assessment of Dissipated Energy to Harmonic Cycles of Displacement for Visco-Elastic Elastomeric Anti-Seismic Insulators", RJAV, vol. 9 (2), 2012, pp. 83-89, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/).	1		
22	Bratu P., Vasile O. , "Modal Analysis of the Viaducts Supported on the Elastomeric Insulators within the Bechtel Constructive Solution for the Transilvania Highway", RJAV, vol. 9 (2), 2012, pp.77-82, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO,	1		
23	Predoi M.V., Vasile O. , Petre C.C., "Torsional Elastic Waves in Tubes. Improved Dispersion Curves", RJAV, vol. 9 (1), 2012, pp.9-14, ISSN 1584-7284 (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, Zentralblatt MATH, EBSCO, ELSEVIER, SCOPUS : http://info.scopus.com/detail/what/).	1		
24	Iavornic C., Praisach Z.I., Vasile O. , Gillich G.R., Iancu V., "Study of stress and deformation in elastomeric isolation systems using the finite element method", Proceedings of the 11th WSEAS international conference on Signal processing, computational geometry and artificial vision, and Proceedings of the 11th WSEAS international conference on Systems theory and scientific computation, pp. 239-244, Florence, Italy, August 23-25, 2011, ISBN 978-1-61804-027-5. (BDI: Google Scholar, SCOPUS , http://info.scopus.com/detail/what/)	1		
25	Bugaru M., Vasile O. , Transfer Matrix Method For a Single-Chamber Mufflers, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 47-50, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: Google Scholar, SCOPUS , indexată ISI Thomson - Web of Science). Accession Number: WOS:000248336800009	1		
26	Bugaru M., Vasile O. , Transfer Matrix Method For a Dual-Chamber Mufflers, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS (MATH '07), 22-24 March, 2007, Dallas, Texas, USA, pp. 47-50, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: Google Scholar, SCOPUS).	1		
27	Bugaru M., Vasile O. , The computation of muffler transmission loss by transfer matrix method, WSEAS Transactions on Mathematics, Volume 6, Issue 7, July 2007, Pages 763-770 (BDI: SCOPUS , http://info.scopus.com/detail/what/)	1		
28	Bugaru M., Vasile O. , Non-linear Dynamic Behavior of Thin Rectangular Plates Parametrically Excited Using the Asymptotic Method, Part 1: Computation of the Amplitude, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 210-214, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: SCOPUS , http://info.scopus.com/detail/what/)	1		
29	Bugaru M., Vasile O. , Non-linear Dynamic Behavior of Thin Rectangular Plates Parametrically Excited Using the Asymptotic Method, Part 2: Computation of the Phase Angle, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 260-264, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: SCOPUS , http://info.scopus.com/detail/what/)	1		
30	Bugaru M., Enescu N., Stănilă R., Vasile O. , Reflection and absorption properties of the acoustical barriers of finite length, 12th International Congress on Sound and Vibration 2005, ICSV 2005, Volume 3, 2005, Pages 2143-2149, 12th International Congress on Sound and Vibration 2005, ICSV 2005; Lisbon; Portugal; 11 July 2005 through 14 July 2005; Code 98412 (BDI: Google Scholar, SCOPUS , http://info.scopus.com/detail/what/)	1		
		N3.2	30	
		N3=N3.1+N3.2	40	Obligatoriu 10
A.2.3. Brevete de inventii indexate [5]				
Internationale indexate in Web of Science - Derwent Innovation				
1	Istoian K., Tamas-Gavrea D.R., Manea D.L., Vasile O. , Sandwich panel used in field of civil constructions, has core that is made of specific range of hemp fibers, specific range of mineral binder and specific range of water such that core is externally confined by specific thick rigid faces, Nr. aprobat RO133611-A0 ; RO133611-A3 din 15.04.2019 (indexat Web of Science - Derwent Innovation) Derwent Primary Accession Number: 2019-83939Y International Patent Classification: B32B-013/14; E04B-001/14; E04B-001/74		1.65	
2	Bratu P., Tabrea A., Fiat D., Vasile O. , Dima C., modular sound-insulating and sound-absorbing composite panel with multi-frequency selectivity for absorption of road traffic noise, has panel portion that is made of recycled rubber and polyurethane adhesive resin in matrix, Nr. aprobat RO133611-A0 ; RO133611-A3 din 15.04.2019 (indexat Web of Science - Derwent Innovation) Derwent Primary Accession Number: 2019-45986R International Patent Classification: E01C-005/22		1.32	
3	Dragan N., Bratu P.P., Vasile O. , Composite sound insulating and sound absorbing structure / Structura compozită fonoizolatoare și fonoabsorbantă, înregistrare OSIM nr. A/008800 din 29.10.2009; Nr. aprobat. RO126197-A2 din 29.04.2011. (indexat Web of Science - Derwent Innovation) Derwent Primary Accession Number: 2011-E84412 [41] International Patent Classification: B32B-005/22		2.2	

4	Predoi M.V., Petre C.C., Craifaleanu A., Boiangiu M., Vasile O. , Method for adapting ultrasonic transducers for pipe inspection, has inspecting pipe by means of wedge which allows mono-element longitudinal-wave transducer, Nr. aprobat RO132449-A2 din 30.03.2018 (indexat Web of Science - Derwent Innovation) Derwent Primary Accession Number: 2018-247014 International Patent Classification: G01N-029/07	1.32			
		P2.1	6.49		
	Nationale indexate OSIM				
1					
		P2.2	0		
		P2=P2.1+P2.2	6.49		
		P1+P2	49.586	Obligatoriu	10
	A.2.4. Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare)				
	Coordonator/prim autor				
1					
		N4.1	0		
	Co-autor				
1					
		N4.2	0		
	A.2.5. Monografii/carti de specialitate, format tiparit/electronic (min. 100 pag.)				
	Coordonator/prim autor				
1	Vasile, O. , Atenuatoare de zgomot: modelare, analiza, concepte inovatoare, Editura Impuls (recunoscută CNCISIS), București, 2014, ISBN 978-973-8132-82-5 (264 pag.). Dovadă Biblioteca Națională: https://aleph.bibnat.ro/F/96S84U18E1P9PUUJAARGD129IFABLUFLD29PTYDCJ12R6SIELL-46468?func=full-set-set&set_number=018038&set_entry=000002&format=999 (format tiparit)	1			
		N4.3	1	Obligatoriu	1
	Co-autor				
1	Tiuc A.E., Vasile O. , Tâmaș-Gavrea D.R., "Combaterea zgomotului", Editura:RISOPRINI, Cluj-Napoca, 2019, ISBN: 978-973-53-2357-8 (169 pag.). Dovadă Biblioteca Națională: https://aleph.bibnat.ro/F/96S84U18E1P9PUUJAARGD129IFABLUFLD29PTYDCJ12R6SIELL-48382?func=full-set-set&set_number=018068&set_entry=000002&format=999 (format tiparit)	1			
2	Dragomir M., Vasile O. , Studiul vibro-acustic al mașinilor de curățit și sortat semințe, Manuscris în format electronic, 120 pg., Ediția 2022 (în curs de publicare)	0			
3	Ovanisof A., Vasile O. , Modelarea rezonatorilor acustici, Manuscris în format electronic, 140 pg., Ediția 2022 (în curs de publicare)	0			
		N4.4	1		
		N4=N4.1+N4.2+N4.3+N4.4	2	Obligatoriu	2
	3. Recunoasterea si impactul activitatii - RIA (A3)				
	A.3.1. Atragere resurse financiare prin granturi/proiecte/contracte terti				
	Director sau responsabil partener la grant/proiect castigat prin competitie nationala sau internationala				
1	Programul INOVARE, Modulul I – Dezvoltare de produs – sisteme, Tipul proiectului: CDI-orientate, contractul nr. 187/19.08.2008, 2008-2011, Sisteme de protecție în concepție modulară din materiale compozite fonoabsorbante și fonoizolante pentru mașini de construcții, Autoritatea contractantă: Agenția managerială de cercetare științifică, inovare și transfer tehnologic AMCSIT – Politehnica; CO-ICECON, Vasile O. (Responsabil proiect) , (Valoare proiect: 1033500 lei=252073 euro; curs 1 EURO=4,1 lei)	252.07			
2	Grant CNCISIS, tip TD (tineri doctoranzi), cod CNCISIS 374, contractul nr. 18GR/2007, nr.intern UPB IS-25-07-02, Reducerea zgomotului cu ajutorul atenuatoarelor de zgomot multietajate moderne; Vasile O. (Director proiect) , (Valoare proiect: 50000 lei=15151 euro; curs 1 EURO=3,3 lei)	15.151			
3	CEEX, Modul I, contractul nr. 110CEEX-II-03/15.09.2006, 2006-2008, Sistem de monitorizare în timp real a vibrațiilor și zgomotului surselor industriale cu impact asupra colectivităților umane și a clădirilor din mediul urban – SMONTREVIZ, Autoritatea contractantă: Centrul Național de Management Programe, Programul "Cercetare de excelență", CO-ICECON, Vasile O. (Responsabil proiect) , (Valoare proiect: 1038000 lei=300869 euro; curs 1 EURO=3,45 lei)	300.87			
4	Programul nr. 87/2011, Contract 5247/22.11.2012, 2012-2013, pentru elaborarea reglementării tehnice. Reglementare tehnică – specificație tehnică, "Titlul lucrării: Specificație tehnică privind cerințele tehnice specifice pentru echiparea căilor de trafic rutier cu dispozitive de reducere a zgomotului". Beneficiar: Ministerul Dezvoltării Regionale și Turismului; CO-ICECON, Vasile O. (Șef de proiect) , (Valoare proiect: 132114 lei=29688 euro; curs 1 EURO=4,45 lei);	29.688			



5	Contract terți U.P.B., nr. 106/15.05.2015, "Analiza expunerii umane la vibrații pentru un post de lucru", beneficiar: Tioma Consulting SRL-D; Vasile O. (Responsabil contract) , (Valoare contract: 1488 lei=334,3 euro; curs 1 EURO=4,45 lei)	0.334		
		S1	598.12	
	Membru în echipa la grant/proiect castigat prin competiție națională sau internațională, proiecte/contracte terți			
1	PN-II-ID-PCE-2011-3-0512, 2011-2014, Advanced ultrasonic monitoring system for the structural integrity of pipes, Predoi M.V.(Director proiect UPB), Vasile O. (membru) , ș.a., Universitatea Politehnică din București, Beneficiar PNCDI - UEFISCU. (Suma repartizată pentru membru Vasile O.: 15% *1289125 lei=193368 lei =44452 Euro; curs 1 EURO=4,35 lei)	44.452		
2	PNCDI II - PROGRAM 4, Contract nr. 82-089 din 01.10.2008, 2008-2011, nr. intern UPB IS-25-08-05, Sistem integrat de caracterizare, monitorizare și antrenare asistată a locomotivii umane (CAMONAL), Beneficiar M Ed. C. - CNMP; parteneri: CO - Institutul Național de Cercetări pentru Sport, P1 - Spitalul Universitar de Urgență Elias, P2 - Universitatea "Politehnică" din București - Cat. Mecanica, P3 - SC Online Solutions Media SRL, P4 - Advanced Studies and Research Center (ASRC); Alecu A. (responsabil proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=350000 lei (Suma repartizată pentru membru Vasile O.: 83000 lei=2024 Euro; curs 1 EURO = 4,10 lei)	2.024		
3	PNCDI II - PROGRAM 4, Contract nr. 82-073 din 01.10.2008, 2008-2011, nr. intern UPB IS-25-08-06, Evaluarea Predictivă a comportării structurilor unei aeronave pentru securitatea echipajului și a pasagerilor (EVAPRED), Beneficiar M Ed. C. - CNMP, parteneri: CO - Institutul Național de Cercetări Aerospațiale Elie Carafoli (INCAS), P1 - Universitatea "Politehnică" din București - Cat. Mecanică, P2 - Centrul de Cercetări și Încercări în Zbor Craiova, P3 - SC INAS SA. Craiova; Alecu A. (responsabil proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=150000 lei (Suma repartizată pentru membru Vasile O.: 4600 lei=1122 Euro; curs 1 EURO = 4,10 lei)	1.122		
4	PNCDI II - PROGRAM 4, Contract nr. 3051/2007, 2007-2010, nr. intern UPB 25-07-05, Sistem inteligent pentru monitorizarea și controlul activ al structurilor (SIMOCA); parteneri: CO - Universitatea "Politehnică" din București, P1 - Institutul Național de Cercetări Aerospațiale Elie Carafoli, P2 - Institutul de Mecanica Solidelor al Academiei Române, P3 - Agenția Spațială Română - ROSA, P4 - Advanced Studies and Research Center; Stroe I.. (Director proiect UPB), Vasile O. (membru) , ș.a., (Suma repartizată pentru membru Vasile O.: 2616 lei=758 Euro; curs 1 EURO=3,45 lei)	0.758		
5	CEEX, Modul I, A6/61/2006, 2006-2008, nr. int.UPB 31-06-05, Cercetări avansate privind reducerea nivelului poluării sonore, în zonele locuite, generată de traficul feroviar și rutier, prin amplasarea de bariere acustice; parteneri: CO - UPB, P1 - ATM, P2 - INCERC, P3 - S.C. Afico S.A.; Bugaru M. (Director proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=800000 lei (Suma repartizată pentru membru Vasile O.: 25%*800000=200000 lei=57971 Euro; curs 1 EURO=3,45 lei)	57.971		
6	CEEX, Modul I, 118/2006, A5187, 2006-2008, nr. int.UPB 31-06-03, Metoda inovativă de investigație noninvasivă a alterărilor morfofuncționale în patologia articulară pe baza spectrelor vibroacustice și termice; parteneri: CO - ATM, P1 - UPB, P2 - Universitatea Carol Davila, P3 - Spitalul Militar Central Buc; Bugaru M. (Responsabil proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=270000 lei (Suma repartizată pentru membru Vasile O.: 37% * 270000=100000 lei=28985 Euro; curs 1 EURO=3,45 lei)	28.985		
7	CEEX, Modul I, X2C32/2006, 2006-2008, nr.int. UPB 31-10-06, Sistem mecanic pentru cuplarea surselor de putere termică și electrică, destinat automobilelor ecologice cu propulsie hibridă, CO: Univ. Pitesti, P1: UPB, P2: Univ. Din Brașov; Bugaru M. (responsabil proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=145000 lei (Suma repartizată pentru membru Vasile O.: 31% * 145000=45000 lei=13043 Euro; curs 1 EURO=3,45 lei)	13.043		
8	CEEX, Modul IV, Tip de proiect P-CONFORM, Contract nr. 243/10.08.2006, 2006-2008, Laborator pentru determinarea parametrilor de zgomot în mediul urban, Autoritatea contractantă: Asociația de Acreditare din România - RENAR; CO - ICECON, Kolumban V. (Director proiect), Vasile O. (membru) , ș.a., (Suma repartizată pentru membru Vasile O.: 50000 lei=14492 Euro; curs 1 EURO=3,45 lei)	14.492		
9	CEEX, Modul I, Tipul proiectului P-CD, Contract nr. 219/20.07.2006, 2006-2008, Sistem inovativ de panouri sa dwish-compozit tip Mogapan cu miez fagure pentru preluarea și absorbția zgomotului din traficul urban și extraurban - SIPCAS, Autoritatea contractantă: Agenția managerială de cercetare științifică, inovare și transfer tehnologic - Politehnică din București; CO-ICECON, Moga V. (Director proiect), Vasile O. (membru) , ș.a., (Suma repartizată pentru membru Vasile O.: 130000 lei=37681 Euro; curs 1 EURO=3,45 lei)	37.681		
10	CEEX, Modul I, Tipul proiectului P-CD, Contract nr. 211/20.07.2006, 2006-2008, Cercetări privind realizarea din materiale compozite a elementelor modulare în scopul creșterii rezistenței la șocuri a structurilor de protecție mecanică destinate parapetilor pentru drumuri (ELMOSTPRO), Autoritatea contractantă: Agenția managerială de cercetare științifică, inovare și transfer tehnologic - Politehnică din București; CO-ICECON, Jiga G.G. (Director proiect), Vasile O. (membru) , ș.a., (Suma repartizată pentru membru Vasile O.: 120000 lei=34782 Euro; curs 1 EURO=3,45 lei)	34.782		
11	CEEX, Modul IV, Contract nr. 33/07.09.2005, 2005-2007, Metoda și sistem pentru evaluarea, monitorizarea și reducerea nivelului de vibrații transmise factorului uman, Autoritatea contractantă: Agenția managerială de cercetare științifică, inovare și transfer tehnologic - Politehnică din București; CO-ICECON, Mihalcea A. (Director proiect), Vasile O. (membru) , ș.a., (Suma repartizată pentru membru Vasile O.: 60000 lei=18182 Euro; curs 1 EURO=3,3 lei)	18.182		

12	Proiect internațional: NATO-A/146 / 30.11.05 /S12 / 09.11.05, Nr. 48/2005, nr. int.UPB 31-05-03, 2005-2006, Metodă, sisteme și echipamente pe bază de infrasonete pentru combaterea acțiunilor teroriste; parteneri: CO - ATM, P1 - UPB, P2 – ACTTM; Bugaru M. (responsabil proiect UPB), Vasile O. (membru) , ș.a., Valoare finanțare UPB=25500 EURO (Suma repartizată pentru membru Vasile O.: 39% * 25500=10000 Euro)	10		
		S2	263.49	
		S1+S2	861.61	Obligatoriu 50
	A.3.2. Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat			
	Congrese/conferinte/workshopuri internationale, profesor invitat la universitati/institute din strainatate			
1	Vasile O. , Bugaru M., Analyzes on the influence of the thickness of a multilayer panel with a perforated sheet metal face, Proceedings of the 10th International Conference from “Scientific Computing to Computational Engineering”, 10th IC-SCCE, Athens, 6-9 July, 2022, ©LFME, ISSN 2241-8865, ISBN 978-618-84028-4-3, pp. 9-16	1		
2	Vasile O. , Bugaru M., Approaches to Velocity-Dependent Viscous Dampers, Proceedings of the 10th International Conference from “Scientific Computing to Computational Engineering”, 10th IC-SCCE, Athens, 6-9 July, 2022, ©LFME, ISSN 2241-8865, ISBN 978-618-84028-4-3, pp. 23-30.	1		
3	Bugaru M., Vasile O. , Vasile A., Investigation of Nonlinear Dynamic Parametric Stability for Forced Bending Vibration of an Automotive Driveshaft using Asymptotic Method, Proceedings of the 10th International Conference from “Scientific Computing to Computational Engineering”, 10th IC-SCCE, Athens, 6-9 July, 2022, ©LFME, ISSN 2241-8865, ISBN 978-618-84028-4-3, pp. 104-117.	1		
4	Bugaru M., Vasile O. , Neagoe M., Optimization of a Specific Edge Diffraction for Industrial Areas using the MGPM, Proceedings of the 10th International Conference from “Scientific Computing to Computational Engineering”, 10th IC-SCCE, Athens, 6-9 July, 2022, ©LFME, ISSN 2241-8865, ISBN 978-618-84028-4-3, pp. 170-178.	1		
5	Neagoe M., Vasile O. , Bugaru M., Analysis of Noise Reduction and the Influence of Wave’s Diffraction Angle Using Noise Barriers, Proceedings of the 9th International Conference from “Experiments/Process/System Modeling/Simulation/Optimization”, 9th IC-EPSMSO, Athens, 7-10 July, 2021, ©LFME, ISSN 2241-9209, ISBN 978-618-84028-2-9, pp. 57-65	1		
6	Bugaru M., Neagoe M., Vasile O. , Recent Developments of Noise Attenuation using Acoustic Barriers for a Specific Edge Geometry, Proceedings of the 9th International Conference from “Experiments/Process/System Modeling/Simulation/Optimization”, 9th IC-EPSMSO, Athens, 7-10 July, 2021, ©LFME, ISSN 2241-9209, ISBN 978-618-84028-2-9, pp. 271-279.	1		
7	Vasile O. , Predoi M.V., Cristea L., “Active vibration control study of harmonic excitation”, ICEDyn 2017, International Conference on Structural Engineering Dynamics, Ericeira, Portugal, 3-5 July 2017, Proceedings, ISBN: 978-989-99424-4-8.	1		
8	Vasile O. , Predoi M.V., “Passive elastomeric systems analysis for imposed admissible insulation requirements”, ICEDyn 2017, International Conference on Structural Engineering Dynamics, Ericeira, Portugal, 3-5 July 2017, Proceedings, ISBN: 978-989-99424-4-8.	1		
9	Vasile O. , Expanding the active calculation concept in dynamic mode for controlled vibration generation systems, The 7th International Conference on Computational Mechanics and Virtual Engineering, COMEC 2017, Brasov, ROMANIA, 16-17 November 2017.	1		
10	Bratu P., Ghinea A., Vasile O. , Testing and optimizing the performance of elastomeric elements used to isolate or damping of the technological vibrations, The 7th International Conference on Computational Mechanics and Virtual Engineering, COMEC 2017, Brasov, ROMANIA, 16-17 November 2017	1		
11	Vasile O. , Active Vibration Control for Viscoelastic Damping Systems under the Action of Inertial Forces, 41th International Conference on Mechanics of Solids, Acoustics and Vibrations "Prof.P.P. Teodorescu", ICMSAV XLI, 26-27 octombrie 2017, Cluj-Napoca	1		
12	Vasile O. , Assessment of the sound insulation capacity of the BCA wall structures, The 15th National Symposium of Experimental Stress Analysis and Materials Testing, 19 – 21 October, 2017, Sibiu	1		
13	Bratu P., Vasile O. , Popa S.A., Parametric analysis of the bearing solutions with elastomeric seismic isolators for the Bechtel viaduct - Transilvania highway, The 15th National Symposium of Experimental Stress Analysis and Materials Testing, 19 – 21 October, 2017, Sibiu	1		
14	Vasile O. , Analysis of the minimal function method for controlling the damping of viscoelastic systems, THE ANNUAL SYMPOSIUM OF THE INSTITUTE OF SOLID MECHANICS - SISOM 2017 and Symposium of Acoustics, Bucharest, May 18-19, 2017	1		
15	Bratu M., Vasile O. , Bucur E., Danciulescu V., Petrescu M., "Correlations between noise level and mechanical vibrations emitted by vibroacoustic sources", INCD ECOIND – INTERNATIONAL SYMPOSIUM – SIMI 2016 “THE ENVIRONMENT AND INDUSTRY”, 2016, pp. 383-388.	1		
16	Vasile O. , "Evaluarea pierderii prin insertie si a pierderii prin transmisie la atenuatoarele de zgomot modulare", Workshop SRA , Bucuresti 13 mai 2016 “Materiale si produse inteligente pentru protectia la zgomot, vibratii si miscari seismice”	1		
17	Vasile O. , "Evaluarea performanțelor de izolare acustică la zgomot aerian pentru elemente de construcții", Workshop SRA , Bucuresti 13 mai 2016 “Materiale si produse inteligente pentru protectia la zgomot, vibratii si miscari seismice”	1		

18	Vasile O. , "A three-dimensional finite elements simulations for predicting the transmission loss in mufflers", Proceedings of the 22nd International Congress on Sound and Vibration, (ICSV 22), Florence, Italy, 12-16 July 2015, vol. 3, pp. 2556-2560, ISBN: 978-1-5108-0903-1.	1		
19	Iasnicu I., Vasile O. , Iatan R., "Sound absorption analysis for layered composite made from textile waste and cork", Proceedings of The annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, SISOM 2015, Bucharest 21-22 May, pp. 292-299	1		
20	Vasile O. , "Theoretical and experimental analysis of acoustic performances on the multichamber muffler", 21st International Congress on Sound and Vibration (ICSV21), Beijing, China, 13-17 July 2014, Vol. 3, pp. 2238-2245, ISBN: 978-1-63439-238-9.	1		
21	20th International Congress on Sound and Vibration 2013, ICSV 2013, Volume 2, 2013, Pages 1340-1345, 20th International Congress on Sound and Vibration 2013, ICSV 2013; Bangkok; Thailand; 7 July 2013 through 11 July 2013; Code 103420, ISBN 978-1-62993-150-0, ISSN 2329-3675. (BDI: Google Scholar, SCOPUS)	1		
22	Vasile O. , "Shock evaluation on viaducts for heavy vehicles crossing over obstacles", 20th International Congress on Sound and Vibration 2013, ICSV 2013, Volume 1, 2013, Pages 576-581, ISBN 978-1-62993-150-0, ISSN 2329-3675, 20th International Congress on Sound and Vibration 2013, ICSV 2013; Bangkok; Thailand; 7 July 2013 through 11 July 2013; Code 103420. (BDI: Google Scholar, SCOPUS)	1		
23	Vasile O. , "Experimental evaluation of the hysteretic damping of elastomeric systems at low-cyclic harmonic kinematic displacements", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013) - Timișoara, Applied Mechanics and Materials, Vol. 430, 2013, pp. 323-328, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, SCOPUS), (indexată ISI Thomson - Web of Science) DOI: 10.4028/www.scientific.net/AMM.430.323; Accession Number: WOS: 000335880800052	1		
24	Vasile O. , "Experimental evaluation of the damping variation of an elastomeric device harmonically excited", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013) - Timișoara, Applied Mechanics and Materials, Vol. 430, 2013, pp. 329-334, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, SCOPUS), (indexată ISI Thomson - Web of Science)	1		
25	Iuc A.E., Vermeșan H., Gabor I., Vasile O. , "Improved Sound Absorption Properties of Polyurethane Foam Mixed with Textile Waste", Sustainable Solutions for Energy and Environment, EENVIRO - YRC 2015; Bucharest; Romania; 18 November 2015 through 20 November 2015; Code 123288, Energy Procedia, Volume 85, 2016, Pages 559-565. (Thomson - Web of Science) WOS: 000377911100068	1		
26	Vasile O. , Prediction of noise reduction in industrial installations using a silencer, International Conference on Engineering Mechanics, Structures, Engineering Geology, International Conference on Geography and Geology - Proceedings 2010, Pages 231-234, 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology, EMESEG'10, International Conference on Geography and Geology 2010, WORLDGEO'10; Corfu Island; Greece; 22 July 2010 through 24 July 2010; Code 85024 (BDI: Google Scholar, SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS: 000288686900044	1		
27	Vasile O. , Kolumban, V., Reactive Silencer Modeling by Transfer Matrix Method and Experimental Study, Proceedings of the 9th WSEAS International Conference on ACOUSTIC&MUSIC: THEORY & APPLICATIONS (AMTA '08), Bucharest, Romania, June 24-26, 2008, pp. 94-99, ISBN: 978-960-6766-74-9, ISSN 1790-5095 (BDI: Google Scholar, indexată ISI Thomson - Web of Science). Accession Number: WOS: 000258073500021	1		
28	Bugaru M., Vasile O. , Transfer Matrix Method For a Single-Chamber Mufflers, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 47-50, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: Google Scholar, SCOPUS, indexată ISI Thomson - Web of Science). Accession Number: WOS:000248336800009	1		
29	Bugaru M., Vasile O. , Non-linear Dynamic Behavior of Thin Rectangular Plates Parametrically Excited Using the Asymptotic Method, Part 1: Computation of the Amplitude, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 210-214, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: SCOPUS, http://info.scopus.com/detail/what/)	1		
30	Bugaru M., Vasile O. , Non-linear Dynamic Behavior of Thin Rectangular Plates Parametrically Excited Using the Asymptotic Method, Part 2: Computation of the Phase Angle, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS, 22-24 March, 2007, Dallas, Texas, USA, pp. 260-264, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: SCOPUS, http://info.scopus.com/detail/what/)	1		
31	Bugaru M., Vasile O. , Transfer Matrix Method For a Dual-Chamber Mufflers, Proceedings of the 11th WSEAS International Conference on APPLIED MATHEMATICS (MATH '07), 22-24 March, 2007, Dallas, Texas, USA, pp. 47-50, ISBN 978-960-8457-60-7, ISSN 1790-5117. (BDI: Google Scholar, SCOPUS).	1		
32	Bohâlțea C., Vasile O. , Kolumban V., System for insulation characteristics evaluation of noise barriers, Sesiunea de comunicări științifice a Catedrei de Mecanică Tehnică și Mecanisme – SIMEC 2009, pp. 22-25, ISSN 1842-8045.	1		
33	Predoi M.V., Vasile O. , "Ultrasonic Torsional Waves in Pipes", International Symposium 2012, Bucharest, 1-3 November 2012, ISB / INMA TEH 2012, pp. 241-246, p: ISBN 978-973-0-13670-8, cd: ISBN 978-973-0-13671-5.	1		
34	Procoșil C., Minda P.F., Gillich G.R., Minda A.A., Vasile O. , Beam Model Validation based on Finite Element Analysis, The 5th WSEAS International Conference on Finite Differences-Finite Elements-Finite Volumes-Boundary Elements (F-and-B'12), Prague, Czech Republic, September 24-26, 2012, pp. 54-59, ISBN 978-1-61804-127-2.	1		

35	Vasile O. , Gillich G.R., "Finite element analysis of Acoustic Pressure Levels and Transmission Loss of a Muffler", Advances in Remote Sensing, Finite Differences and Information Security, pp. 43-48, Prague, Czech Republic, September 24-26, 2012, ISBN 978-1-61804-127-2.	1		
36	Vasile O. , Gillich G.R., "Acoustic Wave Propagation in Relation to a Simple Partition Wall Modeled as an Elastic Non-inertial Element", Advances in Remote Sensing, Finite Differences and Information Security, pp. 49-53, Prague, Czech Republic, September 24-26, 2012, ISBN 978-1-61804-127-2.	1		
37	Vasile O. , Enescu N., "Design and analysis of silencers for screw compressors with two-stage", Proceedings of The annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, The XXIII-th SISOM 2012, Bucharest, May 30-31, 2012, pp. 314-319, ISSN 2068-0481.	1		
38	Bratu P., Vasile O. , "Analysis of systemic compability of equipment with inertial vibrators powered by electric motors", Proceedings of The annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, The XXIII-th SISOM 2012, Bucharest, May 30-31, 2012, pp. 1-6, ISSN 2068-0481.	1		
39	Vasile O. , The influence of soundproofing materials on mufflers, Sesiunea de comunicări științifice a Catedrei de Mecanică Tehnică și Mecanisme – SIMEC 2011, pp. 281-284, ISSN 1842-8045.	1		
40	Vasile O. , Enescu N., Noise reduction in industrial installations using a silencer, Proceedings of the Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, 27-28 May - The XXth SISOM 2010, Bucharest, Romania, pp. 379-384, ISSN 2068-0481.	1		
41	Vasile O. , Enescu, N., The interaction between noise and vibration on the muffler, Proceedings of the Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, 28-29 May - The XXth SISOM 2009, Bucharest, Romania, pp. 559-564, ISSN 2068-0481.	1		
42	Vasile O. , Enescu N., "Boundary element method for a dual-chamber mufflers", Sesiunea de comunicări științifice a Catedrei de Mecanică Tehnică și Mecanisme – SIMEC 2009, București, pp. 254-259, ISSN 1842-8045.	1		
43	Enescu N, Vasile O. , Experimental silencer, Proceedings of the Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics, 29-30 May - The XIXth SISOM 2008, Bucharest, Romania, pp. 260-263, ISBN 978-973-713-212-3.	1		
44	Vasile O. , Kolumban V., Vibrațiile structurale transmise de podurile rulante, "Modelarea reologică avansată a sistemelor compozite din neopren pentru izolarea bazei", simpozion, Brăila, 2008, România, 7 pg., Editura IMPULS, ISBN 978-973-8132-68-9.	1		
45	Vasile O. , Enescu N. - Sursă acustică radiantă direcțională, a XXVII-a Conferință națională de Mecanica solidelor, CNMS XXVII, 23-24 mai 2003, Pitești, România, pg. 327 – 330	1		
		N5	45	Obligatoriu 10
A3.3. Citari in publicatii BDI [5] (se exclud autocitările)				
	C1 = numarul de citari		293	
	SFI = suma factorilor de impact al publicatiilor WOS in care apar citările		796.23	
1	Gillich G.R., Fraisach Z.I., Abdel Wahab M., Vasile O. , Localization of transversal cracks in sandwich beams and evaluation of their severity, Shock and Vibration, Volume 2014, Article ID 607125, 10 pages, ISSN 1070-9622, (ISI Index refereed, http://info.scopus.com/detail/what/ , Thomson - Web of Science, Google Scholar, http://dx.doi.org/10.1155/2014/607125) Accession Number: WOS: 000337389500001; 2021 Impact Factor = 1,616 CITAT ÎN:		42	
1.1	Title: Determining the Severity of Open and Closed Cracks Using the Strain Energy Loss and the Tim-Cracking Method Author(s): Tufisi, C (Tufisi, Cristian); Rusu, CV (Rusu, Catalin, V); Gillich, N (Gillich, Nicoleta); Pop, MV (Pop, Marius Vasile); Hamat, CO (Hamat, Codruta Oana); Sacarea, C (Sacarea, Christian); Gillich, GR (Gillich, Gilbert-Rainer) Source: APPLIED SCIENCES-BASEL Volume: 12 Issue: 14 Article Number: 7231 DOI: 10.3390/app12147231 Published: JUL 2022 Accession Number: WOS:000831646400001 [2021 ISI Impact Factor: 2.838]		2.838	
1.2	Title: Determining Orders of Modes Sensitive to Hinge Joint Damage in Assembled Hollow Slab Bridge Author(s): Zhang, J (Zhang, Jian); Yi, TH (Yi, Ting-Hua); Qu, CX (Qu, Chun-Xu); Li, HN (Li, Hong-Nan) Source: JOURNAL OF BRIDGE ENGINEERING Volume: 27 Issue: 3 Article Number: 04022001 DOI: 10.1061/(ASCE)BE.1943-5592.0001834 Published: MAR 1 2022 Accession Number: WOS:000742128200004 [2021 ISI Impact Factor: 3.385]		3.385	
1.3	Title: Damage Detection on a Beam with Multiple Cracks. A Simplified Method Based on Relative Frequency Shifts Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Maia, NMM (Maia, Nuno M. M.); Wahab, MA (Wahab, Magd Abdel); Tufisi, C (Tufisi, Cristian); Korka, ZI (Korka, Zoltan-Iosif); Gillich, N (Gillich, Nicoleta); Pop, MV (Pop, Marius Vasile) Source: SENSORS Volume: 21 Issue: 15 Article Number: 5215 DOI: 10.3390/s21155215 Published: AUG 2021 Accession Number: WOS:000682346000001 [2021 ISI Impact Factor: 3.847]		3.847	

1.4	Title: A modified transmissibility indicator and Artificial Neural Network for damage identification and quantification in laminated composite structures Author(s): Zenzen, R (Zenzen, Roumaissa); Khatir, S (Khatir, Samir); Belaidi, I (Belaidi, Idir); Le Thanh, C (Le Thanh, Cuong); Wahab, MA (Wahab, Magd Abdel) Source: COMPOSITE STRUCTURES Volume: 248 Article Number: 112497 DOI: 10.1016/j.compstruct.2020.112497 Published: SEP 15 2020 Accession Number: WOS:000552865300007 [2021 ISI Impact Factor: 6.603]	6.603		
1.5	Title: An efficient approach to model updating for a multispan railway bridge using orthogonal diagonalization combined with improved particle swarm optimization Author(s): Tran-Ngoc, H (Tran-Ngoc, H.); He, LQ (He, Leqia); Reynders, E (Reynders, Edwin); Khatir, S (Khatir, S.); Le-Xuan, T (Le-Xuan, T.); De Roeck, G (De Roeck, G.); Bui-Tien, T (Bui-Tien, T.); Wahab, MA (Wahab, M. Abdel) Source: JOURNAL OF SOUND AND VIBRATION Volume: 476 Article Number: 115315 DOI: 10.1016/j.jsv.2020.115315 Published: JUN 23 2020 Accession Number: WOS:000525780300007 [2021 ISI Impact Factor: 4.761]	4.761		
1.6	Title: Crack diagnosis method for a cantilevered beam structure based on modal parameters Author(s): Wu, QQ (Wu, Qiqiang); Guo, SP (Guo, Shuaiping); Li, XJ (Li, Xuejun); Gao, GQ (Gao, Guoqiang) Source: MEASUREMENT SCIENCE AND TECHNOLOGY Volume: 31 Issue: 3 Article Number: 035001 DOI: 10.1088/1361-6501/ab5480 Published: MAR 2020 Accession Number: WOS:000519557500001 [2021 ISI Impact Factor: 2.398]	2.398		
1.7	Title: Study of variation in natural frequencies of bio-composites due to structural damage Author(s): Shah, AJ (Shah, Aarsh J.); Pandya, TS (Pandya, Tejas S.); Street, J (Street, Jason) Source: INTERNATIONAL WOOD PRODUCTS JOURNAL Volume: 11 Issue: 4 Pages: 166-172 DOI: 10.1080/20426445.2020.1780383 Published: 2020 Accession Number: WOS:000583412900002	0		
1.8	Title: A damage identification technique for beam-like and truss structures based on FRF and Bat Algorithm Author(s): Zenzen, R (Zenzen, Roumaissa); Belaidi, I (Belaidi, Idir); Khatir, S (Khatir, Samir); Wahab, MA (Wahab, Magd Abdel) Source: COMPTES RENDUS MECANIQUE Volume: 346 Issue: 12 Pages: 1253-1266 DOI: 10.1016/j.crme.2018.09.003 Published: DEC 2018 Accession Number: WOS:000449820000010 [2021 ISI Impact Factor: 1.437]	1.437		
1.9	Title: A damage localization method based on the singular value decomposition (SVD) for plates Author(s): Yang, ZB (Yang, Zhi-Bo); Yu, JT (Yu, Jin-Tao); Tian, SH (Tian, Shao-Hua); Chen, XF (Chen, Xue-Feng); Xu, GJ (Xu, Guan-Ji) Source: SMART STRUCTURES AND SYSTEMS Volume: 22 Issue: 5 Pages: 621-630 DOI: 10.12989/sss.2018.22.5.621 Published: NOV 2018 Accession Number: WOS:000450530000009 [2021 ISI Impact Factor: 4.581]	4.581		
1.10	Title: Development of super convergent Euler finite elements for the analysis of sandwich beams with soft core Author(s): Sudhakar, V (Sudhakar, V.); Gopalkrishnan, S (Gopalkrishnan, S.); Vijayaraju, K (Vijayaraju, K.) Source: STRUCTURAL ENGINEERING AND MECHANICS Volume: 65 Issue: 6 Pages: 657-678 DOI: 10.12989/sem.2018.65.6.657 Published: MAR 25 2018 Accession Number: WOS:000429490600002 ISSN: 1225-4568 eISSN: 1598-6217 [2021 ISI Impact Factor: 2.998]	2.998		
1.11	Title: Structural health monitoring of 3D frame structures using finite element modal analysis and genetic algorithm Author(s): Tiachacht, S (Tiachacht, S.); Bouazzouni, A (Bouazzouni, A.); Khatir, S (Khatir, S.); Behtani, A (Behtani, A.); Zhou, YLM (Zhou, Y. -L. -M.); Wahab, MA (Wahab, M. Abdel) Source: JOURNAL OF VIBROENGINEERING Volume: 20 Issue: 1 Pages: 202-214 DOI: 10.21595/jve.2017.18571 Published: FEB 2018 Accession Number: WOS:000431126100016	0		
1.12	Title: Crack identification method in beam-like structures using changes in experimentally measured frequencies and Particle Swarm Optimization Author(s): Khatir, S (Khatir, Samir); Dekemele, K (Dekemele, Kevin); Loccufier, M (Loccufier, Mia); Khatir, T (Khatir, Tawfiq); Wahab, MA (Wahab, Magd Abdel) Source: COMPTES RENDUS MECANIQUE Volume: 346 Issue: 2 Pages: 110-120 DOI: 10.1016/j.crme.2017.11.008 Published: FEB 2018 Accession Number: WOS:000425871300004 [2021 ISI Impact Factor: 1.437]	1.437		
1.13	Title: Problem of Detecting Damage Through Natural Frequency Changes Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Maia, NNN (Maia, Nuno N. N.); Mituletu, IC (Mituletu, Ion Cornel) Edited by: Nobari AS; Aliabadi MHF Source: VIBRATION-BASED TECHNIQUES FOR DAMAGE DETECTION AND LOCALIZATION IN ENGINEERING STRUCTURES Book Series: Computational and Experimental Methods in Structures Volume: 10 Pages: 105-139 Published: 2018 Accession Number: WOS:000460811300005	0		

1.14	Title: Analytical Solution of Dynamic Analysis of Cracked Euler-Bernoulli Beam with Elastic Boundary Condition By G.F.M Author(s): Ghannadiasl, A (Ghannadiasl, Amin); Ajirlou, SK (Ajirlou, Saeid Khodapanah) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 2 Pages: 100-107 Published: 2018 Accession Number: WOS:000457418600004	0		
1.15	Title: Computational Assessments on Dragline Bucket Oscillations Author(s): Debeleac, C (Debeleac, Carmen); Nastac, S (Nastac, Silviu) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 2 Pages: 149-157 Published: 2018 Accession Number: WOS:000457418600011	0		
1.16	Title: Guided Wave Energy Transfer in Composite Sandwich Structures and Application to Defect Detection Author(s): Shoja, S (Shoja, Siavash); Berbyuk, V (Berbyuk, Viktor); Bostrom, A (Bostrom, Anders) Source: SHOCK AND VIBRATION Volume: 2018 Article Number: 5106370 DOI: 10.1155/2018/5106370 Published: 2018 Accession Number: WOS:000449807700001 [2021 ISI Impact Factor: 1.616]	1.616		
1.17	Title: Numerical Study of the Stiffness Degradation Caused by Branched Cracks and its Influence on the Natural Frequency Drop Author(s): Tufisi, C (Tufisi, Cristian); Gillich, GR (Gillich, Gilbert-Rainer); Hamat, CO (Hamat, Codruta Oana); Gillich, N (Gillich, Nicoleta); Praisach, ZI (Praisach, Zeno-Iosif) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 1 Pages: 53-57 Published: 2018 Accession Number: WOS:000444766100009	0		
1.18	Title: The Fourier spectral Poincare map method for damage detection via single type of measurement Author(s): Yang, ZB (Yang, Zhi-Bo); Wang, YN (Wang, Ya-Nan); Zuo, H (Zuo, Hao); Zhang, XW (Zhang, Xing-Wu); Xie, Y (Xie, Yong); Chen, XF (Chen, Xue-Feng) Source: MEASUREMENT Volume: 113 Pages: 22-37 DOI: 10.1016/j.measurement.2017.08.023 Published: JAN 2018 Accession Number: WOS:000411767300003 [2021 ISI Impact Factor: 5.131]	5.131		
1.19	Title: Damage localization and quantification of composite beam structures using residual force and optimization Author(s): Behtani, A (Behtani, A.); Bouazzouni, A (Bouazzouni, A.); Khatir, S (Khatir, S.); Tiachacht, S (Tiachacht, S.); Zhou, YL (Zhou, Y. -L.); Wahab, MA (Wahab, M. Abdel) Source: JOURNAL OF VIBROENGINEERING Volume: 19 Issue: 7 Pages: 4977-4988 DOI: 10.21595/jve.2017.18302 Published: NOV 2017 Accession Number: WOS:000419833500013	0		
1.20	Title: Method to Enhance the Frequency Readability for Detecting Incipient Structural Damage Author(s): Gillich, GR (Gillich, G. R.); Mituletu, IC (Mituletu, I. C.); Praisach, ZI (Praisach, Z. I.); Negru, I (Negru, I.); Tufoi, M (Tufoi, M.) Source: IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING Volume: 41 Issue: 3 Pages: 233-242 DOI: 10.1007/s40997-016-0059-8 Published: SEP 2017	1.53		
1.21	Title: Natural Frequency Changes of Two-Span Beams Due to Transverse Cracks Author(s): Ntakpe, JL (Ntakpe, Jean-Louis); Praisach, ZI (Praisach, Zeno-Iosif); Mituletu, IC (Mituletu, Ion-Cornel); Gillich, GR (Gillich, Gilbert-Rainer); Muntean, F (Muntean, Florian) Source: JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES Volume: 5 Issue: 3 Pages: 229-238 Published: JUN 2017 Accession Number: WOS:000404371400004 [2021 ISI Impact Factor: 2.333]	2.333		
1.22	Title: Damage detection in beam-like composite structures via Chebyshev pseudo spectral modal curvature Author(s): Yang, ZB (Yang, Zhi-Bo); Radzienski, M (Radzienski, Maciej); Kudela, P (Kudela, Pawel); Ostachowicz, W (Ostachowicz, Wieslaw) Source: COMPOSITE STRUCTURES Volume: 168 Pages: 1-12 DOI: 10.1016/j.compstruct.2017.01.087 Published: MAY 15 2017 Accession Number: WOS:000398014200001 [2021 ISI Impact Factor: 6.603]	6.603		
1.23	Title: Two-dimensional Chebyshev pseudo spectral modal curvature and its application in damage detection for composite plates Author(s): Yang, ZB (Yang, Zhi-Bo); Radzienski, M (Radzienski, Maciej); Kudela, P (Kudela, Pawel); Ostachowicz, W (Ostachowicz, Wieslaw) Source: COMPOSITE STRUCTURES Volume: 168 Pages: 372-383 DOI: 10.1016/j.compstruct.2017.02.066 Published: MAY 15 2017 Accession Number: WOS:000398014200034 [2021 ISI Impact Factor: 6.603]	6.603		

1.24	Title: Detection of Fatigue Crack in Basalt FRP Laminate Composite Pipe using Electrical Potential Change Method Author(s): Altabey, WA (Altabey, Wael A.); Noori, M (Noori, Mohammed) Book Group Author(s): IOP Source: 12TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES Book Series: Journal of Physics Conference Series Volume: 842 Article Number: UNSP 012079 DOI: 10.1088/1742-6596/842/1/012079 Published: 2017 Accession Number: WOS:000414147600079	0		
1.25	Title: Damage severity estimation from the global stiffness decrease Author(s): Nitescu, C (Nitescu, C.); Gillich, GR (Gillich, G. R.); Wahab, MA (Wahab, M. Abdel); Manescu, T (Manescu, T.); Korca, ZI (Korka, Z. I.) Book Group Author(s): IOP Source: 12TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES Book Series: Journal of Physics Conference Series Volume: 842 Article Number: UNSP 012034 DOI: 10.1088/1742-6596/842/1/012034 Published: 2017 Accession Number: WOS:000414147600034	0		
1.26	Title: Data driven innovations in structural health monitoring Author(s): Rosales, MJ (Rosales, M. J.); Liyanapathirana, R (Liyanapathirana, R.) Book Group Author(s): IOP Source: 12TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES Book Series: Journal of Physics Conference Series Volume: 842 Article Number: UNSP 012012 DOI: 10.1088/1742-6596/842/1/012012 Published: 2017 Accession Number: WOS:000414147600012	0		
1.27	Title: The influence of stiffening ribs on the natural frequencies of butterfly valve disk Author(s): Ursoniu, C (Ursoniu, C.); Pepa, D (Pepa, D.); Tufoi, M (Tufoi, M.); Gillich, GR (Gillich, G. R.) Edited by: Lemle LD; Jiang Y Source: INTERNATIONAL CONFERENCE ON APPLIED SCIENCES (ICAS2016) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 163 Article Number: UNSP 012041 DOI: 10.1088/1757-899X/163/1/012041 Published: 2017 Accession Number: WOS:000399755300041	0		
1.28	Title: Modal Analysis of a Butterfly Valve with Different Stiffening Element Author(s): Tufoi, M (Tufoi, Marius); Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Korca, ZI (Korka, Zoltan Iosif); Hatiegan, C (Hatiegan, Cornel) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 13 Issue: 1 Pages: 11-15 Published: 2016 Accession Number: WOS:000410963300003	0		
1.29	Title: The Relations between Deflection, Stored Energy and Natural Frequencies, with Application in Damage Detection Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Tufoi, M (Tufoi, Marius); Korca, ZI (Korka, Zoltan-Iosif); Stanciu, E (Stanciu, Emilian); Petrica, A (Petrica, Adrian) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 13 Issue: 2 Pages: 87-93 Published: 2016 (SCOPUS) Accession Number: WOS:000410966600006	0		
1.30	Title: An Accurate Frequency Estimation Algorithm with Application in Modal Analysis Author(s): Ntakpe, JL (Ntakpe, Jean Louis); Gillich, GR (Gillich, Gilbert-Rainer); Mituletu, IC (Mituletu, Ion Cornel); Praisach, ZI (Praisach, Zeno-Iosif); Gillich, N (Gillich, Nicoleta) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 13 Issue: 2 Pages: 98-103 Published: 2016 (SCOPUS) Accession Number: WOS:000410966600008	0		
1.31	Title: Early observation of modal parameter changes by an enhanced frequency evaluation algorithm Author(s): Mituletu, IC (Mituletu, I. C.); Gillich, GR (Gillich, G. R.); Tufoi, M (Tufoi, M.); Gillich, N (Gillich, N.) Edited by: Belhaq M Source: CSNDD 2016 - INTERNATIONAL CONFERENCE ON STRUCTURAL NONLINEAR DYNAMICS AND DIAGNOSIS Book Series: MATEC Web of Conferences Volume: 83 Article Number: UNSP 06004 DOI: 10.1051/mateconf/20168306004 Published: 2016 Accession Number: WOS:000392270200043	0		
1.32	Title: A Method to Enhance Frequency Readability for Early Damage Detector Author(s): Gillich, GR (Gillich, G. R.); Mituletu, IC (Mituletu, I. C.); Negru, I (Negru, I.); Tufoi, M (Tufoi, M.); Iancu, V (Iancu, V.); Muntean, F (Muntean, F.) Source: JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES Volume: 3 Issue: 5 Pages: 637-652 Published: OCT 2015 Accession Number: WOS:000369646000009 [2021 Impact Factor: 2.333]	2.333		
1.33	Title: Early Structural Damage Assessment by Using an Improved Frequency Evaluation Algorithm Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Maia, NMM (Maia, Nuno M. M.); Mituletu, IC (Mituletu, Ion-Cornel); Praisach, ZI (Praisach, Zeno-Iosif); Tufoi, M (Tufoi, Marius); Negru, I (Negru, Ionica) Source: LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES Volume: 12 Issue: 12 Pages: 2311-2329 DOI: 10.1590/1679-78251795 Published: 2015 Accession Number: WOS:000375776700005 [2021 Impact Factor: 1.37]	1.37		

1.34	Title: Nondestructive evaluation of piers Author(s): Negru, I (Negru, Ionica); Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Tufoi, M (Tufoi, Marius); Gillich, EV (Gillich, Edwald-Viktor) Edited by: Kundu T Source: HEALTH MONITORING OF STRUCTURAL AND BIOLOGICAL SYSTEMS 2015 Book Series: Proceedings of SPIE Volume: 9438 Article Number: 943817 DOI: 10.1117/12.2081432 Published: 2015 Accession Number: WOS:000359481400031	0		
1.35	Title: Damage identification in rectangular plates using spectral strain energy distribution Author(s): Tufoi, M (Tufoi, Marius); Gillich, GR (Gillich, Gilbert-Rainer); Iancu, V (Iancu, Vasile); Negru, I (Negru, Ionica) Edited by: Kundu T Source: HEALTH MONITORING OF STRUCTURAL AND BIOLOGICAL SYSTEMS 2015 Book Series: Proceedings of SPIE Volume: 9438 Article Number: 943818 DOI: 10.1117/12.2085009 Published: 2015 Accession Number: WOS:000359481400032	0		
1.36	Title: A multi-resolution based method to precise identify the natural frequencies of beams with application in damage detection Author(s): Mituletu, IC (Mituletu, I. C.); Gillich, N (Gillich, N.); Nitescu, CN (Nitescu, C. N.); Chioncel, CP (Chioncel, C. P.) Book Group Author(s): IOP Source: 11TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES (DAMAS 2015) Book Series: Journal of Physics Conference Series Volume: 628 Article Number: 012020 DOI: 10.1088/1742-6596/628/1/012020 Published: 2015 Accession Number: WOS:000358193700021	0		
1.37	Title: Natural frequency changes due to damage in composite beams Author(s): Negru, I (Negru, I.); Gillich, GR (Gillich, G. R.); Praisach, ZI (Praisach, Z. I.); Tufoi, M (Tufoi, M.); Gillich, N (Gillich, N.) Book Group Author(s): IOP Source: 11TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES (DAMAS 2015) Book Series: Journal of Physics Conference Series Volume: 628 Article Number: 012091 DOI: 10.1088/1742-6596/628/1/012091 Published: 2015 Accession Number: WOS:000358193700092	0		
1.38	Title: Location of the corrosion damage in rectangular plates Author(s): Tufoi, M (Tufoi, M.); Gillich, GR (Gillich, G. R.); Mituletu, IC (Mituletu, I. C.); Iancu, V (Iancu, V.) Book Group Author(s): IOP Source: 11TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES (DAMAS 2015) Book Series: Journal of Physics Conference Series Volume: 628 Article Number: 012005 DOI: 10.1088/1742-6596/628/1/012005 Published: 2015 Accession Number: WOS:000358193700006	0		
1.39	Title: Some Aspects Regarding the Transition from Beam to Plate Behavior of Vibrating Structures Author(s): Tufoi, M (Tufoi, Marius); Gillich, GR (Gillich, Gilbert-Rainer); Hatiegan, C (Hatiegan, Cornel); Gillich, N (Gillich, Nicoleta); Lorenz, P (Lorenz, Peter) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 12 Issue: 1 Pages: 62-68 Published: 2015 Accession Number: WOS:000415189400012	0		
1.40	Title: Location of the corrosion damage in rectangular plates Author(s): Tufoi, M (Tufoi, M.); Gillich, GR (Gillich, G. R.); Mituletu, IC (Mituletu, I. C.); Iancu, V (Iancu, V.) Book Group Author(s): IOP Source: 11TH INTERNATIONAL CONFERENCE ON DAMAGE ASSESSMENT OF STRUCTURES (DAMAS 2015) Book Series: Journal of Physics Conference Series Volume: 628 Article Number: 012005 DOI: 10.1088/1742-6596/628/1/012005 Published: 2015 Accession Number: WOS:000358193700006	0		
1.41	Title: Diagnosis of a Portal Frame Using Frequency Shift Analysis Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Iancu, V (Iancu, Vasile); Stanciu, E (Stanciu, Emilian) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 12 Issue: 2 Pages: 139-145 Published: 2015 (SCOPUS) Accession Number: WOS:000415190200006	0		
1.42	Title: Visual Method to Recognize Breathing Cracks from Frequency Change Author(s): Chioncel, CP (Chioncel, Cristian Paul); Gillich, GR (Gillich, Gilbert-Rainer); Mituletu, IC (Mituletu, Ion Cornel); Gillich, N (Gillich, Nicoleta); Pelea, I (Pelea, Ionela) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 12 Issue: 2 Pages: 151-154 Published: 2015 (SCOPUS) Accession Number: WOS:000415190200008	0		
2	Bratu P.P., Vasile O., Spanu G.C., "The analysis of insulation systems based on Hooke - Voigt kelvin dynamic rheological model", Journal of Vibrational Engineering and Technologies, ISSN 2321-3558, 2017, Vol. 5, issue 3, pp. 255-261 (cotată ISI Thomson - Web of Science) Accession Number: WOS: 000404371400007; 2021 ISI Impact Factor = 2,333 CITAT IN:	5		

2.1	Title: Evaluation of the Dynamic Regime Upon Trial of An Elastic Beam Excited by Vibrodyn Author(s): Dragan, N (Dragan, Nicusor); Capatana, GF (Capatana, Gigel Florin); Potirniche, AM (Potirniche, Aurora Maria) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 13-16 Published: 2022 Accession Number: WOS:000782978600002	0		
2.2	Title: The Effect of The Symmetrical Elastic Nonlinearity on Structural Vibrations Transmitted by Dynamic Equipment on The Construction Envelope Author(s): Bratu, P (Bratu, Polidor); Nicolae, GL (Nicolae, George Lucian); Iacovescu, S (Iacovescu, Samir); Ion, D (Ion, Dan); Cotoban, A (Cotoban, Andrei) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 25-28 Published: 2022 Accession Number: WOS:000782978600004	0		
2.3	Title: Fractal approach to the fluidity of a cement mortar Author(s): He, CH (He, Chun-Hui); Liu, C (Liu, Chao) Source: NONLINEAR ENGINEERING - MODELING AND APPLICATION Volume: 11 Issue: 1 Pages: 1-5 DOI: 10.1515/nleng-2022-0001 Published: JAN 1 2022 Accession Number: WOS:000753573300001	0		
2.4	Title: Effect of Reducing the Vibrations Transmitted with High-Performance Elastomeric Device Author(s): Dragan, N (Dragan, Nicusor); Potirniche, AM (Potirniche, Aurora Maria); Capatana, GF (Capatana, Gigel Florin) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 18 Issue: 2 Pages: 126-129 Published: 2021 Accession Number: WOS:000756914600010	0		
2.5	Title: THE ASSESSMENT OF THE DYNAMIC RESPONSE TO SEISMIC EXCITATION FOR CONSTRUCTIONS EQUIPPED WITH BASE ISOLATION SYSTEMS ACCORDING TO THE NEWTON-VOIGT-KELVIN MODEL Author(s): Bratu, P (Bratu, Polidor); Stuparu, A (Stuparu, Adriana); Popa, S (Popa, Sorin); Iacob, N (Iacob, Nicolae); Voicu, O (Voicu, Ovidiu) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 60 Issue: 4 Pages: 459-464 Published: NOV 2017 Accession Number: WOS:000428901100003	0		
3	Vasile O., "Active Vibration Control for Viscoelastic Damping Systems under the Action of Inertial Forces", Romanian Journal of Acoustics and Vibration, vol. 14, issue 1, 2017, ISSN 1584-7284, pp. 54-58 (indexată ISI Thomson - Web of Science) Accession Number: WOS: 000415587800011, CITAT ÎN:	19		
3.1	Title: Dynamic Response of Vibratory Piling Machines for Ground Foundations Author(s): Goanta, AM (Goanta, Adrian Mihai); Bratu, P (Bratu, Polidor); Dragan, N (Dragan, Nicusor) Source: SYMMETRY-BASEL Volume: 14 Issue: 6 Article Number: 1238 DOI: 10.3390/sym14061238 Published: JUN 2022 Accession Number: WOS:000818200900001 [2021 Impact Factor: 2.94]	2.94		
3.2	Title: DYNAMIC RESPONSE FOR A SYSTEM MODELED AS A SOLID BODY WITH CONSTRUCTIVE SYMMETRY AND INCLINED DISTURBING FORCE Author(s): Dragan, N (Dragan, Nicusor); Potirniche, AM (Maria Potirniche, Aurora); Capatana, GF (Florin Capatana, Gigel) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 65 Issue: 1 Special Issue: SI Pages: 43-48 Published: MAR 2022 Accession Number: WOS:000832312500007	0		
3.3	Title: INFLUENCE OF ECCENTRICITIES OF DISTURBING FORCES APPLIED TO AN ELASTIC MECHANICAL SYSTEM MODELED AS A SOLID BODY WITH CONSTRUCTIVE SYMMETRIES Author(s): Potirniche, AM (Potirniche, Aurora Maria); Dragan, N (Dragan, Nicusor); Capatana, GF (Capatana, Gigel Florin) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 65 Issue: 1 Special Issue: SI Pages: 65-68 Published: MAR 2022 Accession Number: WOS:000832312500009	0		
3.4	Title: Dynamic Performances of Technological Vibrating Machine Author(s): Bratu, P (Bratu, Polidor); Dragan, N (Dragan, Nicusor); Dobrescu, C (Dobrescu, Cornelia) Source: SYMMETRY-BASEL Volume: 14 Issue: 3 Article Number: 539 DOI: 10.3390/sym14030539 Published: MAR 2022 Accession Number: WOS:000774655600001 [2021 Impact Factor: 2.94]	2.94		
3.5	Title: Hysteresis Response Loops in Stationary Vibrator Regimes for Elastomeric Insulators Author(s): Bratu, P (Bratu, Polidor); Dobrescu, C (Dobrescu, Cornelia); Dragan, N (Dragan, Nicu) Source: SYMMETRY-BASEL Volume: 14 Issue: 2 Article Number: 246 DOI: 10.3390/sym14020246 Published: FEB 2022 Accession Number: WOS:000767785600001 [2021 Impact Factor: 2.94]	2.94		

3.6	Title: Evaluation of the Dynamic Regime Upon Trial of An Elastic Beam Excited by Vibrodyn Author(s): Dragan, N (Dragan, Nicusor); Capatana, GF (Capatana, Gigel Florin); Potirniche, AM (Potirniche, Aurora Maria) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 13-16 Published: 2022 Accession Number: WOS:000782978600002	0		
3.7	Title: The Effect of The Symmetrical Elastic Nonlinearity on Structural Vibrations Transmitted by Dynamic Equipment on The Construction Envelope Author(s): Bratu, P (Bratu, Polidor); Nicolae, GL (Nicolae, George Lucian); Iacovescu, S (Iacovescu, Samir); Ion, D (Ion, Dan); Cotoban, A (Cotoban, Andrei) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 25-28 Published: 2022 Accession Number: WOS:000782978600004	0		
3.8	Title: Effect of Reducing the Vibrations Transmitted with High-Performance Elastomeric Device Author(s): Dragan, N (Dragan, Nicusor); Potirniche, AM (Potirniche, Aurora Maria); Capatana, GF (Capatana, Gigel Florin) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 18 Issue: 2 Pages: 126-129 Published: 2021 Accession Number: WOS:000756914600010	0		
3.9	Title: VARIETY OF RHEOLOGICAL MODELS USED IN THE ISOLATION OF THE BASE FOR EARTHQUAKE CHALLENGED CONSTRUCTIONS Author(s): Bratu, P (Bratu, Polidor) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 63 Issue: 2 Pages: 119-122 Published: JUN 2020 Accession Number: WOS:000550992100001	0		
3.10	Title: PARAMETRIC ASSESSMENT OF ANTI-SEISMIC DEVICES ACCORDING TO THE NATURE OF KINEMATIC EXCITATION Author(s): Bratu, P (Bratu, Polidor) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 62 Issue: 2 Pages: 231-236 Published: JUN 2019 Accession Number: WOS:000483186000002	0		
3.11	Title: Hysteretic Loops in Correlation with the Maximum Dissipated Energy, for Linear Dynamic System Author(s): Bratu, P (Bratu, Polidor) Source: SYMMETRY-BASEL Volume: 11 Issue: 3 Article Number: 315 DOI: 10.3390/sym11030315 Published: MAR 2 2019 Accession Number: WOS:000464410800001 [2021 Impact Factor: 2.94]	2.94		
3.12	Title: Dynamic Modeling and Feedforward Control of Jaw Movements Driven by Viscoelastic Artificial Muscles Author(s): Gupta, U (Gupta, Ujjaval); Wang, YZ (Wang, Yuzhe); Ren, HL (Ren, Hongliang); Zhu, J (Zhu, Jian) Source: IEEE-ASME TRANSACTIONS ON MECHATRONICS Volume: 24 Issue: 1 Pages: 25-35 DOI: 10.1109/TMECH.2018.2875521 Published: FEB 2019 Accession Number: WOS:000458807900004 [2021 Impact Factor: 5.867]	5.867		
3.13	Title: Dynamic Rigidity of The Linear Voigt - Kelvin Viscoelastic System Author(s): Bratu, P (Bratu, Polidor) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 2 Pages: 184-188 Published: 2019 Accession Number: WOS:000593692900014	0		
3.14	Title: Assesing The Level of Performance of Elastomeric Antiseismic Devices for Seismic Isolation at The Base Author(s): Alexandru, P (Alexandru, Pungoci) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 2 Pages: 198-203 Published: 2019 Accession Number: WOS:000593692900016	0		
3.15	Title: Evaluation of the Linear Viscoelastic Force for a Dynamic System (m, c, k) Excited with a Rotating Force Author(s): Bratu, P (Bratu, Polidor); Buruga, A (Buruga, Andrei); Chilari, O (Chilari, Oleg); Ciocodeiu, AI (Ciocodeiu, Adrian Ion); Oprea, I (Oprea, Ionel) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 1 Pages: 39-46 Published: 2019 Accession Number: WOS:000502625500005	0		
3.16	Title: Evaluation of the Dissipated Energy in Vicinity of the Resonance, depending on the Nature of Dynamic Excitation Author(s): Bratu, P (Bratu, Polidor); Dobrescu, C (Dobrescu, Cornelia) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 1 Pages: 66-71 Published: 2019 Accession Number: WOS:000502625500009	0		

3.17	Title: A Numerical Model for Computing the Geometrical Errors Using Transfer Matrices in Case of a 5R Robot Author(s): Crisan, AV (Crisan, Adina-Veronica); Negrean, I (Negrean, Iuliu) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 1 Pages: 72-77 Published: 2019 Accession Number: WOS:000502625500010	0		
3.18	Title: A New Active Control Process Based on Applying Critical Damping Theory in Two Vibration Modes Author(s): Alamatian, J (Alamatian, Javad); Davtalab, H (Davtalab, Hamid) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 2 Pages: 90-99 Published: 2018 Accession Number: WOS:000457418600003	0		
3.19	Title: A New Active Control Process Based on Applying Critical Damping Theory in Two Vibration Modes Author(s): Alamatian, J (Alamatian, Javad); Davtalab, H (Davtalab, Hamid) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 14 Issue: 2 Pages: 115-124 Published: 2017 Accession Number: WOS:000424498300010	0		
4	Ghizdaveț Z., Steliana B.M., Năstac D., Vasile O. , Bratu M., "Sound absorbing materials made by embedding crumb rubber waste in a concrete matrix", Construction and Building Materials, , DOI: 10.1016/j.conbuildmat.2016.07.145, ISSN: 0950-0618, 2016, Vol.: 124, pp. 755-763. (cotată ISI Thomson - Web of Science) Accession Number: WOS: 000385319300075; 2021 Impact Factor = 7,693 CITAT ÎN:	44		
4.1	Title: Properties and sustainability of treated crumb rubber concrete Author(s): Assaggaf, R (Assaggaf, Rida); Maslehuddin, M (Maslehuddin, Mohammed); Al-Osta, MA (Al-Osta, Mohammed A.); Al-Dulaijan, SU (Al-Dulaijan, Salah Uthman); Ahmad, S (Ahmad, Shamsad) Source: JOURNAL OF BUILDING ENGINEERING Volume: 51 Article Number: 104250 DOI: 10.1016/j.job.2022.104250 Published: JUL 1 2022 Accession Number: WOS:000777209000001 [2021 ISI Impact Factor: 7.144]	7.144		
4.2	Title: A Review on the Effect of Mechanical Properties and Durability of Concrete with Construction and Demolition Waste (CDW) and Fly Ash in the Production of New Cement Concrete Author(s): da Silva, SR (da Silva, Sergio Roberto); Andrade, JJD (Andrade, Jairo Jose de Oliveira) Source: SUSTAINABILITY Volume: 14 Issue: 11 Article Number: 6740 DOI: 10.3390/su14116740 Published: JUN 2022 Accession Number: WOS:000808980900001 [2021 ISI Impact Factor: 3.889]	3.889		
4.3	Title: Finite Element Multi-Physics Analysis and Experimental Testing for Hollow Brick Solutions with Lightweight and Eco-Sustainable Cement Mix Author(s): Sambucci, M (Sambucci, Matteo); Sibai, A (Sibai, Abbas); Fattore, L (Fattore, Luciano); Martufi, R (Martufi, Riccardo); Lucibello, S (Lucibello, Sabrina); Valente, M (Valente, Marco) Source: JOURNAL OF COMPOSITES SCIENCE Volume: 6 Issue: 4 Article Number: 107 DOI: 10.3390/jcs6040107 Published: APR 2022 Accession Number: WOS:000785199000001	0		
4.4	Title: On the acoustical performance of eco-friendly cementitious composite with recycled fine rubber particles Author(s): Atef, M (Atef, Mohamed); Bassioni, G (Bassioni, Ghada); Azab, N (Azab, Nahid); Abdellatif, MH (Abdellatif, Mohamed Hazem) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 325 Article Number: 126830 DOI: 10.1016/j.conbuildmat.2022.126830 Published: MAR 28 2022 Accession Number: WOS:000770826100001 [2021 ISI Impact Factor: 7.693]	7.693		
4.5	Title: Effects of nano-SiO2 modification on rubberised mortar and concrete with recycled coarse aggregates Author(s): Zhao, JB (Zhao, Jianbai); Zhang, BF (Zhang, Baifa); Xie, JH (Xie, Jianhe); Wu, YH (Wu, Yanhai); Wang, ZH (Wang, Zhihao); Liu, P (Liu, Peng) Source: NANOTECHNOLOGY REVIEWS Volume: 11 Issue: 1 Pages: 473-496 DOI: 10.1515/ntrev-2022-0024 Published: JAN 18 2022 Accession Number: WOS:000743474300001 [2021 ISI Impact Factor: 6.739]	6.739		
4.6	Title: Ground waste Tire Rubber as a Total Replacement of Natural Aggregates in Concrete Mixes: Application for Lightweight Paving Blocks Author(s): Sambucci, M (Sambucci, Matteo); Valente, M (Valente, Marco) Source: MATERIALS Volume: 14 Issue: 24 Article Number: 7493 DOI: 10.3390/ma14247493 Published: DEC 2021 Accession Number: WOS:000738286900001 [2021 ISI Impact Factor: 3.748]	3.748		
4.7	Title: Evaluation of noise barriers based on geometries and materials: a review Author(s): Laxmi, V (Laxmi, Vijaya); Thakre, C (Thakre, Chaitanya); Vijay, R (Vijay, Ritesh) Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 29 Issue: 2 Pages: 1729-1745 DOI: 10.1007/s11356-021-16944-2 Early Access Date: OCT 2021 Published: JAN 2022 Accession Number: WOS:000712505900010 [2021 ISI Impact Factor: 5.19]	5.19		

4.8	Title: Sound-Absorbing Acoustic Concretes: A Review Author(s): Amran, M (Amran, Mugahed); Fediuk, R (Fediuk, Roman); Murali, G (Murali, Gunasekaran); Vatin, N (Vatin, Nikolai); Al-Fakih, A (Al-Fakih, Amin) Source: SUSTAINABILITY Volume: 13 Issue: 19 Article Number: 10712 DOI: 10.3390/su131910712 Published: OCT 2021 Accession Number: WOS:000709470500001 [2021 ISI Impact Factor: 3.889]	3.889		
4.9	Title: The utility of proper orthogonal decomposition for dimensionality reduction in behavior of concrete Author(s): Manoj, A (Manoj, A.); Narayan, KSB (Narayan, K. S. Babu) Source: COMPUTERS AND CONCRETE Volume: 28 Issue: 2 Pages: 129-136 DOI: 10.12989/cac.2021.28.2.129 Published: AUG 2021 Accession Number: WOS:000688431400003 [2021 ISI Impact Factor: 7.628]	7.628		
4.10	Title: Sound-Absorbing Composites with Rubber Crumb from Used Tires Author(s): Smirnova, OM (Smirnova, Olga M.); de Navascues, IMP (Pidal de Navascues, Ignacio Menendez); Mikhailevskii, VR (Mikhailevskii, Vladislav R.); Kolosov, OI (Kolosov, Oleg, I); Skolota, NS (Skolota, Nikita S.) Source: APPLIED SCIENCES-BASEL Volume: 11 Issue: 16 Article Number: 7347 DOI: 10.3390/app11167347 Published: AUG 2021 Accession Number: WOS:000688737500001 [2021 ISI Impact Factor: 2.838]	2.838		
4.11	Title: Mechanical Behavior of Plaster Composites Based on Rubber Particles from End-of-Life Tires Reinforced with Carbon Fibers Author(s): Lozano-Diez, RV (Vicente Lozano-Diez, Rafael); Lopez-Zaldivar, O (Lopez-Zaldivar, Oscar); Herrero-del-Cura, S (Herrero-del-Cura, Sofia); Mayor-Lobo, PL (Luis Mayor-Lobo, Pablo); Hernandez-Olivares, F (Hernandez-Olivares, Francisco) Source: MATERIALS Volume: 14 Issue: 14 Article Number: 3979 DOI: 10.3390/ma14143979 Published: JUL 2021 Accession Number: WOS:000676614600001 [2021 ISI Impact Factor: 3.748]	3.748		
4.12	Title: Thermal resistivity, sound absorption and vibration damping of concrete composite doped with waste tire Rubber: A review Author(s): Bala, A (Bala, Anu); Gupta, S (Gupta, Supratic) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 299 Article Number: 123939 DOI: 10.1016/j.conbuildmat.2021.123939 Early Access Date: JUN 2021 Published: SEP 13 2021 Accession Number: WOS:000685997200010 [2021 ISI Impact Factor: 7.693]	7.693		
4.13	Title: Influence of waste Tire Rubber Particles Size on the Microstructural, Mechanical, and Acoustic Insulation Properties of 3D-Printable Cement Mortars Author(s): Sambucci, M (Sambucci, Matteo); Valente, M (Valente, Marco) Source: CIVIL ENGINEERING JOURNAL-TEHRAN Volume: 7 Issue: 6 Pages: 937-952 DOI: 10.28991/cej-2021-03091701 Published: JUN 2021 Accession Number: WOS:000657477400001	0		
4.14	Title: Acoustic barrier simulation of construction and demolition waste: A sustainable approach to the control of environmental noise Author(s): Amarilla, RSD (Deniz Amarilla, Rosemara Santos); Ribeiro, RS (Ribeiro, Rodrigo Scoczynski); Gomes, MHD (de Avelar Gomes, Marcio Henrique); Sousa, RP (Sousa, Raylton Pereira); Sant'Ana, LH (Sant'Ana, Luis Henrique); Catai, RE (Catai, Rodrigo Eduardo) Source: APPLIED ACOUSTICS Volume: 182 Article Number: 108201 DOI: 10.1016/j.apacoust.2021.108201 Early Access Date: MAY 2021 Published: NOV 2021 Accession Number: WOS:000659135600020 [2021 ISI Impact Factor: 3.614]	3.614		
4.15	Title: Material and durability study of a 10-year-old crumb rubber concrete bridge deck in Tianjin, China Author(s): Zhu, H (Zhu, Han); Duan, FQ (Duan, Fuqiang); Shao, JW (Shao, Jian-wen); Shi, WW (Shi, Wanwan); Lin, ZC (Lin, Zhicheng) Source: MAGAZINE OF CONCRETE RESEARCH Volume: 73 Issue: 10 Pages: 499-511 DOI: 10.1680/jmacr.19.00238 Published: MAY 2021 Accession Number: WOS:000644702400002 [2021 ISI Impact Factor: 2.46]	2.46		
4.16	Title: A hybrid composite for structural applications made of rubber waste tires and calcium phosphate cement Author(s): Huertas, CFR (Revelo Huertas, Carlos Fernando); Vieira, CMF (Fontes Vieira, Carlos Mauricio); Colorado, HA (Colorado, Henry A.) Source: INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY Volume: 18 Issue: 4 Pages: 1342-1353 DOI: 10.1111/ijac.13747 Early Access Date: APR 2021 Published: JUL 2021 Accession Number: WOS:000643151000001 [2021 ISI Impact Factor: 2.328]	2.328		
4.17	Title: Experimental Investigation and a Predictive Model of the Strength Evolution of Rubberized Cementitious Materials Based on the Virtual Pore Method Author(s): Zhou, JK (Zhou, Jikai); Jin, S (Jin, Song); Sun, L (Sun, Lu) Source: JOURNAL OF MATERIALS IN CIVIL ENGINEERING Volume: 33 Issue: 3 Article Number: 04020499 DOI: 10.1061/(ASCE)MT.1943-5533.0003617 Published: MAR 1 2021 Accession Number: WOS:000634784300007 [2021 ISI Impact Factor: 3.651]	3.651		

4.18	<p>Title: Properties of concrete with untreated and treated crumb rubber - A review Author(s): Assaggaf, RA (Assaggaf, Rida Alwi); Ali, MR (Ali, Mohammed Rizwan); Al-Dulajjan, SU (Al-Dulajjan, Salah Uthman); Maslehuddin, M (Maslehuddin, Mohammed) Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 11 Pages: 1753-1798 DOI: 10.1016/j.jmrt.2021.02.019 Early Access Date: FEB 2021 Published: MAR-APR 2021 Accession Number: WOS:000640316300011 [2021 ISI Impact Factor: 6.267]</p>	6.267		
4.19	<p>Title: Research on the properties of rubber concrete containing surface-mounted rubber powders Author(s): He, L (He, Liang); Cai, HD (Cai, Haodong); Huang, Y (Huang, Yong); Ma, Y (Ma, Yu); van den Bergh, W (van den Bergh, Wim); Gaspar, L (Gaspar, Laszlo); Valentin, J (Valentin, Jan); Vasiliev, YE (Vasiliev, Yuri Emmanuilovich); Kowalski, KJ (Kowalski, Karol J.); Zhang, JH (Zhang, Junhui) Source: JOURNAL OF BUILDING ENGINEERING Volume: 35 Article Number: 101991 DOI: 10.1016/j.jobe.2020.101991 Early Access Date: JAN 2021 Published: MAR 2021 Accession Number: WOS:000618183400003 [2021 ISI Impact Factor: 7.144]</p>	7.144		
4.20	<p>Title: Chemical and Physical Behavior of Rubberized Concrete: A Review Author(s): Musarat, MA (Musarat, Muhammad Ali); Alaloul, WS (Alaloul, Wesam Salah); Ayub, S (Ayub, Saba); Rabbani, MBA (Rabbani, Muhammad Babar Ali); Farooq, W (Farooq, Waqas); Altaf, M (Altaf, Muhammad) Book Group Author(s): IEEE Source: 2021 INTERNATIONAL CONFERENCE ON DECISION AID SCIENCES AND APPLICATION (DASA) DOI: 10.1109/DASA53625.2021.9682385 Published: 2021 Accession Number: WOS:000779330100082</p>	0		
4.21	<p>Title: Acoustic Properties of Innovative Concretes: A Review Author(s): Fediuk, R (Fediuk, Roman); Amran, M (Amran, Mugahed); Vatin, N (Vatin, Nikolai); Vasilev, Y (Vasilev, Yuriy); Lesovik, V (Lesovik, Valery); Ozbakkaloglu, T (Ozbakkaloglu, Togay) Source: MATERIALS Volume: 14 Issue: 2 Article Number: 398 DOI: 10.3390/ma14020398 Published: JAN 2021 Accession Number: WOS:000611365700001 [2021 ISI Impact Factor: 3.748]</p>	3.748		
4.22	<p>Title: Review on electromagnetic wave absorbing capacity improvement of cementitious materials Author(s): Ma, GW (Ma, Guowei); Sun, JB (Sun, Junbo); Aslani, F (Aslani, Farhad); Huang, YM (Huang, Yimiao); Jiao, FY (Jiao, Fengyu) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 262 Article Number: 120907 DOI: 10.1016/j.conbuildmat.2020.120907 Published: NOV 30 2020 Accession Number: WOS:000582531500247 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.23	<p>Title: Experimental studies of thermal and acoustic properties of recycled aggregate crumb rubber concrete Author(s): Wang, JQ (Wang, Junqiang); Du, B (Du, Bin) Source: JOURNAL OF BUILDING ENGINEERING Volume: 32 Article Number: 101836 DOI: 10.1016/j.jobe.2020.101836 Published: NOV 2020 Accession Number: WOS:000588052000263 [2021 ISI Impact Factor: 7.144]</p>	7.144		
4.24	<p>Title: Electromagnetic wave absorbing performance of 3D printed wave-shape copper solid cementitious element Author(s): Sun, JB (Sun, Junbo); Huang, YM (Huang, Yimiao); Aslani, F (Aslani, Farhad); Ma, GW (Ma, Guowei) Source: CEMENT & CONCRETE COMPOSITES Volume: 114 Article Number: 103789 DOI: 10.1016/j.cemconcomp.2020.103789 Published: NOV 2020 Accession Number: WOS:000579761600056 [2021 ISI Impact Factor: 9.93]</p>	9.93		
4.25	<p>Title: Preliminary Mechanical Analysis of Rubber-Cement Composites Suitable for Additive Process Construction Author(s): Sambucci, M (Sambucci, Matteo); Marini, D (Marini, Danilo); Sibai, A (Sibai, Abbas); Valente, M (Valente, Marco) Source: JOURNAL OF COMPOSITES SCIENCE Volume: 4 Issue: 3 Article Number: 120 DOI: 10.3390/jcs4030120 Published: SEP 2020 Accession Number: WOS:000582116800001</p>	0		
4.26	<p>Title: Multi-Physics Analysis for Rubber-Cement Applications in Building and Architectural Fields: A Preliminary Analysis Author(s): Valente, M (Valente, Marco); Sambucci, M (Sambucci, Matteo); Sibai, A (Sibai, Abbas); Musacchi, E (Musacchi, Ettore) Source: SUSTAINABILITY Volume: 12 Issue: 15 Article Number: 5993 DOI: 10.3390/su12155993 Published: AUG 2020 Accession Number: WOS:000559021700001 [2021 ISI Impact Factor: 3.889]</p>	3.889		
4.27	<p>Title: Sound absorption performance of modified concrete: A review Author(s): Tie, TS (Tie, Tzer Sheng); Mo, KH (Mo, Kim Hung); Putra, A (Putra, Azma); Loo, SC (Loo, Siaw Chuang); Alengaram, UJ (Alengaram, U. Johnson); Ling, TC (Ling, Tung-chai) Source: JOURNAL OF BUILDING ENGINEERING Volume: 30 Article Number: 101219 DOI: 10.1016/j.jobe.2020.101219 Published: JUL 2020 Accession Number: WOS:000540229800011 [2021 ISI Impact Factor: 7.144]</p>	7.144		

4.28	<p>Title: Recycling waste rubber tyres in construction materials and associated environmental considerations: A review Author(s): Mohajerani, A (Mohajerani, Abbas); Burnett, L (Burnett, Lucas); Smith, JV (Smith, John, V); Markovski, S (Markovski, Stefan); Rodwell, G (Rodwell, Glen); Rahman, MT (Rahman, Md Tareq); Kurmus, H (Kurmus, Halenur); Mirzababaei, M (Mirzababaei, Mehdi); Arulrajah, A (Arulrajah, Arul); Horpibulsuk, S (Horpibulsuk, Suksun); Maghool, F (Maghool, Farshid) Source: RESOURCES CONSERVATION AND RECYCLING Volume: 155 Article Number: 104676 DOI: 10.1016/j.resconrec.2019.104679 Published: APR 2020 Accession Number: WOS:000540558400050 [2021 ISI Impact Factor: 13.716]</p>	13.716		
4.29	<p>Title: Application of Response Surface Methodology to Optimize the Preparation of Rubber Foam Composite as Sound-Absorbing Material Using Scrap Rubber Powder Author(s): Zhang, XF (Zhang Xiangfeng); Zhang, J (Zhang Jia); Cheng, ZQ (Cheng Ziqiao) Source: JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION Volume: 34 Issue: 6 Pages: 1376-1383 DOI: 10.1007/s11595-019-2202-z Published: DEC 2019 Accession Number: WOS:000528806300019 [2021 ISI Impact Factor: 1.271]</p>	1.271		
4.30	<p>Title: Potential use of waste tire rubber as aggregate in cement concrete - A comprehensive review Author(s): Li, Y (Li, Yang); Zhang, S (Zhang, Shuai); Wang, RJ (Wang, Ruijun); Dang, FN (Dang, Faning) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 225 Pages: 1183-1201 DOI: 10.1016/j.conbuildmat.2019.07.198 Published: NOV 20 2019 Accession Number: WOS:000488305700100 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.31	<p>Title: Rubber and plastic wastes as alternative refused fuel in cement industry Author(s): Hashem, FS (Hashem, Fayza S.); Razeq, TA (Razeq, Taha A.); Mashout, HA (Mashout, Hani A.) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 212 Pages: 275-282 DOI: 10.1016/j.conbuildmat.2019.03.316 Published: JUL 10 2019 Accession Number: WOS:000471358200027 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.32	<p>Title: Influence of the addition of rubber fibers from end-of-life tires on plaster mortars: Study of mechanical, thermal and acoustic properties Author(s): Lozano-Diez, RV (Lozano-Diez, Rafael-Vicente); Lopez-Zaldivar, O (Lopez-Zaldivar, Oscar); Herrero-del-Cura, S (Herrero-del-Cura, Sofia); Mayor-Lobo, P (Mayor-Lobo, Pablo); Hernandez-Olivares, F (Hernandez-Olivares, Francisco) Source: DYNA Volume: 94 Issue: 4 Pages: 460-464 DOI: 10.6036/9020 Published: JUL 2019 Accession Number: WOS:000484374100028 [2021 ISI Impact Factor: 2.07]</p>	2.07		
4.33	<p>Title: Alkali activated materials based on glass waste and slag for thermal and acoustic insulation Author(s): Stoleriu, S (Stoleriu, S.); Vlasceanu, IN (Vlasceanu, I. N.); Dima, C (Dima, C.); Badanoiu, AI (Badanoiu, A., I); Voicu, G (Voicu, G.) Source: MATERIALES DE CONSTRUCCION Volume: 69 Issue: 335 Article Number: e194 DOI: 10.3989/mc.2019.08518 Published: JUL-SEP 2019 Accession Number: WOS:000482181100005 [2021 ISI Impact Factor: 2.133]</p>	2.133		
4.34	<p>Title: Influence of Tire Derived Aggregates as Alternative Fine Aggregates on Engineering Properties of Low Strength Concrete Author(s): Li, ZH (Li, Zhaohui); Shi, JX (Shi, Jianxun); Wei, MQ (Wei, Mingqiang); Xuan, JJ (Xuan, Junjie) Edited by: Zhan L; Chen Y; Bouazza A Source: PROCEEDINGS OF THE 8TH INTERNATIONAL CONGRESS ON ENVIRONMENTAL GEOTECHNICS, VOL 1: TOWARDS A SUSTAINABLE GEOENVIRONMENT Book Series: Environmental Science and Engineering Book Series Subtitle: Environmental Engineering Pages: 359-366 DOI: 10.1007/978-981-13-2221-1_36 Published: 2019 Accession Number: WOS:000607209700036</p>	0		
4.35	<p>Title: Considerations on sound absorption coefficient of sustainable concrete with different waste replacements Author(s): Oancea, I (Oancea, Irina); Bujoreanu, C (Bujoreanu, Carmen); Budescu, M (Budescu, Mihai); Benchea, M (Benchea, Marcelin); Gradinaru, CM (Gradinaru, Catalina Mihaela) Source: JOURNAL OF CLEANER PRODUCTION Volume: 203 Pages: 301-312 DOI: 10.1016/j.jclepro.2018.08.273 Published: DEC 1 2018 Accession Number: WOS:000447568700023 [2021 ISI Impact Factor: 11.072] ISSN: 0959-6526, eISSN: 1879-1786</p>	11.072		
4.36	<p>Title: Performance of rubberised reinforced concrete members under cyclic loading Author(s): Elghazouli, AY (Elghazouli, A. Y.); Bompa, DV (Bompa, D. V.); Xu, B (Xu, B.); Ruiz-Teran, AM (Ruiz-Teran, A. M.); Stafford, PJ (Stafford, P. J.) Source: ENGINEERING STRUCTURES Volume: 166 Pages: 526-545 DOI: 10.1016/j.engstruct.2018.03.090 Published: JUL 1 2018 Accession Number: WOS:000433268500039 [2021 ISI Impact Factor: 5.582]</p>	5.582		
4.37	<p>Title: Rubbercrete mixture optimization using response surface methodology Author(s): Mohammed, BS (Mohammed, Bashar S.); Khed, VC (Khed, Veerendrakumar C.); Nuruddin, MF (Nuruddin, Muhd Fadhil) Source: JOURNAL OF CLEANER PRODUCTION Volume: 171 Pages: 1605-1621 DOI: 10.1016/j.jclepro.2017.10.102 Published: JAN 10 2018 Accession Number: WOS:000418978100140 [2021 ISI Impact Factor: 11.072]</p>	11.072		

4.38	<p>Title: Effects of different crumb rubber sizes on the flowability and compressive strength of hybrid fibre reinforced ECC</p> <p>Author(s): Khed, VC (Khed, Veerendrakumar C.); Mohammed, BS (Mohammed, Bashar S.); Nuruddin, MF (Nuruddin, Muhd Fadhil)</p> <p>Book Group Author(s): IOP</p> <p>Source: 4TH INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING FOR SUSTAINABILITY (ICONCEES 2017) Book Series: IOP Conference Series-Earth and Environmental Science Volume: 140 Article Number: 012137 DOI: 10.1088/1755-1315/140/1/012137 Published: 2018</p> <p>Accession Number: WOS:000454977100137</p>	0		
4.39	<p>Title: COMPOSITE MATERIALS BASED ON GYPSUM PLASTER AND INDUSTRIAL WASTE</p> <p>Author(s): Dima, C (Dima (Vaduva), Cristina); Badanoiu, A (Badanoiu, Alina); Stoleriu, S (Stoleriu, Stefania); Danes, C (Danes, Cristiana)</p> <p>Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 48 Issue: 2 Pages: 147-153 Published: 2018</p> <p>Accession Number: WOS:000435472300001 [2021 ISI Impact Factor: 0.628]</p>	0.628		
4.40	<p>Title: PARTICULARITIES REGARDING THE MECHANICAL BEHAVIOUR OF SOME TYPES OF SUSTAINABLE CONCRETE MIXES WITH WASTE MATERIALS</p> <p>Author(s): Stefan, I (Stefan (Oancea), Irina); Barbuta, M (Barbuta, Marinela); Budescu, M (Budescu, Mihai); Mihai, P (Mihai, Petru); Banu, OM (Banu, Oana Mihaela); Taranu, N (Taranu, Nicolae)</p> <p>Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 48 Issue: 2 Pages: 236-244 Published: 2018</p> <p>Accession Number: WOS:000435472300014 [2021 ISI Impact Factor: 0.628]</p>	0.628		
4.41	<p>Title: Technical note on sorption and permeability of concrete containing rubber and quartz sandstone aggregates</p> <p>Author(s): Kumar, S (Kumar, Sanjeev); Sharma, AK (Sharma, Ajay Kumar); Sherawat, D (Sherawat, Deepak); Dutt, M (Dutt, Mohit); Gupta, RC (Gupta, Ramesh Chandra)</p> <p>Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 145 Pages: 311-317 DOI: 10.1016/j.conbuildmat.2017.04.022 Published: AUG 1 2017</p> <p>Accession Number: WOS:000401876800032 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.42	<p>Title: Experimental assessment and constitutive modelling of rubberised concrete materials</p> <p>Author(s): Bompa, DV (Bompa, D. V.); Elghazouli, AY (Elghazouli, A. Y.); Xu, B (Xu, B.); Stafford, PJ (Stafford, P. J.); Ruiz-Teran, AM (Ruiz-Teran, A. M.)</p> <p>Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 137 Pages: 246-260 DOI: 10.1016/j.conbuildmat.2017.01.086 Published: APR 15 2017</p> <p>Accession Number: WOS:000395602200024 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.43	<p>Title: Development of a fly ash-based geopolymeric concrete with construction and demolition wastes as aggregates in acoustic barriers</p> <p>Author(s): Arenas, C (Arenas, C.); Luna-Galiano, Y (Luna-Galiano, Y.); Leiva, C (Leiva, C.); Vilches, LF (Vilches, L. F.); Arroyo, F (Arroyo, F.); Villegas, R (Villegas, R.); Fernandez-Pereira, C (Fernandez-Pereira, C.)</p> <p>Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 134 Pages: 433-442 DOI: 10.1016/j.conbuildmat.2016.12.119 Published: MAR 1 2017</p> <p>Accession Number: WOS:000393726700044 [2021 ISI Impact Factor: 7.693]</p>	7.693		
4.44	<p>Title: USE OF WASTES FROM TITANIUM INDUSTRY AS ALTERNATIVE AGGREGATE TO PORTLAND CEMENT MORTARS</p> <p>Author(s): Barbulescu, L (Barbulescu, Laura); Badanoiu, A (Badanoiu, Alina); Nicoara, A (Nicoara, Adrian); Pirvu, C (Pirvu, Cristian)</p> <p>Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 47 Issue: 1 Pages: 16-23 Published: 2017</p> <p>Accession Number: WOS:000396979900002 [2021 ISI Impact Factor: 0.628]</p>	0.628		
5	<p>Tiuc A.E., Vermeşan H., Gabor T., Vasile O., "Improved Sound Absorption Properties of Polyurethane Foam Mixed with Textile Waste", Sustainable Solutions for Energy and Environment, EENVIRO - YRC 2015; Bucharest; Romania; 18 November 2015 through 20 November 2015; Code 123288, Energy Procedia, Volume 85, 2016, Pages 559-565. (Thomson - Web of Science) WOS: 000377911100068, CITAT ÎN:</p>	69		
5.1	<p>Title: Investigation and evaluation of the performance of interior finishing panels made from denim textile waste</p> <p>Author(s): Juciene, M (Juciene, Milda); Dobilaitė, V (Dobilaitė, Vaida); Albrektas, D (Albrektas, Darius); Bliudzius, R (Bliudzius, Raimondas)</p> <p>Source: TEXTILE RESEARCH JOURNAL DOI: 10.1177/00405175221109636 Early Access Date: JUN 2022</p> <p>Accession Number: WOS:000822263300001 [2021 ISI Impact Factor: 2.455]</p>	2.455		
5.2	<p>Title: Mechanical, acoustic and vibration performance of intra-ply kevlar/epoxy hybrid composites. Effects of different weaving patterns</p> <p>Author(s): Jeyaguru, S (Jeyaguru, Sangilimuthukumar); Thiagamani, SMK (Thiagamani, Senthil Muthu Kumar); Pulikkalparambil, H (Pulikkalparambil, Harikrishnan); Siengchin, S (Siengchin, Suchart); Subramaniam, J (Subramaniam, Jeyanthi); Rangappa, SM (Rangappa, Sanjay Mavinkere); Muthukumar, C (Muthukumar, Chandrasekar); Krishnasamy, S (Krishnasamy, Senthilkumar)</p> <p>Source: POLYMER COMPOSITES Volume: 43 Issue: 6 Pages: 3902-3914 DOI: 10.1002/pc.26665 Early Access Date: APR 2022 Published: JUN 2022</p> <p>Accession Number: WOS:000782781100001 [2021 ISI Impact Factor: 3.531]</p>	3.531		

5.3	<p>Title: A low-cost vibration isolation chamber-Making high precision experiments accessible</p> <p>Author(s): Vestad, H (Vestad, Havard); Steinert, M (Steinert, Martin)</p> <p>Source: HARDWAREX Volume: 11 Article Number: e00264 DOI: 10.1016/j.ohx.2022.e00264 Published: APR 2022</p> <p>Accession Number: WOS:000793766600002</p>	0		
5.4	<p>Title: The review of fiber-based sound-absorbing structures</p> <p>Author(s): Zhang, CC (Zhang, Chunchun); Li, HQ (Li, Huiqin); Gong, JX (Gong, Jixian); Chen, JH (Chen, Jiahao); Li, Z (Li, Zheng); Li, QJ (Li, Qiuji); Cheng, ML (Cheng, Meilin); Li, X (Li, Xin); Zhang, JF (Zhang, Jianfei)</p> <p>Source: TEXTILE RESEARCH JOURNAL Article Number: 00405175221084736 DOI: 10.1177/00405175221084736 Early Access Date: MAR 2022</p> <p>Accession Number: WOS:000778045700001 [2021 ISI Impact Factor: 2.455]</p>	2.455		
5.5	<p>Title: Study on sound absorption performance of resonance structure for aluminum-polyurethane foam composite and plexiglass</p> <p>Author(s): Yuan, BX (Yuan, Binxia); Fang, XY (Fang, Xinyi); Liu, JB (Liu, Jianben); Zhu, R (Zhu, Rui); Cao, L (Cao, Lan)</p> <p>Source: JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL Article Number: 14613484211069807 DOI: 10.1177/14613484211069807 Early Access Date: MAR 2022</p> <p>Accession Number: WOS:000769381300001 [2021 ISI Impact Factor: 2.18]</p>	2.18		
5.6	<p>Title: Textile-based directionally antagonistic sound absorber with double gradient structure</p> <p>Author(s): Zhang, CC (Zhang, Chunchun); Li, HQ (Li, Huiqin); Gong, JX (Gong, Jixian); Chen, JH (Chen, Jiahao); Li, Z (Li, Zheng); Li, QJ (Li, Qiuji); Cheng, ML (Cheng, Meilin); Zhang, JF (Zhang, Jianfei)</p> <p>Source: TEXTILE RESEARCH JOURNAL Article Number: 00405175211073776 DOI: 10.1177/00405175211073776 Early Access Date: MAR 2022</p> <p>Accession Number: WOS:000769792600001 [2021 ISI Impact Factor: 2.455]</p>	2.455		
5.7	<p>Title: Improved sound absorption performance of synthetic fiber materials for industrial noise reduction: a review</p> <p>Author(s): Liang, MT (Liang, Mengtao); Wu, HG (Wu, Huagen); Liu, JK (Liu, Jiankang); Shen, YQ (Shen, Yuqi); Wu, GH (Wu, Guanghua)</p> <p>Source: JOURNAL OF POROUS MATERIALS Volume: 29 Issue: 3 Pages: 869-892 DOI: 10.1007/s10934-022-01219-z Early Access Date: MAR 2022 Published: JUN 2022</p> <p>Accession Number: WOS:000764906500001 [2021 ISI Impact Factor: 2.523]</p>	2.523		
5.8	<p>Title: Techno-economic-environmental characteristics of polyurethane composite to thermal insulation for building with flame resistance: corroborative effect recycled of PVC and aluminum oxide</p> <p>Author(s): Hipolito, VL (Hipolito, Victor Leibnitz); Amorim, VA (Amorim, Vanessa Amorim); Gleize, PJP (Paul Gleize, Philippe Jean); Giroto, E (Giroto, Edivandro); Cruz, A (Cruz Junior, Americo); Benavides, R (Benavides, Roberto); Sanchez, S (Sanchez, Saul); da Silva, L (da Silva, Luciano); Magnago, RF (Magnago, Rachel Faverzani)</p> <p>Source: JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT Volume: 24 Issue: 2 Pages: 452-465 DOI: 10.1007/s10163-021-01326-0 Early Access Date: FEB 2022 Published: MAR 2022</p> <p>Accession Number: WOS:000752176700001 [2021 ISI Impact Factor: 3.579]</p>	3.579		
5.9	<p>Title: Acoustic Performance and Flame Retardancy of Ammonium Polyphosphate/Diethyl Ethylenediamine Rigid Polyurethane Foams</p> <p>Author(s): Zhang, HP (Zhang, Huiping); Lyu, X (Lyu, Xiongxi); Huang, ZJ (Huang, Zijun); Yan, Y (Yan, Ying)</p> <p>Source: POLYMERS Volume: 14 Issue: 3 Article Number: 420 DOI: 10.3390/polym14030420 Published: FEB 2022</p> <p>Accession Number: WOS:000755300100001 [2021 ISI Impact Factor: 4.967]</p>	4.967		
5.10	<p>Title: Recycling of 100% Cotton Fabric Waste to Produce Unsaturated Polyester-Based Composite for False Ceiling Board Application</p> <p>Author(s): Gedif, B (Gedif, Biruk); Atalie, D (Atalie, Desalegn)</p> <p>Source: INTERNATIONAL JOURNAL OF POLYMER SCIENCE Volume: 2022 Article Number: 2710000 DOI: 10.1155/2022/2710000 Published: JAN 27 2022</p> <p>Accession Number: WOS:000772920600002 [2021 ISI Impact Factor: 2.973]</p>	2.973		
5.11	<p>Title: Sound-absorbing porous materials: a review on polyurethane-based foams</p> <p>Author(s): Rastegar, N (Rastegar, Niloofar); Ershad-Langroudi, A (Ershad-Langroudi, Amir); Parsimehr, H (Parsimehr, Hamidreza); Moradi, G (Moradi, Gholamreza)</p> <p>Source: IRANIAN POLYMER JOURNAL Volume: 31 Issue: 1 Special Issue: SI Pages: 83-105 DOI: 10.1007/s13726-021-01006-8 Early Access Date: JAN 2022 Published: JAN 2022</p> <p>Accession Number: WOS:000742255200001 [2021 ISI Impact Factor: 2.485]</p>	2.485		
5.12	<p>Title: The Acoustic Performance of Expanded Perlite Composites Reinforced with Rapeseed Waste and Natural Polymers</p> <p>Author(s): Nastac, S (Nastac, Silviu); Nechita, P (Nechita, Petronela); Debeleac, C (Debeleac, Carmen); Simionescu, C (Simionescu, Cristian); Seciureanu, M (Seciureanu, Mihai)</p> <p>Source: SUSTAINABILITY Volume: 14 Issue: 1 Article Number: 103 DOI: 10.3390/su14010103 Published: JAN 2022</p> <p>Accession Number: WOS:000758562600001 [2021 ISI Impact Factor: 3.889]</p>	3.889		

5.13	Title: Properties of textile air conditioner waste dust-filled polyurethane rigid foam composite: Author(s): Buzgan, EBO (Buzgan, E. B. Ozkan); Kaya, G (Kaya, G.); Kertmen, M (Kertmen, M.); Turksoy, HG (Turksoy, H. G.) Source: PLASTICS RUBBER AND COMPOSITES Volume: 51 Issue: 7 Pages: 352-362 DOI: 10.1080/14658011.2021.1993677 Early Access Date: OCT 2021 Published: AUG 9 2022 Accession Number: WOS:00071135100001 [2021 ISI Impact Factor: 1.843]	1.843		
5.14	Title: New waste-based composite material for construction applications Author(s): Ailenei, EC (Ailenei, Eugen Constantin); Ionesi, SD (Ionesi, Savin Dorin); Dulgheriu, I (Dulgheriu, Ionut); Loghin, MC (Loghin, Maria Carmen); Isopescu, DN (Isopescu, Dorina Nicolina); Maxineasa, SG (Maxineasa, Sebastian George); Baci, IR (Baci, Ioana-Roxana) Source: MATERIALS Volume: 14 Issue: 20 Article Number: 6079 DOI: 10.3390/ma14206079 Published: OCT 2021 Accession Number: WOS:000714617700001 [2021 ISI Impact Factor: 3.748]	3.748		
5.15	Title: Influence of flame retardant impregnation on acoustic and thermophysical properties of recycled technical textiles with the potential for use in wooden buildings Author(s): Danihelova, A (Danihelova, Anna); Scensny, P (Scensny, Patrik); Gergel, T (Gergel, Tomas); Ondrejka, V (Ondrejka, Vojtech); Neme, M (Neme, Miroslav); Igaz, R (Igaz, Rastislav); Stefko, J (Stefko, Jozef); Mitterova, I (Mitterova, Iveta) Source: POLYMERS Volume: 13 Issue: 16 Article Number: 2598 DOI: 10.3390/polym13162598 Published: AUG 2021 Accession Number: WOS:000690038400001 [2021 ISI Impact Factor: 4.967]	4.967		
5.16	Title: A textile waste fiber-reinforced cement composite: Comparison between short random fiber and textile reinforcement Author(s): Sadrolodabae, P (Sadrolodabae, Payam); Claramunt, J (Claramunt, Josep); Ardanuy, M (Ardanuy, Monica); de la Fuente, A (de la Fuente, Albert) Source: MATERIALS Volume: 14 Issue: 13 Article Number: 3742 DOI: 10.3390/ma14133742 Published: JUL 2021 Accession Number: WOS:000671053800001 [2021 ISI Impact Factor: 3.748]	3.748		
5.17	Title: Utilization and Study of Raw Groundnut Shell as a Source of Sound Absorbing Material Author(s): Malawade, UA (Malawade, Ulhas A.); Malgaonkar, VV (Malgaonkar, Vishvesh V.); Badadhe, AM (Badadhe, Avinash M.); Jadhav, MG (Jadhav, Madhavrao G.) Source: JOURNAL OF NATURAL FIBERS DOI: 10.1080/15440478.2021.1916673 Early Access Date: MAY 2021 Accession Number: WOS:000648781200001 [2021 ISI Impact Factor: 3.507]	3.507		
5.18	Title: Upcycling textile wastes: challenges and innovation: Author(s): Kamble, Z (Kamble, Zunjarrao); Behera, BK (Behera, Bijoya Kumar) Source: TEXTILE PROGRESS Volume: 53 Issue: 2 Pages: 65-122 DOI: 10.1080/00405167.2021.1986965 Published: APR 3 2021 Accession Number: WOS:000740851800001	0		
5.19	Title: Eco-friendly polymer composites: A review of suitable methods for waste management Author(s): Cabrera, FC (Cabrera, Flavio C.) Source: POLYMER COMPOSITES Volume: 42 Issue: 6 Pages: 2653-2677 DOI: 10.1002/pc.26033 Early Access Date: MAR 2021 Published: JUN 2021 Accession Number: WOS:000632593500001 [2021 ISI Impact Factor: 3.531]	3.531		
5.20	Title: Design & development of durable low cost housing from glass fiber composite: Author(s): Ramana, MV (Ramana, Venkata M.); Rao, GV (Rao, G., V.); Rao, BS (Rao, Shankar B.); Prasad, BS (Prasad, Shiva B.) Source: MATERIALS TODAY-PROCEEDINGS Volume: 38 Pages: 3205-3212 DOI: 10.1016/j.matpr.2020.09.649 Early Access Date: MAR 2021 Part: 5 Published: 2021 Accession Number: WOS:000629664100168	0		
5.21	Title: The impact of ground tire rubber oxidation with H ₂ O ₂ and KMnO ₄ on the structure and performance of flexible polyurethane/ground tire rubber composite foams Author(s): Hejna, A (Hejna, Aleksander); Olszewski, A (Olszewski, Adam); Zedler, L (Zedler, Lukasz); Kosmela, P (Kosmela, Paulina); Formela, K (Formela, Krzysztof) Source: MATERIALS Volume: 14 Issue: 3 Article Number: 499 DOI: 10.3390/ma14030499 Published: FEB 2021 Accession Number: WOS:000615417200001 [2021 ISI Impact Factor: 3.748]	3.748		
5.22	Title: Rice plant waste reinforced polyurethane composites for use as the acoustic absorption material Author(s): Olcay, H (Olcay, Hilal); Kocak, ED (Kocak, Emine Dilara) Source: APPLIED ACOUSTICS Volume: 173 Article Number: 107733 DOI: 10.1016/j.apacoust.2020.107733 Published: FEB 2021 Accession Number: WOS:000595628100042 [2021 ISI Impact Factor: 3.614]	3.614		
5.23	Title: Characterization of a textile waste nonwoven fabric reinforced cement composite for non-structural building components Author(s): Sadrolodabae, P (Sadrolodabae, Payam); Claramunt, J (Claramunt, Josep); Ardanuy, M (Ardanuy, Monica); de la Fuente, A (de la Fuente, Albert) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 276 Article Number: 122179 DOI: 10.1016/j.conbuildmat.2020.122179 Early Access Date: JAN 2021 Published: MAR 22 2021 Accession Number: WOS:000634522000017 [2021 ISI Impact Factor: 7.693]	7.693		

5.24	<p>Title: Mechanical and durability characterization of a new textile waste micro-fiber reinforced cement composite for building applications Author(s): Sadrolodabae, P (Sadrolodabae, Payam); Claramunt, J (Claramunt, Josep); Ardanuy, M (Ardanuy, Monica); de la Fuente, A (de la Fuente, Albert) Source: CASE STUDIES IN CONSTRUCTION MATERIALS Volume: 14 Article Number: e00492 DOI: 10.1016/j.cscm.2021.e00492 Early Access Date: JAN 2021 Published: JUN 2021 Accession Number: WOS:000656850100021 [2021 ISI Impact Factor: 4.934]</p>	4.934		
5.25	<p>Title: COMPOSITES OF RIGID POLYURETHANE FOAM AND SHREDDED CAR WINDOW GLASS PARTICLES-STRUCTURE AND MECHANICAL PROPERTIES Author(s): Smolen, J (Smolen, Jakub); Olszowska, K (Olszowska, Karolina); Godzierz, M (Godzierz, Marcin) Source: COMPOSITES THEORY AND PRACTICE Volume: 21 Issue: 4 Pages: 135-140 Published: 2021 Accession Number: WOS:000750975600003</p>	0		
5.26	<p>Title: Impact of Layout Sequence of the Natural and Synthetic Adsorbents in Double-Layered Composites on Improving the Natural Fiber Acoustic Performance Using the Numerical Finite Element Method Author(s): Keyvani, S (Keyvani, Sepideh); Esmailpour, MM (Esmailpour, Mohammadreza Monazzam); Fasih-Ramandi, F (Fasih-Ramandi, Fatemeh); Asour, AA (Asour, Akbar Ahmadi); Kolahdouzi, M (Kolahdouzi, Malihe); Hashemi, Z (Hashemi, Zahra) Source: JOURNAL OF HEALTH AND SAFETY AT WORK Volume: 11 Issue: 3 Pages: 368-383 Published: 2021 Accession Number: WOS:000699330400001</p>	0		
5.27	<p>Title: Evaluation of Nonuniformity of Elastic Properties of Sheets Made from Closed-Cell Polyolefin Foams by Acoustic Method Author(s): Bogdan, OP (Bogdan, O. P.); Zlobin, DV (Zlobin, D., V); Murav'eva, OV (Murav'eva, O., V); Molin, SM (Molin, S. M.); Platunov, AV (Platunov, A., V) Source: DEVICES AND METHODS OF MEASUREMENTS Volume: 12 Issue: 1 Pages: 58-66 DOI: 10.21122/2220-9506-2021-12-1-58-66 Published: 2021 Accession Number: WOS:000644226100007</p>	0		
5.28	<p>Title: Eco-Sustainability of the Textile Production: Waste Recovery and Current Recycling in the Composites World Author(s): Patti, A (Patti, Antonella); Cicala, G (Cicala, Gianluca); Acierno, D (Acierno, Domenico) Source: POLYMERS Volume: 13 Issue: 1 Article Number: 134 DOI: 10.3390/polym13010134 Published: JAN 2021 Accession Number: WOS:000606129300001 [2021 ISI Impact Factor: 4.967]</p>	4.967		
5.29	<p>Title: Bio-based Rigid Polyurethane Foam Prepared from Apricot Stone Shell-based Polyol for Thermal Insulation Application-Part 2: Morphological, Mechanical, and Thermal Properties Author(s): Fidan, MS (Fidan, Muhammed Said); Ertas, M (Ertas, Murat) Source: BIORESOURCES Volume: 15 Issue: 3 Pages: 6080-6094 DOI: 10.15376/biores.15.3.6080-6094 Published: AUG 2020 Accession Number: WOS:000555791100002 [2021 ISI Impact Factor: 1.747]</p>	1.747		
5.30	<p>Title: Mechanical, acoustical and flammability properties of SBR and SBR-PU foam layered structure Author(s): Abdel-Hakim, A (Abdel-Hakim, A.); El-Basheer, TM (El-Basheer, Tarek M.); Abdelkhalik, A (Abdelkhalik, Aksam) Source: POLYMER TESTING Volume: 88 Article Number: 106536 DOI: 10.1016/j.polymertesting.2020.106536 Published: AUG 2020 Accession Number: WOS:000539615000012 [2021 ISI Impact Factor: 4.931]</p>	4.931		
5.31	<p>Title: Microstructure and performance characteristics of acoustic insulation materials from post-consumer recycled denim fabrics Author(s): Islam, S (Islam, Shafiqul); El Messiry, M (El Messiry, Magdy); Sikdar, PP (Sikdar, Partha Pratim); Seylar, J (Seylar, Joshua); Bhat, G (Bhat, Gajanan) Source: JOURNAL OF INDUSTRIAL TEXTILES Volume: 51 Issue: 4_SUPPL Pages: 6001S-6027S Article Number: 1528083720940746 DOI: 10.1177/1528083720940746 Early Access Date: JUL 2020 Supplement: 4_ Published: JUN 2022 Accession Number: WOS:000546331700001 [2021 ISI Impact Factor: 2.926]</p>	2.926		
5.32	<p>Title: Soundproofing performance of flexible polyurethane foams as a fractal object Author(s): Baghban, SA (Baghban, Sahar Abdollahi); Khorasani, M (Khorasani, Manouchehr); Sadeghi, GMM (Sadeghi, Gity Mir Mohamad) Source: JOURNAL OF POLYMER RESEARCH Volume: 27 Issue: 3 Article Number: 62 DOI: 10.1007/s10965-019-1992-1 Published: FEB 13 2020 Accession Number: WOS:000515807500002 [2021 ISI Impact Factor: 3.061]</p>	3.061		
5.33	<p>Title: Experimental investigations on the performances of Composite Building materials Based on industrial Crops and Volcanic Rocks Author(s): Istoan, R (Istoan, Raluca); Tamas-Gavrea, DR (Tamas-Gavrea, Daniela Roxana); Manea, DL (Manea, Daniela Lucia) Source: CRYSTALS Volume: 10 Issue: 2 Article Number: 102 DOI: 10.3390/cryst10020102 Published: FEB 2020 Accession Number: WOS:000519704700033 [2021 ISI Impact Factor: 2.67]</p>	2.67		

5.34	Title: Modification of Rigid Polyurethane Foams with the Addition of Nano-SiO ₂ or Lignocellulosic Biomass Author(s): Zhang, QQ (Zhang, Qinqin); Lin, XQ (Lin, Xiaoqi); Chen, WS (Chen, Weisheng); Zhang, H (Zhang, Heng); Han, DZ (Han, Dezhi) Source: POLYMERS Volume: 12 Issue: 1 Article Number: 107 DOI: 10.3390/polym12010107 Published: JAN 2020 Accession Number: WOS:000519848300107 [2021 ISI Impact Factor: 4.967]	4.967		
5.35	Title: Recent Advancement in Plant Oil Derived Polyol-Based Polyurethane Foam for Future Perspective: A Review Author(s): Singh, I (Singh, Indrajeet); Samal, SK (Samal, Sushanta K.); Mohanty, S (Mohanty, Smita); Nayak, SK (Nayak, Sanjay K.) Source: EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY Volume: 122 Issue: 3 Article Number: 1900225 DOI: 10.1002/ejlt.201900225 Early Access Date: DEC 2019 Published: MAR 2020 Accession Number: WOS:000504468200001 [2021 ISI Impact Factor: 3.196]	3.196		
5.36	Title: Use of municipal, agricultural, industrial, construction and demolition waste in thermal and sound building insulation materials: a review article Author(s): Massoudinejad, M (Massoudinejad, Mohamadreza); Amanidaz, N (Amanidaz, Nazak); Santos, RM (Santos, Rafael M.); Bakhshoodeh, R (Bakhshoodeh, Reza) Source: JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING Volume: 17 Issue: 2 Pages: 1227-1242 DOI: 10.1007/s40201-019-00380-z Published: DEC 2019 Accession Number: WOS:000514924000060 [2021 ISI Impact Factor: 3.433]	3.433		
5.37	Title: A review on the taxonomy, factors associated with sound absorption and theoretical modeling of porous sound absorbing materials Author(s): Kalauni, K (Kalauni, Kishor); Pawar, SJ (Pawar, S. J.) Source: JOURNAL OF POROUS MATERIALS Volume: 26 Issue: 6 Pages: 1795-1819 DOI: 10.1007/s10934-019-00774-2 Published: DEC 2019 Accession Number: WOS:000495414300022 [2021 ISI Impact Factor: 2.523]	2.523		
5.38	Title: Environmentally-friendly thermal and acoustic insulation materials from recycled textile Author(s): Islam, S (Islam, Shafiqul); Bhat, G (Bhat, Gajanan) Source: JOURNAL OF ENVIRONMENTAL MANAGEMENT Volume: 251 Article Number: 109536 DOI: 10.1016/j.jenvman.2019.109536 Published: DEC 1 2019 Accession Number: WOS:000494052300017 [2021 ISI Impact Factor: 8.91]	8.91		
5.39	Title: Quantitative Pore Characterization of Polyurethane Foam with Cost-Effective Imaging Tools and Image Analysis: A Proof-Of-Principle Study Author(s): Yunus, S (Yunus, Shemmira); Sefa-Ntiri, B (Sefa-Ntiri, Baah); Anderson, B (Anderson, Benjamin); Kumi, F (Kumi, Francis); Mensah-Amoah, P (Mensah-Amoah, Patrick); Sackey, SS (Sackey, Samuel Sonko) Source: POLYMERS Volume: 11 Issue: 11 Article Number: 1879 DOI: 10.3390/polym11111879 Published: NOV 2019 Accession Number: WOS:000503279200151 [2021 ISI Impact Factor: 4.967]	4.967		
5.40	Title: Sound Absorption Characteristics of Polyurethane and Polystyrene Foams as Inexpensive Acoustic Treatments Author(s): Sabbagh, M (Sabbagh, Mostafa); Elkhateeb, A (Elkhateeb, Ahmed) Source: ACOUSTICS AUSTRALIA Volume: 47 Issue: 3 Pages: 285-304 DOI: 10.1007/s40857-019-00168-z Early Access Date: OCT 2019 Published: DEC 2019 Accession Number: WOS:000491664600001 [2021 ISI Impact Factor: 1.891]	1.891		
5.41	Title: A sustainable bioenergy conversion strategy for textile waste with self-catalysts using mini-pyrolysis plant Author(s): Yousef, S (Yousef, Samy); Eimontas, J (Eimontas, Justas); Striugas, N (Striugas, Nerijus); Tatarants, M (Tatarants, Maksym); Abdelnaby, MA (Abdelnaby, Mohammed Ali); Tuckute, S (Tuckute, Simona); Kliucininkas, L (Kliucininkas, Linas) Source: ENERGY CONVERSION AND MANAGEMENT Volume: 196 Pages: 688-704 DOI: 10.1016/j.enconman.2019.06.050 Published: SEP 15 2019 Accession Number: WOS:000484881400053 [2021 ISI Impact Factor: 11.533]	11.533		
5.42	Title: Open-Cell Rigid Polyurethane Foams from Peanut Skin-Derived Polyols Prepared under Different Post Processing Conditions Author(s): Zhang, GY (Zhang, Guangyu); Wu, YM (Wu, Yumin); Chen, WS (Chen, Weisheng); Han, DZ (Han, Dezhi); Lin, XQ (Lin, Xiaoqi); Xu, GC (Xu, Gongchen); Zhang, QQ (Zhang, Qinqin) Source: POLYMERS Volume: 11 Issue: 9 Article Number: 1392 DOI: 10.3390/polym11091392 Published: SEP 2019 Accession Number: WOS:000489104300018 [2021 ISI Impact Factor: 4.967]	4.967		
5.43	Title: Experimental and finite element approach for finding sound absorption coefficient of bio-based foam Author(s): Yuvarai, L (Yuvarai, L.); Jeyanthi, S (Jeyanthi, S.); Chinnapandi, LBM (Chinnapandi, Lenin Babu Mailan) Source: JOURNAL OF VIBROENGINEERING Volume: 21 Issue: 6 Pages: 1761-1771 DOI: 10.21595/jve.2019.20335 Published: SEP 2019 Accession Number: WOS:000488761000020	0		

5.44	<p>Title: Reinforced magnetic polyurethane rigid (PUR) foam nanocomposites and investigation of thermal, mechanical, and sound absorption properties Author(s): Moghaddam, ST (Moghaddam, Sahebeh Tamaddoni); Naimi-Jamal, MR (Naimi-Jamal, Mohammad Reza) Source: JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS Volume: 32 Issue: 9 Pages: 1224-1241 DOI: 10.1177/0892705718798008 Published: SEP 2019 Accession Number: WOS:000480819500005 [2021 ISI Impact Factor: 3.027]</p>	3.027		
5.45	<p>Title: Semi-active noise control for a hermetic digital scroll compressor Author(s): Ye, K (Ye, Kan); Ji, JC (Ji, Jinchen); Han, S (Han, Sam) Source: JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL Volume: 39 Issue: 4 Pages: 1204-1215 Article Number: 1461348419867019 DOI: 10.1177/1461348419867019 Early Access Date: JUL 2019 Published: DEC 2020 Accession Number: WOS:000480114200001 [2021 ISI Impact Factor: 2.368]</p>	2.368		
5.46	<p>Title: Soundproofing flexible polyurethane foams: Effect of chemical structure of chain extenders on micro phase separation and acoustic damping Author(s): Baghban, SA (Baghban, Sahar Abdollahi); Khorasani, M (Khorasani, Manouchehr); Sadeghi, GMM (Sadeghi, Gity Mir Mohamad) Source: JOURNAL OF CELLULAR PLASTICS Volume: 56 Issue: 2 Pages: 167-185 Article Number: 0021955X19864387 DOI: 10.1177/0021955X19864387 Early Access Date: JUL 2019 Published: MAR 2020</p>	1.93		
5.47	<p>Title: Selection of polymer construction materials for the industry by using of CAD/CAM design techniques Author(s): Swinarew, AS (Swinarew, Andrzej S.); Zarnowski, M (Zarnowski, Mirosław) Source: PRZEMYSŁ CHEMICZNY Volume: 98 Issue: 7 Pages: 1130-1133 DOI: 10.15199/62.2019.7.20 Published: JUL 2019 Accession Number: WOS:000487346500047 [2021 ISI Impact Factor: 0.49]</p>	0.49		
5.48	<p>Title: Influence of designs of weaves on acoustic attenuation of fabrics Author(s): Barburski, M (Barburski, Marcin); Blaszczyk, JR (Blaszczyk, Jarosław R.); Pawliczak, Z (Pawliczak, Zbigniew) Source: JOURNAL OF INDUSTRIAL TEXTILES Volume: 49 Issue: 1 Pages: 33-45 DOI: 10.1177/1528083718769945 Published: JUL 2019 Accession Number: WOS:000473518800002 [2021 ISI Impact Factor: 2.926]</p>	2.926		
5.49	<p>Title: Sound Absorption and Insulation Properties of a Polyurethane Foam Mixed with Electrospun Nylon-6 and Polyurethane Nanofibre Mats Author(s): Park, M (Park, Mira); Park, HK (Park, Hyeon Ku); Shin, HK (Shin, Hye Kyoung); Kang, D (Kang, Dawon); Pant, B (Pant, Bishweshwar); Kim, H (Kim, Hang); Song, JK (Song, Jin-Kyu); Kim, HY (Kim, Hak Yong) Source: JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 19 Issue: 6 Pages: 3558-3563 DOI: 10.1166/jnn.2019.16128 Published: JUN 2019 Accession Number: WOS:000458411600055 [2021 ISI Impact Factor: 1.134]</p>	1.134		
5.50	<p>Title: Usage of Recycled Technical Textiles as Thermal Insulation and an Acoustic Absorber Author(s): Danihelova, A (Danihelova, Anna); Nemeč, M (Nemeč, Mirosław); Gergel, T (Gergel, Tomas); Gejdos, M (Gejdos, Milos); Gordanova, J (Gordanova, Janka); Scensny, P (Scensny, Patrik) Source: SUSTAINABILITY Volume: 11 Issue: 10 Article Number: 2968 DOI: 10.3390/su11102968 Published: MAY 2 2019 Accession Number: WOS:000471010300251 [2021 ISI Impact Factor: 3.889]</p>	3.889		
5.51	<p>Title: Acoustic damping flexible polyurethane foams: Effect of isocyanate index and water content on the soundproofing Author(s): Baghban, SA (Baghban, Sahar Abdollahi); Khorasani, M (Khorasani, Manouchehr); Sadeghi, GMM (Sadeghi, Gity Mir Mohamad) Source: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 136 Issue: 15 Article Number: 47363 DOI: 10.1002/app.47363 Published: APR 15 2019 Accession Number: WOS:000458323000023 [2021 ISI Impact Factor: 3.057]</p>	3.057		
5.52	<p>Title: Measuring Methods of Acoustic Properties and Influence of Physical Parameters on Natural Fibers: A Review Author(s): Gokulkumar, S (Gokulkumar, S.); Thyla, PR (Thyla, P. R.); Prabhu, L (Prabhu, L.); Sathish, S (Sathish, S.) Source: JOURNAL OF NATURAL FIBERS DOI: 10.1080/15440478.2019.1598913 Early Access Date: APR 2019 Accession Number: WOS:000465796500001 [2021 ISI Impact Factor: 3.507]</p>	3.507		
5.53	<p>Title: Non-acoustical parameters and sound absorption characteristics of porous polyurethane foams Author(s): Ning, JF (Ning, Jingfeng); Zhao, GP (Zhao, Guiping); He, XP (He, Xiping) Source: PHYSICS OF FLUIDS Volume: 31 Issue: 3 Article Number: 037106 DOI: 10.1063/1.5079486 Published: MAR 2019 Accession Number: WOS:000462915800051 [2021 ISI Impact Factor: 4.98]</p>	4.98		

5.54	<p>Title: Study of the Sound Absorption Performance of Ethylene-Vinyl Acetate Foam Materials Author(s): Gong, W (Gong, Wei); Ma, YL (Ma, Yu Long); Ban, DM (Ban, Da Ming); Yin, XG (Yin, Xiao Gang); He, L (He, Li); Fu, H (Fu, Hai) Source: MATERIALS SCIENCE-MEDZIAGOTYRA Volume: 25 Issue: 4 Pages: 427-432 DOI: 10.5755/j01.ms.25.4.19139 Published: 2019 Accession Number: WOS:000484658500011 [2021 ISI Impact Factor: 0.854]</p>	0.854		
5.55	<p>Title: Extrusion Foaming of Lightweight Polystyrene Composite Foams with Controllable Cellular Structure for Sound Absorption Application Author(s): Fei, YP (Fei, Yanpei); Fang, W (Fang, Wei); Zhong, MQ (Zhong, Mingqiang); Jin, JM (Jin, Jiangming); Fan, P (Fan, Ping); Yang, JT (Yang, Jintao); Fei, ZD (Fei, Zhengdong); Xu, LX (Xu, Lixin); Chen, F (Chen, Feng) Source: POLYMERS Volume: 11 Issue: 1 Article Number: 106 DOI: 10.3390/polym11010106 Published: JAN 2019 Accession Number: WOS:000457202000106 [2021 ISI Impact Factor: 4.967]</p>	4.967		
5.56	<p>Title: Soundproofing flexible polyurethane foams: The impact of polyester chemical structure on the microphase separation and acoustic damping Author(s): Baghban, SA (Baghban, Sahar Abdollahi); Khorasani, M (Khorasani, Manouchehr); Sadeghi, GMM (Sadeghi, Gity Mir Mohamad) Source: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 135 Issue: 46 Article Number: 46744 DOI: 10.1002/app.46744 Published: DEC 10 2018 Accession Number: WOS:000447768000002 [2021 ISI Impact Factor: 3.057]</p>	3.057		
5.57	<p>Title: Polyurethane Foams: Past, Present, and Future Author(s): Gama, NV (Gama, Nuno V.); Ferreira, A (Ferreira, Artur); Barros-Timmons, A (Barros-Timmons, Ana) Source: MATERIALS Volume: 11 Issue: 10 Article Number: 1841 DOI: 10.3390/ma11101841 Published: OCT 2018 Accession Number: WOS:000448658400055 [2021 ISI Impact Factor: 3.748]</p>	3.748		
5.58	<p>Title: Destructive vs. non-destructive methods for the mechanical characterisation of tanhin-based thermoset foams Author(s): Delgado-Sanchez, C (Delgado-Sanchez, C.); Santiago-Medina, FJ (Santiago-Medina, F. J.); Fierro, V (Fierro, V); Pizzi, A (Pizzi, A.); Celzard, A (Celzard, A.) Source: POLYMER TESTING Volume: 69 Pages: 332-339 DOI: 10.1016/j.polymertesting.2018.05.046 Published: AUG 2018 Accession Number: WOS:000442068000041 [2021 ISI Impact Factor: 4.931]</p>	4.931		
5.59	<p>Title: Merits of the Addition of PTFE Micropowder in Supercritical Carbon Dioxide Foaming of Polypropylene: Ultrahigh Cell Density, High Tensile Strength, and Good Sound Insulation Author(s): Yang, CG (Yang, Chenguang); Xing, Z (Xing, Zhe); Wang, MH (Wang, Mouhua); Zhao, Q (Zhao, Quan); Wu, GZ (Wu, Guozhong) Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 57 Issue: 5 Pages: 1498-1505 DOI: 10.1021/acs.iecr.7b04644 Published: FEB 7 2018 Accession Number: WOS:000424851800018 [2021 ISI Impact Factor: 4.326]</p>	4.326		
5.60	<p>Title: Design and Production of Painted Rear Trunk Covering for Acoustic Application Author(s): Baskan, H (Baskan, H.); Isik, B (Isik, B.); Erarslan, E (Erarslan, E.); Ejder, P (Ejder, P.); Sezer, S (Sezer, S.); Karakas, H (Karakas, H.) Book Group Author(s): IOP Source: 18TH WORLD TEXTILE CONFERENCE (AUTEX 2018) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 460 Article Number: 012037 DOI: 10.1088/1757-899X/460/1/012037 Published: 2018 Accession Number: WOS:000461176700037</p>	0		
5.61	<p>Title: Sound absorption analysis of castor oil based polyurethane foam with natural fiber Author(s): Yuvaraj, L (Yuvaraj, L.); Jeyanthi, S (Jeyanthi, S.); Babu, MCL (Babu, M. C. Lenin) Source: MATERIALS TODAY-PROCEEDINGS Volume: 5 Issue: 11 Pages: 23534-23540 DOI: 10.1016/j.matpr.2018.10.141 Part: 3 Published: 2018 Accession Number: WOS:000452560600006</p>	0		
5.62	<p>Title: Characterization of a novel sound absorption material derived from waste agricultural film Author(s): Wang, L (Wang, Lei); Zhang, FS (Zhang, Fu-Shen) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 157 Pages: 237-243 DOI: 10.1016/j.conbuildmat.2017.07.192 Published: DEC 30 2017 Accession Number: WOS:000414106200024 [2021 ISI Impact Factor: 7.693]</p>	7.693		
5.63	<p>Title: Graphene Oxide-Based Lamella Network for Enhanced Sound Absorption Author(s): Nine, MJ (Nine, Md Julker); Ayub, M (Ayub, Md); Zander, AC (Zander, Anthony C.); Tran, DNH (Tran, Diana N. H.); Cazzolato, BS (Cazzolato, Benjamin S.); Losic, D (Losic, Dusan) Source: ADVANCED FUNCTIONAL MATERIALS Volume: 27 Issue: 46 Article Number: 1703820 DOI: 10.1002/adfm.201703820 Published: DEC 8 2017 Accession Number: WOS:000417187200013</p>	19.924		

5.64	Title: Textiles Author(s): Choudri, BS (Choudri, B. S.); Charabi, Y (Charabi, Yassine); Baawain, M (Baawain, Mahad); Ahmed, M (Ahmed, Mushtaque) Source: WATER ENVIRONMENT RESEARCH Volume: 89 Issue: 10 Pages: 1424-1440 DOI: 10.2175/106143017X15023776270502 Published: OCT 1 2017 Accession Number: WOS:000418398200023 [2021 ISI Impact Factor: 3.306]	3.306		
5.65	Title: Sound absorption properties of polyurethane foams derived from crude glycerol and liquefied coffee grounds polyol Author(s): Gama, N (Gama, Nuno); Silva, R (Silva, Rui); Carvalho, APO (Carvalho, Antonio P. O.); Ferreira, A (Ferreira, Artur); Barros-Timmons, A (Barros-Timmons, Ana) Source: POLYMER TESTING Volume: 62 Pages: 13-22 DOI: 10.1016/j.polymertesting.2017.05.042 Published: SEP 2017 Accession Number: WOS:000411537900003 [2021 ISI Impact Factor: 4.931]	4.931		
5.66	Title: A Review of the Factors that Influence Sound Absorption and the Available Empirical Models for Fibrous Materials Author(s): Dunne, R (Dunne, R.); Desai, D (Desai, D.); Sadiku, R (Sadiku, R.) Source: ACOUSTICS AUSTRALIA Volume: 45 Issue: 2 Pages: 453-469 DOI: 10.1007/s40857-017-0097-4 Published: AUG 2017 Accession Number: WOS:000415005000026 [2021 ISI Impact Factor: 1.891]	1.891		
5.67	Title: Development of a fly ash-based geopolymeric concrete with construction and demolition wastes as aggregates in acoustic barriers Author(s): Arenas, C (Arenas, C.); Luna-Galiano, Y (Luna-Galiano, Y.); Leiva, C (Leiva, C.); Vilches, LF (Vilches, L. F.); Arroyo, F (Arroyo, F.); Villegas, R (Villegas, R.); Fernandez-Pereira, C (Fernandez-Pereira, C.) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 134 Pages: 433-442 DOI: 10.1016/j.conbuildmat.2016.12.119 Published: MAR 1 2017 Accession Number: WOS:000393726700044 [2021 ISI Impact Factor: 7.693]	7.693		
5.68	Title: Use of Fibrous Materials in Acoustic Insulation Applications Author(s): Eyupoglu, S (Eyupoglu, Seyda); Sanver, U (Sanver, Ufuk); Eyupoglu, C (Eyupoglu, Can) Book Group Author(s): IEEE Source: PROCEEDINGS OF THE 2017 IEEE RUSSIA SECTION YOUNG RESEARCHERS IN ELECTRICAL AND ELECTRONIC ENGINEERING CONFERENCE (2017 ELCONRUS) Book Series: IEEE NW Russia Young Researchers in Electrical and Electronic Engineering Conference Pages: 1141-1144 Published: 2017 Accession Number: WOS:000403395600278	0		
5.69	Title: Potential of recycled fabric utilization in terms of fire protection and acoustic Author(s): Gergel, T (Gergel, Toms); Kamenska, V (Kamenska, Veronika); Oravcova, J (Oravcova, Jana); Kacikova, D (Kacikova, Danica); Danihelova, A (Danihelova, Anna); Nemeč, M (Nemeč, Miroslav) Edited by: Majlingova A; Velkova V Source: FIRE PROTECTION, SAFETY AND SECURITY 2017 Pages: 57-62 Published: 2017 Accession Number: WOS:000417346400007	0		
6	Tiuc A.E., Vasile O., Vermesan H., Nemes O., Andrei P.M., "Sound Absorbing Insulating Composites Based on Polyurethane Foam and Waste Materials", MATERIALE PLASTICE, ISSN: 0025-5289, Vol. 55, Issue 3, pp. 419-422, 2018, WOS: 000452711500035, 2018 Impact Factor: 1.393 CITAT ÎN:	5		
6.1	Title: Recycling of bast textile wastes into high value-added products: a review Author(s): Yang, X (Yang, Xue); Fan, W (Fan, Wei); Wang, H (Wang, Hui); Shi, Y (Shi, Yang); Wang, SJ (Wang, Shujuan); Liew, RK (Liew, Rock Kee); Ge, SB (Ge, Shengbo) Source: ENVIRONMENTAL CHEMISTRY LETTERS DOI: 10.1007/s10311-022-01484-z Early Access Date: AUG 2022 Accession Number: WOS:000840582800001 [2021 ISI Impact Factor: 13.615]	13.615		
6.2	Title: Semi-rigid Polyurethane Foam and Polydimethylsiloxane Aerogel Composite for Thermal Insulation and Sound Absorption Author(s): Kim, BS (Kim, Byeong Seok); Choi, J (Choi, Jinkyu); Park, YS (Park, Ye Seo); Qian, YJ (Qian, Yingjie); Shim, SE (Shim, Sang Eun) Source: MACROMOLECULAR RESEARCH Volume: 30 Issue: 4 Pages: 245-253 DOI: 10.1007/s13233-022-0026-8 Published: APR 2022 Accession Number: WOS:000789083400004 [2021 ISI Impact Factor: 2.127]	2.127		
6.3	Title: Influence of Flame Retardant Impregnation on Acoustic and Thermophysical Properties of Recycled Technical Textiles with the Potential for Use in Wooden Buildings Author(s): Danihelova, A (Danihelova, Anna); Scensny, P (Scensny, Patrik); Gergel, T (Gergel, Tomas); Ondrejka, V (Ondrejka, Vojtech); Nemeč, M (Nemeč, Miroslav); Igaz, R (Igaz, Rastislav); Stefko, J (Stefko, Jozef); Mitterova, I (Mitterova, Iveta) Source: POLYMERS Volume: 13 Issue: 16 Article Number: 2598 DOI: 10.3390/polym13162598 Published: AUG 2021 Accession Number: WOS:000690038400001 [2021 ISI Impact Factor: 4.967]	4.967		

6.4	<p>Title: Development of nonwoven composites from recycled cotton/polyester apparel waste materials for sound absorbing and insulating properties Author(s): Sakthivel, S (Sakthivel, S.); Kumar, SS (Kumar, S. Senthil); Melese, B (Melese, Bahiru); Mekonnen, S (Mekonnen, Seblework); Solomon, E (Solomon, Eshetu); Edae, A (Edae, Ashenafi); Abedom, F (Abedom, Fasika); Gedilu, M (Gedilu, Mekdes) Source: APPLIED ACOUSTICS Volume: 180 Article Number: 108126 DOI: 10.1016/j.apacoust.2021.108126 Early Access Date: MAY 2021 Published: SEP 2021 Accession Number: WOS:000655494800010 [2021 ISI Impact Factor: 3.614]</p>	3.614		
6.5	<p>Title: Waste Electrical and Electronic Equipment Study regarding the plastic composition Author(s): Grigorescu, RM (Grigorescu, Ramona Marina); Grigore, ME (Grigore, Madalina Elena); Ghioca, P (Ghioca, Paul); Iancu, L (Iancu, Lorena); Nicolae, CA (Nicolae, Cristian-Andi); Ion, RM (Ion, Rodica-Mariana); Teodorescu, S (Teodorescu, Sofia); Andrei, ER (Andrei, Elena Ramona) Source: MATERIALE PLASTICE Volume: 56 Issue: 1 Pages: 77-81 Published: MAR 2019 Accession Number: WOS:000464604100016 [2021 ISI Impact Factor: 0.782]</p>	0.782		
7	<p>Negru I., Praisach Z.I., Gillich G.R., Vasile O., "About the Neutral Axis Distortion due to Cracks and its Influence upon the Beams Natural Frequencies", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.1, 2015, pp. 35-38. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415189400007, CITAT ÎN:</p>	5		
7.1	<p>Title: Beam Damage Assessment Using Natural Frequency Shift and Machine Learning Author(s): Gillich, N (Gillich, Nicoleta); Tufisi, C (Tufisi, Cristian); Sacarea, C (Sacarea, Christian); Rusu, CV (Rusu, Catalin V.); Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Ardeljan, M (Ardeljan, Mario) Source: SENSORS Volume: 22 Issue: 3 Article Number: 1118 DOI: 10.3390/s22031118 Published: FEB 2022 Accession Number: WOS:000754795400001 [2021 ISI Impact Factor: 3.847]</p>	3.847		
7.2	<p>Title: Stiffness assessment of cracked post-tensioned concrete beams with unbonded tendons based on the cracking pattern Author(s): Fu, CY (Fu, Chunyu); Zhu, Y (Zhu, Yin); Wang, YY (Wang, Yuyang) Source: ENGINEERING STRUCTURES Volume: 214 Article Number: 110599 DOI: 10.1016/j.engstruct.2020.110599 Published: JUL 1 2020 Accession Number: WOS:000536072400013 [2021 ISI Impact Factor: 5.582]</p>	5.582		
7.3	<p>Title: Assessing the Instantaneous Stiffness of Cracked Reinforced Concrete Beams Based on a Gradual Change in Strain Distributions Author(s): Fu, CY (Fu, Chunyu); Tong, DW (Tong, Dawei); Wang, YY (Wang, Yuyang) Source: ADVANCES IN MATERIALS SCIENCE AND ENGINEERING Volume: 2020 Article Number: 7453619 DOI: 10.1155/2020/7453619 Published: FEB 27 2020 Accession Number: WOS:000522102200003 [2021 ISI Impact Factor: 2.098]</p>	2.098		
7.4	<p>Title: Free Vibration Analysis of Cracked Euler-Bernoulli Beam by Laplace Transformation Considering Stiffness Reduction Author(s): Zhao, XZ (Zhao, Xingzhuang) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 2 Pages: 166-173 Published: 2019 Accession Number: WOS:000593692900011</p>	0		
7.5	<p>Title: Stiffness Estimation of Cracked Beams Based on Nonlinear Stress Distributions Near the Crack Author(s): Fu, CY (Fu, Chunyu); Wang, YY (Wang, Yuyang); Tong, DW (Tong, Dawei) Source: MATHEMATICAL PROBLEMS IN ENGINEERING Volume: 2018 Article Number: 5987973 DOI: 10.1155/2018/5987973 Published: 2018 Accession Number: WOS:000434819000001 [2021 ISI Impact Factor: 1.43]</p>	1.43		
8	<p>Hatiegan C., Gillich E.V., Vasile O., Nedeloni M.D., Padureanu I., "Finite Element Analysis of thin plates clamped on the rim of different geometric forms. Part I: Simulating the Vibration Mode Shapes and Natural Frequencies", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.1, 2015, pp. 69-74. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415189400013, CITAT ÎN:</p>	4		
8.1	<p>Title: Free Vibration Analysis of Symmetric Laminated Composite Thin Rectangular Plate and Passive Control with Attached Patches Author(s): Deghboudj, S (Deghboudj, Samir); Boukhedena, W (Boukhedena, Wafia); Satha, H (Satha, Hamid) Source: JOURNAL OF FAILURE ANALYSIS AND PREVENTION Volume: 21 Issue: 4 Pages: 1240-1251 DOI: 10.1007/s11668-021-01152-4 Early Access Date: MAY 2021 Published: AUG 2021 Accession Number: WOS:000654833400001</p>	0		
8.2	<p>Title: Analytical And Finite Element Studies on Free vibration of Aluminum Alloy Plate and Control Passive with Damping Orthotropic Patches Author(s): Deghboudj, S (Deghboudj, Samir); Boukhedena, W (Boukhedena, Wafia) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 18 Issue: 1 Pages: 26-35 Published: 2021 Accession Number: WOS:000729984200005</p>	0		

8.3	<p>Title: Modal Analysis of Orthotropic Thin Rectangular Plate Based on Analytical and Finite Element Approaches Author(s): Deghboudj, S (Deghboudj, Samir); Boukhedena, W (Boukhedena, Wafia); Satha, H (Satha, Hamid) Source: REVUE DES COMPOSITES ET DES MATERIAUX AVANCES-JOURNAL OF COMPOSITE AND ADVANCED MATERIALS Volume: 30 Issue: 5-6 Pages: 217-225 DOI: 10.18280/rcma.305-604 Published: DEC 2020 Accession Number: WOS:000604637200004</p>	0		
8.4	<p>Title: Dry sliding wear research on C45 Carbon steel, Ti6Al4V alloyed steel and A304Ti02V martensitic stainless steel Author(s): Nedeloni, L (Nedeloni, L.); Pedrali, PC (Pedrali, P. C.); Cindea, L (Cindea, L.); Petrica, AV (Petrica, A., V); Budai, AM (Budai, A. M.); Conciatu, IL (Conciatu, I. L.); Bara, A (Bara, A.) Edited by: Lemle LD Source: INTERNATIONAL CONFERENCE ON APPLIED SCIENCES Book Series: IOP Conference Series-Materials Science and Engineering Volume: 477 Article Number: 012053 DOI: 10.1088/1757-899X/477/1/012053 Published: 2019 Accession Number: WOS:000461184100053</p>	0		
9	<p>Truc A.E., Vasile O., Vermesan H., "Acoustic Performance of Composite Materials Made from Textile Waste", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, iss.2, 2015, pp. 111-115. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415190200002, CITAT ÎN:</p>	6		
9.1	<p>Title: Semi-rigid Polyurethane foam and Polydimethylsiloxane Aerogel Composite for Thermal Insulation and Sound Absorption Author(s): Kim, BS (Kim, Byeong Seok); Choi, J (Choi, Jinkyu); Park, YS (Park, Ye Seo); Qian, YJ (Qian, Yingjie); Shim, SE (Shim, Sang Eun) Source: MACROMOLECULAR RESEARCH Volume: 30 Issue: 4 Pages: 245-253 DOI: 10.1007/s13233-022-0026-8 Published: APR 2022 Accession Number: WOS:000789083400004 [2021 ISI Impact Factor: 2.127]</p>	2.127		
9.2	<p>Title: ECO-SUSTAINABLE USE OF GLASS WASTE AS ALTERNATIVE CONSTRUCTION MATERIALS Author(s): Dobrescu, CF (Dobrescu, Cornelia-Florentina); Pintoi, R (Pintoi, Ramona) Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 52 Issue: 2 Pages: 161-167 Published: 2022 Accession Number: WOS:000829023400008 [2021 ISI Impact Factor: 0.628]</p>	0.628		
9.3	<p>Title: Microwave Absorption Performance of Single-Layer and Multi-Layer Structures Prepared by CNTs/Fe3O4 Nonwoven Materials Author(s): Zhan, R (Zhan, Rong); Zhang, JQ (Zhang, Jiaqiao); Gao, Q (Gao, Qiang); Jia, Q (Jia, Qi); Zhang, ZX (Zhang, Zhixiang); Zhang, GY (Zhang, Guangyu); Gu, WY (Gu, Wenyan) Source: CRYSTALS Volume: 11 Issue: 8 Article Number: 1000 DOI: 10.3390/cryst11081000 Published: AUG 2021 Accession Number: WOS:000688890700001 [2021 ISI Impact Factor: 2.67]</p>	2.67		
9.4	<p>Title: Experimental and mathematical survey of sound absorption performance of date palm fibers Author(s): Taban, E (Taban, Ebrahim); Khavanin, A (Khavanin, Ali); Jafari, AJ (Jafari, Ahmad Jonidi); Faridan, M (Faridan, Mohammad); Tabrizi, AK (Tabrizi, Ali Kazemi) Source: HELIYON Volume: 5 Issue: 6 Article Number: e01977 DOI: 10.1016/j.heliyon.2019.e01977 Published: JUN 2019 Accession Number: WOS:000473818300087 [2021 ISI Impact Factor: 3.776]</p>	3.776		
9.5	<p>Title: Acoustic optimization of a music practice classroom Author(s): Tamas-Gavrea, DR (Tamas-Gavrea, Daniela-Roxana); Munteanu, C (Munteanu, Constantin); Fernea, R (Fernea, Istioan); Raluca; Loghin, A (Loghin, Adrian) Edited by: Moldovan L; Gligor A Source: 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018) Book Series: Procedia Manufacturing Volume: 32 Pages: 167-170 DOI: 10.1016/j.promfg.2019.02.198 Published: 2019 Accession Number: WOS:000471295800024</p>	0		
9.6	<p>Title: A Review of the Factors that Influence Sound Absorption and the Available Empirical Models for Fibrous Materials Author(s): Dunne, R (Dunne, R.); Desai, D (Desai, D.); Sadiku, R (Sadiku, R.) Source: ACOUSTICS AUSTRALIA Volume: 45 Issue: 2 Pages: 453-469 DOI: 10.1007/s40857-017-0097-4 Published: AUG 2017 Accession Number: WOS:000415005000026 [2021 ISI Impact Factor: 1.891]</p>	1.891		
10	<p>Nedeloni M.D., Hatiegan C., Vasile O., Hamat C.O., Fanica C., Gillich N., "Numerical Study Regarding the Influence of Material Components for a Booster - Ultrasonic Horn Assembly on the Natural Frequency", Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, vol. 12, issue 2, 2015, pp. 155-160. (SCOPUS, indexată ISI Thomson - Web of Science) Accession Number: WOS:000415190200009, CITAT ÎN:</p>	2		

12.5	<p>Title: In vitro Antioxidant and Antitumor Properties of <i>Achillea millefolium</i> L Author(s): Fierascu, I (Fierascu, Irina); Ungureanu, C (Ungureanu, Camelia); Avramescu, SM (Avramescu, Sorin Marius); Fierascu, RC (Fierascu, Radu Claudiu); Ortan, A (Ortan, Alina); Soare, LC (Soare, Liliana Cristina); Paunescu, A (Paunescu, Alina) Source: ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 20 Issue: 4 Pages: 10626-10636 Published: JUL-AUG 2015 Accession Number: WOS:000361481700009 [2015 ISI Impact Factor: 1.232]</p>	0.381		
13	<p>Vasile O., "Experimental evaluation of the hysteretic damping of elastomeric systems at low-cyclic harmonic kinematic displacements", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013), Applied Mechanics and Materials, Vol. 430, 2013, pp. 323-328, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, http://info.scopus.com/detail/what/, SCOPUS, Thomson - Web of Science) DOI: 10.4028/www.scientific.net/AMM.430.323; Accession Number: WOS: 000335880800052, CITAT ÎN:</p>	1		
13.1	<p>Title: THE DYNAMIC ANALYSE OF A CONSTRUCTION WITH THE BASE INSULATION CONSISTING IN ANTI-SEISMIC DEVICES MODELLED AS A HOOKE-VOIGT-KELVIN LINEAR RHEOLOGICAL SYSTEM Author(s): Bratu, P (Bratu, Polidor); Stuparu, A (Stuparu, Adriana); Leopa, A (Leopa, Adrian); Popa, S (Popa, Sorin) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 60 Issue: 4 Pages: 465-472 Published: NOV 2017 Accession Number: WOS:000428901100004</p>	0		
14	<p>Vasile O., "Experimental evaluation of the damping variation of an elastomeric device harmonically excited", 12th International Symposium Acoustics and Vibration of Mechanical Structures (AVMS 2013), Applied Mechanics and Materials, Vol. 430, 2013, pp. 329-334, ISSN 1660-9336, ISBN 978-303785877-6 (BDI: Google Scholar, SCOPUS, http://info.scopus.com/detail/what/, Thomson - Web of Science) DOI: 10.4028/www.scientific.net/AMM.430.329; Accession Number: WOS: 000335880800053, CITAT ÎN:</p>	2		
14.1	<p>Title: THE ASSESSMENT OF THE DYNAMIC RESPONSE TO SEISMIC EXCITATION FOR CONSTRUCTIONS EQUIPPED WITH BASE ISOLATION SYSTEMS ACCORDING TO THE NEWTON-VOIGT-KELVIN MODEL Author(s): Bratu, P (Bratu, Polidor); Stuparu, A (Stuparu, Adriana); Popa, S (Popa, Sorin); Iacob, N (Iacob, Nicolae); Voicu, O (Voicu, Ovidiu) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 60 Issue: 4 Pages: 459-464 Published: NOV 2017 Accession Number: WOS:000428901100003</p>	0		
14.2	<p>Title: THE DYNAMIC ANALYSE OF A CONSTRUCTION WITH THE BASE INSULATION CONSISTING IN ANTI-SEISMIC DEVICES MODELLED AS A HOOKE-VOIGT-KELVIN LINEAR RHEOLOGICAL SYSTEM Author(s): Bratu, P (Bratu, Polidor); Stuparu, A (Stuparu, Adriana); Leopa, A (Leopa, Adrian); Popa, S (Popa, Sorin) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 60 Issue: 4 Pages: 465-472 Published: NOV 2017 Accession Number: WOS:000428901100004</p>	0		
15	<p>Iancu V., Vasile O., Gilinc G.K., "Modelling and Characterization of Hybrid Rubber-Based Earthquake Isolation Systems", Revista de Materiale Plastice, Vol. 49, Issue 4, 2012, pp. 237-241, ISSN 0025-5289, ISI Index refereed. (http://www.revmaterialeplastice.ro/, Google Scholar, http://info.scopus.com/detail/what/, Thomson - Web of Science) Accession Number: WOS: 000313149100003; 2017 Impact Factor = 1,248 CITAT ÎN:</p>	12		
15.1	<p>Title: Evaluation of the Dynamic Regime Upon Trial of An Elastic Beam Excited by Vibrodyn Author(s): Dragan, N (Dragan, Nicusor); Capatana, GF (Capatana, Gigel Florin); Potirniche, AM (Potirniche, Aurora Maria) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 13-16 Published: 2022 Accession Number: WOS:000782978600002</p>	0		
15.2	<p>Title: The Effect of The Symmetrical Elastic Nonlinearity on Structural Vibrations Transmitted by Dynamic Equipment on The Construction Envelope Author(s): Bratu, P (Bratu, Polidor); Nicolae, GL (Nicolae, George Lucian); Iacovescu, S (Iacovescu, Samir); Ion, D (Ion, Dan); Cotoban, A (Cotoban, Andrei) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 19 Issue: 1 Pages: 25-28 Published: 2022 Accession Number: WOS:000782978600004</p>	0		
15.3	<p>Title: Effect of Reducing the Vibrations Transmitted with High-Performance Elastomeric Device Author(s): Dragan, N (Dragan, Nicusor); Potirniche, AM (Potirniche, Aurora Maria); Capatana, GF (Capatana, Gigel Florin) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 18 Issue: 2 Pages: 126-129 Published: 2021 Accession Number: WOS:000756914600010</p>	0		

15.4	<p>Title: Experimental and Numerical Investigations into Dynamic Modal Parameters of Fiber-Reinforced Foamed Urethane Composite Beams in Railway Switches and Crossings Author(s): Sengsri, P (Sengsri, Pasakorn); Ngamkhanong, C (Ngamkhanong, Chayut); de Melo, ALO (de Melo, Andre Luis Oliveira); Kaewunruen, S (Kaewunruen, Sakdirat) Source: VIBRATION Volume: 3 Issue: 3 Pages: 174-188 DOI: 10.3390/vibration3030014 Published: SEP 2020 Accession Number: WOS:000669894900003</p>	0		
15.5	<p>Title: Hysteretically Symmetrical Evolution of Elastomers-Based Vibration Isolators within alpha-Fractional Nonlinear Computational Dynamics Author(s): Nastac, S (Nastac, Silviu); Debeleac, C (Debeleac, Carmen); Vlase, S (Vlase, Sorin) Source: SYMMETRY-BASEL Volume: 11 Issue: 7 Article Number: 924 DOI: 10.3390/sym11070924 Published: JUL 2019 Accession Number: WOS:000481979000089 [2021 ISI Impact Factor: 2.94]</p>	2.94		
15.6	<p>Title: The Effect of the Friction Coefficient and the Pendulum Radius on the Behavior of Structures Isolated with Simple Friction Pendulums Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Nedelcu, D (Nedelcu, Dorian); Malin, TC (Malin, Tatian-Cristian); Iancu, V (Iancu, Vasile); Hamat, CO (Hamat, Codruta Oana); Gillich, N (Gillich, Nicoleta) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 2 Pages: 130-135 Published: 2018 Accession Number: WOS:000457418600008</p>	0		
15.7	<p>Title: Snaking Bifurcation for the Analysis of Beams with Top Mass Author(s): Iancu, V (Iancu, Vasile); Galuska, I (Galuska, Iosif); Manescu, T (Manescu, Tiberiu) Edited by: Herisanu N; Marinca V Source: ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES (AVMS-2017) Book Series: Springer Proceedings in Physics Volume: 198 Pages: 257-262 DOI: 10.1007/978-3-319-69823-6_30 Published: 2018 Accession Number: WOS:000437313600030</p>	0		
15.8	<p>Title: The Velocity Evolution of an Isolated Element in a Friction Pendulum for Different Sliding Surface Author(s): Balan, G (Balan, Gelu); Manescu, T (Manescu, Tiberiu); Jurcau, C (Jurcau, Camelia); Milos, O (Milos, Ovidiu); Iancu, V (Iancu, Vasile) Edited by: Herisanu N; Marinca V Source: ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES (AVMS-2017) Book Series: Springer Proceedings in Physics Volume: 198 Pages: 405-410 DOI: 10.1007/978-3-319-69823-6_48 Published: 2018 Accession Number: WOS:000437313600048</p>	0		
15.9	<p>Title: THE DYNAMIC ANALYSE OF A CONSTRUCTION WITH THE BASE INSULATION CONSISTING IN ANTI-SEISMIC DEVICES MODELLED AS A HOOKE-VOIGT-KELVIN LINEAR RHEOLOGICAL SYSTEM Author(s): Bratu, P (Bratu, Polidor); Stuparu, A (Stuparu, Adriana); Leopa, A (Leopa, Adrian); Popa, S (Popa, Sorin) Source: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING Volume: 60 Issue: 4 Pages: 465-472 Published: NOV 2017 Accession Number: WOS:000428901100004</p>	0		
15.10	<p>Title: Vibration Effects in the Process of Dynamic Compaction of Fresh Concrete and Stabilized Earth Author(s): Pinto, R (Pinto, Ramona); Bordos, R (Bordos, Ruslan); Braguta, EE (Braguta, Eugeniu Eugeniu) Source: JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES Volume: 5 Issue: 3 Pages: 247-254 Published: JUN 2017 Accession Number: WOS:000404371400006 [2017 ISI Impact Factor: 0.615]</p>	0.615		
15.11	<p>Title: Modal Analysis of a Butterfly Valve with Different Stiffening Element Author(s): Tufoi, M (Tufoi, Marius); Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Korka, ZI (Korka, Zoltan Iosif); Hatiegan, C (Hatiegan, Cornel) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 13 Issue: 1 Pages: 11-15 Published: 2016 (SCOPUS) Accession Number: WOS:000410963300003</p>	0		
15.12	<p>Title: Some Models of Elastomeric Seismic Isolation Devices Author(s): Iancu, V (Iancu, Vasile); Gillich, GR (Gillich, Gilbert-Rainer); Iavornic, CM (Iavornic, Claudiu Mirel); Gillich, N (Gillich, Nicoleta) Edited by: Herisanu N; Marinca V Source: ACOUSTICS & VIBRATION OF MECHANICAL STRUCTURES Book Series: Applied Mechanics and Materials Volume: 430 Pages: 356+ DOI: 10.4028/www.scientific.net/AMM.430.356 Published: 2013 Accession Number: WOS:000335880800057</p>	0		
16	<p>Borlea A., Kusu I., Vasile O., "Using Particles of Recycled Rubber when Making Some Soundproofing Materials", Revista de Materiale Plastice, Vol. 49, Issue 4, 2012, pp. 275-278, ISSN 0025-5289, ISI Index refereed. (http://www.revmaterialeplastice.ro/, Google Scholar, http://info.scopus.com/detail/what/, Thomson - Web of Science) Accession Number: WOS: 000313149100010; 2021 ISI Impact Factor = 0,782 CITAT ÎN:</p>	6		

16.1	Title: Products made from rubber crumb and waste rubber Author(s): Forrest, MJ (Forrest, Martin J.) Book Author(s): Forrest, MJ (Forrest, MJ) Source: RECYCLING AND RE-USE OF WASTE RUBBER, 2ND EDITION Pages: 125-157 DOI: 10.1515/9783110644142-007 Published: 2019 Accession Number: WOS:000510728200008	0		
16.2	Title: Acoustic optimization of a music practice classroom Author(s): Tamas-Gavrea, DR (Tamas-Gavrea, Daniela-Roxana); Munteanu, C (Munteanu, Constantin); Fernea, R (Fernea (Istoan), Raluca); Loghin, A (Loghin, Adrian) Edited by: Moldovan L; Gligor A Source: 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018) Book Series: Procedia Manufacturing Volume: 32 Pages: 167-170 DOI: 10.1016/j.promfg.2019.02.198 Published: 2019 Accession Number: WOS:000471295800024	0		
16.3	Title: Experimental-theoretical approach to the identification of effective sound attenuation panels from recycled materials Author(s): Ivanova, Y (Ivanova, Y.); Vassilev, V (Vassilev, V.); Djondjorov, P (Djondjorov, P.); Djoumaliski, S (Djoumaliski, S.) Source: BULGARIAN CHEMICAL COMMUNICATIONS Volume: 47 Special Issue: B Pages: 443-450 Published: 2015 Accession Number: WOS:000377776700062 [2015 ISI Impact Factor: 0.229]	0.229		
16.4	Title: The Effects of Different Particle Sizes of Recycled Acrylonitrile Butadiene Rubber and Its Blend Ratios on Mechanical and Morphological Properties of vNBR/rNBR Blends Author(s): Nasir, MRJ (Nasir, Muhammad Ridhwan Jamalul); Zulkepli, NN (Zulkepli, Nik Norman); Abdullah, MMA (Abdullah, Mohd Mustafa Al Bakri); Omar, MF (Omar, Mohd Firdaus); Ismail, H (Ismail, Hanafi); Sandu, AV (Sandu, Andrei Victor) Source: MATERIALE PLASTICE Volume: 51 Issue: 2 Pages: 201-204 Published: JUN 2014 Accession Number: WOS:000339475200019 [2014 ISI Impact Factor: 0.824]	0.824		
16.5	Title: Studies on Grit Use in Asphalt Mixtures (II) Author(s): Buruiana, DL (Buruiana, Daniela Laura); Bordei, M (Bordei, Marian); Sandu, AV (Sandu, Andrei Victor); Chirculescu, AI (Chirculescu, Andreea Irina); Sandu, IG (Sandu, Ioan Gabriel) Source: MATERIALE PLASTICE Volume: 50 Issue: 2 Pages: 113-118 Published: JUN 2013 Accession Number: WOS:000320842600009 [2021 ISI Impact Factor: 0.782]	0.782		
16.6	Title: Recycling Waste Grit in Mix Asphalt Author(s): Buruiana, DL (Buruiana, Daniela Laura); Bordei, M (Bordei, Marian); Sandu, IG (Sandu, Ioan Gabriel); Chirculescu, AI (Chirculescu, Andreea Irina); Sandu, I (Sandu, Ion) Source: MATERIALE PLASTICE Volume: 50 Issue: 1 Pages: 36-39 Published: MAR 2013 Accession Number: WOS:000317025000008 [2021 ISI Impact Factor: 0.782]	0.782		
17	vasile O., Miculescu F., Voicu S.I., "Correlation aspects between morphology, infrared and acoustic absorptions properties of various materials", Optoelectronics and Advanced Materials – Rapid Communications (OAM-RC), vol. 6, Issue 5-6, 2012, pp. 631-638, ISSN 1842-6573. (ISI Index refereed, http://oam-rc.inoe.ro , http://info.scopus.com/detail/what/ , Thomson - Web of Science) Accession Number: WOS: 000306577000025; 2017 Impact Factor = 0,386 CITAT ÎN:	2		
17.1	Title: RECOVERY OF SAWDUST AND RECYCLED RUBBER GRANULES AS SOUND ABSORBING MATERIALS Author(s): Tiuc, AE (Tiuc, Ancuta-Elena); Dan, V (Dan, Viorel); Vermesan, H (Vermesan, Horatiu); Gabor, T (Gabor, Timea); Proorocu, M (Proorocu, Marian) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1093-1101 DOI: 10.30638/eemj.2016.122 Published: MAY 2016 Accession Number: WOS:000381274100020 [2016 ISI Impact Factor: 1.096]	1.096		
17.2	Title: Implant surface finishing influence on tissue-implant anchoring Author(s): Miculescu, F (Miculescu, Florin); Ciocan, LT (Ciocan, Lucian Toma); Miculescu, M (Miculescu, Marian); Meghea, D (Meghea, Daniela); Bane, M (Bane, Marin); Branzei, M (Branzei, Mihai) Edited by: Nicoara M; Opris C Source: ADVANCED MATERIALS AND STRUCTURES V Book Series: Solid State Phenomena Volume: 216 Pages: 39-44 DOI: 10.4028/www.scientific.net/SSP.216.39 Published: 2014 Accession Number: WOS:000347924100007	0		
18	Bratu M., Kopota I., vasile O., Dumitrescu O., Muntean M., "Sound-absorbing properties of composite materials reinforced with various wastes", Environmental Engineering and Management Journal, August 2011, Vol. 10, No. 8, pp. 1047-1051, ISSN 1582-9596. (ISI Index refereed, http://omicron.ch.tuiasi.ro/EEMJ/ , Google Scholar, http://info.scopus.com/detail/what/ , SCOPUS, Thomson - Web of Science). Accession Number: WOS: 000296758300009; 2011 ISI Impact Factor = 1,004 CITAT ÎN:	10		

18.1	<p>Title: The Acoustic Performance of Expanded Perlite Composites Reinforced with Rapeseed waste and Natural Polymers Author(s): Nastac, S (Nastac, Silviu); Nechita, P (Nechita, Petronela); Debeleac, C (Debeleac, Carmen); Simionescu, C (Simionescu, Cristian); Seciureanu, M (Seciureanu, Mihai) Source: SUSTAINABILITY Volume: 14 Issue: 1 Article Number: 103 DOI: 10.3390/su14010103 Published: JAN 2022 Accession Number: WOS:000758562600001 [2021 ISI Impact Factor: 3.889]</p>	3.889		
18.2	<p>Title: Acoustic performance of natural fiber reinforced polymer composites: influencing factors, future scope, challenges, and applications Author(s): Das, PP (Das, Partha Pratim); Chaudhary, V (Chaudhary, Vijay); Ahmad, F (Ahmad, Furkan); Manral, A (Manral, Ankit); Gupta, S (Gupta, Sumit); Gupta, P (Gupta, Pallav) Source: POLYMER COMPOSITES Volume: 43 Issue: 3 Pages: 1221-1237 DOI: 10.1002/pc.26455 Early Access Date: DEC 2021 Published: MAR 2022 Accession Number: WOS:000732616400001 [2021 ISI Impact Factor: 3.531]</p>	3.531		
18.3	<p>Title: Evaluation of Enset Fabric Reinforced Green Composite as Sound Absorber Structure Author(s): Temesgen, AG (Temesgen, Alhayat Getu); Eren, R (Eren, Recep); Aykut, Y (Aykut, Yakup); Suvari, F (Suvari, Fatih) Source: TEKSTIL VE KONFEKSIYON Volume: 31 Issue: 2 Pages: 73-81 DOI: 10.32710/tektstilvekonfeksiyon.688371 Published: APR-JUN 2021 Accession Number: WOS:000691751800001 [2021 ISI Impact Factor: 0.703]</p>	0.703		
18.4	<p>Title: Acoustic, Mechanical and Thermal Properties of Green Composites Reinforced with Natural Fibers Waste Author(s): Hassan, T (Hassan, Tufail); Jamshaid, H (Jamshaid, Hafsa); Mishra, R (Mishra, Rajesh); Khan, MQ (Khan, Muhammad Qamar); Petru, M (Petru, Michal); Novak, J (Novak, Jan); Choteborsky, R (Choteborsky, Rostislav); Hromasova, M (Hromasova, Monika) Source: POLYMERS Volume: 12 Issue: 3 Article Number: 654 DOI: 10.3390/polym12030654 Published: MAR 2020 Accession Number: WOS:000525952000153 [2021 ISI Impact Factor: 4.967]</p>	4.967		
18.5	<p>Title: A review on the taxonomy, factors associated with sound absorption and theoretical modeling of porous sound absorbing materials Author(s): Kalauni, K (Kalauni, Kishor); Pawar, SJ (Pawar, S. J.) Source: JOURNAL OF POROUS MATERIALS Volume: 26 Issue: 6 Pages: 1795-1819 DOI: 10.1007/s10934-019-00774-2 Published: DEC 2019 Accession Number: WOS:000495414300022 [2021 ISI Impact Factor: 2.523]</p>	2.523		
18.6	<p>Title: The Effect of Various Minerals on Sound Transmission Loss and Mechanical Properties of Polypropylene Author(s): Sarikanat, M (Sarikanat, M.); Secgin, A (Secgin, A.); Uysalman, T (Uysalman, T.); Tantug, GS (Tantug, G. Sevig); Ozkaya, M (Ozkaya, M.); Atagur, M (Atagur, M.); Altay, L (Altay, L.); Seki, Y (Seki, Y.) Source: ACTA PHYSICA POLONICA A Volume: 135 Issue: 5 Pages: 1055-1057 DOI: 10.12693/APhysPolA.135.1055 Published: MAY 2019 Accession Number: WOS:000481717400051 [2021 ISI Impact Factor: 0.725]</p>	0.725		
18.7	<p>Title: EXPERIMENTING RIGID AND ELASTIC CLAMPING METHODS OF ACOUSTIC SCREEN Author(s): Tomozei, C (Tomozei, Claudia); Nedeff, V (Nedeff, Valentin); Panainte, M (Panainte, Mirela); Telibasa, G (Telibasa, Gabriela) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 17 Issue: 12 Pages: 2881-2888 DOI: 10.30638/eemj.2018.288 Published: DEC 2018 Accession Number: WOS:000456043800012 [2018 ISI Impact Factor: 1.186]</p>	1.186		
18.8	<p>Title: Polymer Composites Materials with Some Solid Organic Wastes Author(s): Dumitrescu, O (Dumitrescu, Ovidiu); Ropota, I (Ropota, Ioan); Muntean, M (Muntean, Marcela) Source: REVISTA DE CHIMIE Volume: 67 Issue: 11 Pages: 2243-2245 Published: NOV 2016 Accession Number: WOS:000388361900024 [2016 ISI Impact Factor: 1.232]</p>	1.232		
18.9	<p>Title: MATHEMATICAL MODELLING OF SOUND PRESSURE LEVEL ATTENUATION TRANSMITTED BY AN ACOUSTIC SCREEN IN INDUSTRIAL ENVIRONMENT Author(s): Tomozei, C (Tomozei, Claudia); Nedeff, F (Nedeff, Florin); Paraschiv, G (Paraschiv, Gigel); Irimia, O (Irimia, Oana); Ardeleanu, G (Ardeleanu, Greta); Petrovici, AC (Petrovici, Alina Contu) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 13 Issue: 7 Pages: 1743-1749 DOI: 10.30638/eemj.2014.194 Published: JUL 2014 Accession Number: WOS:000344577400024 [2021 ISI Impact Factor: 0.628]</p>	0.628		
18.10	<p>Title: NEW POLYURETHANE - HYDROXYAPATITE COMPOSITES MEMBRANE Author(s): Ciobanu, G (Ciobanu, Gabriela); Luca, C (Luca, Constantin); Ilisei, S (Ilisei, Simona); Luca, AC (Luca, Alina Costina) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 11 Issue: 2 Pages: 291-295 DOI: 10.30638/eemj.2012.037 Published: FEB 2012 Accession Number: WOS:000303276000010 [2012 ISI Impact Factor: 1.117]</p>	1.117		

19	Bratu M., Kopota I., Vasile O. , Dumitrescu O., Muntean M., Research on the absorbing properties of some new types of composite materials, Romanian Journal of Materials 2011, vol. 41 (2), pp. 147-154, ISSN 1583-3186 (ISI Index refereed, SCOPUS, http://info.scopus.com/detail/what/ , Thomson - Web of Science) Accession Number: WOS: 000291847700008; 2021 ISI Impact Factor = 0,628 CITAT ÎN:	7		
19.1	Title: RECOVERY OF SAWDUST AND RECYCLED RUBBER GRANULES AS SOUND ABSORBING MATERIALS Author(s): Tiuc, AE (Tiuc, Ancuta-Elena); Dan, V (Dan, Viorel); Vermesan, H (Vermesan, Horatiu); Gabor, T (Gabor, Timea); Proorocu, M (Proorocu, Marian) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1093-1101 DOI: 10.30638/eemj.2016.122 Published: MAY 2016 Accession Number: WOS:000381274100020 [2016 ISI Impact Factor: 1.096]	1.096		
19.2	Title: Design of Acoustic Textiles: Environmental Challenges and Opportunities for Future Direction Author(s): Yilmaz, ND (Yilmaz, Nazire Deniz) Edited by: Padhye R; Nayak R Source: ACOUSTIC TEXTILES Book Series: Textile Science and Clothing Technology Pages: 185-210 DOI: 10.1007/978-981-10-1476-5_9 Published: 2016 Accession Number: WOS:000401737500010	0		
19.3	Title: BIOCOMPOSITE STRUCTURES AS SOUND ABSORBER MATERIAL Author(s): Yilmaz, ND (Yilmaz, Nazire Deniz); Powell, NB (Powell, Nancy B.) Edited by: Thakur VK; Kessler MR Source: GREEN BIORENEWABLE BIOCOMPOSITES: FROM KNOWLEDGE TO INDUSTRIAL APPLICATIONS Pages: 161-198 Published: 2015 Accession Number: WOS:000387292700006	0		
19.4	Title: RECYCLING SOLID WASTES AS POLYMER COMPOSITE Author(s): Ropota, I (Ropota, Ion); Bratu, M (Bratu, Mihai); Dragnea, D (Dragnea, Draga); Dumitrescu, O (Dumitrescu, Ovidiu); Muntean, O (Muntean, Ovidiu); Muntean, M (Muntean, Marcela) Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 58 Issue: 4 Pages: 213-225 Published: DEC 2013 Accession Number: WOS:000342728500019 [2021 ISI Impact Factor: 0.558]	0.558		
19.5	Title: RESEARCHES REGARDING THE NOISE AND VIBRATIONS OF METAL TOOTHED WHEEL GEARS AFTER APPLYING A FLUOROPOLYMER DISPERSION OF XYLAN 1052 Author(s): Caramidaru, VD (Caramidaru, V. D.); Vela, I (Vela, I); Tufoi, M (Tufoi, M.); Gruescu, CA (Gruescu, C. A.) Edited by: Otto T Source: PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE OF DAAAM BALTIC INDUSTRIAL ENGINEERING, VOLS 1 AND 2 Pages: 129-133 Published: 2012 Accession Number: WOS:000392535600020	0		
19.6	Title: RESEARCH REGARDING ACOUSTICAL PROPERTIES OF RECYCLED COMPOSITE Author(s): Stanciu, MD (Stanciu, M. D.); Curtu, I (Curtu, I); Cosoreanu, C (Cosoreanu, C.); Lica, D (Lica, D.); Nastac, S (Nastac, S.) Edited by: Otto T Source: PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE OF DAAAM BALTIC INDUSTRIAL ENGINEERING, VOLS 1 AND 2 Pages: 741-746 Published: 2012 Accession Number: WOS:000392535600121	0		
19.7	Title: DETERMINATION OF THE SOUND ABSORPTION PROPERTIES OF SOME NEW COMPOSITE MATERIALS OBTAINED FROM WASTES Author(s): Borlea, A (Borlea (Tiuc), Ancuta); Rusu, T (Rusu, Tiberiu); Ionescu, S (Ionescu, Silviu); Nemes, O (Nemes, Ovidiu) Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 42 Issue: 4 Pages: 405-414 Published: 2012 Accession Number: WOS:000313318800012 [2021 ISI Impact Factor: 0,628]	0.628		
20	Curtu I., Stanciu M.D., Cosoreanu C., Vasile O. , "Assessment of Acoustic Properties of Biodegradable Composite Materials with Textile Inserts", Revista de Materiale Plastice, Vol. 49, Issue 1, 2012, pp. 68-72, ISSN 0025-5289, ISI Index refereed. (ISI Index refereed, Google Scholar, http://www.revmaterialeplactice.ro/ , cotată ISI Thomson - Web of Science) Accession Number: WOS: 000303486000013; 2021 Impact Factor = 0,782 CITAT ÎN:	14		
20.1	Title: Investigation of Acoustic Efficiency of Wood Charcoal in Impedance Tube for Usage in Sound-Reflective Devices Author(s): Khrystoslavenko, O (Khrystoslavenko, Olga); Grubliauskas, R (Grubliauskas, Raimondas) Source: SUSTAINABILITY Volume: 14 Issue: 15 Article Number: 9431 DOI: 10.3390/su14159431 Published: AUG 2022 Accession Number: WOS:000839252300001 [2021 ISI Impact Factor: 3,889]	3.889		
20.2	Title: Investigation and evaluation of the performance of interior finishing panels made from denim textile waste Author(s): Juciene, M (Juciene, Milda); Dobilaitė, V (Dobilaitė, Vaida); Albrektas, D (Albrektas, Darius); Bliudzius, R (Bliudzius, Raimondas) Source: TEXTILE RESEARCH JOURNAL DOI: 10.1177/00405175221109636 Early Access Date: JUN 2022 Accession Number: WOS:000822263300001 [2021 ISI Impact Factor: 2,455]	2.455		

20.3	Title: Agar-Based Composite Films as Effective Biodegradable Sound Absorber Author(s): Kumar, S (Kumar, Surendra); Jahan, K (Jahan, Kousar); Verma, A (Verma, Abhishek); Agarwal, M (Agarwal, Manan); Chandraprakash, C (Chandraprakash, C.) Source: ACS SUSTAINABLE CHEMISTRY & ENGINEERING DOI: 10.1021/acssuschemeng.2c00168 Early Access Date: JUN 2022 Accession Number: WOS:000818806700001 [2021 ISI Impact Factor: 9,224]	9.224		
20.4	Title: Development of nonwoven composites from recycled cotton/polyester apparel waste materials for sound absorbing and insulating properties Author(s): Sakthivel, S (Sakthivel, S.); Kumar, SS (Kumar, S. Senthil); Melese, B (Melese, Bahiru); Mekonnen, S (Mekonnen, Seblework); Solomon, E (Solomon, Eshetu); Edae, A (Edae, Ashenafi); Abedom, F (Abedom, Fasika); Gedilu, M (Gedilu, Mekdes) Source: APPLIED ACOUSTICS Volume: 180 Article Number: 108126 DOI: 10.1016/j.apacoust.2021.108126 Early Access Date: MAY 2021 Published: SEP 2021 Accession Number: WOS:000655494800010 [2021 ISI Impact Factor: 3,614]	3.614		
20.5	Title: Studies on the sound absorption and transmission loss performances of wood-based, natural and waste materials Author(s): Lee, HM (Lee, Hsiao Mun); Luo, WS (Luo, Wensheng); Xie, JL (Xie, Jinlong); Wen, GL (Wen, Guilin); Lee, HP (Lee, Heow Pueh) Source: ACTA MECHANICA SINICA Volume: 37 Issue: 5 Special Issue: SI Pages: 861-873 DOI: 10.1007/s10409-021-01082-2 Early Access Date: APR 2021 Published: MAY 2021 Accession Number: WOS:000642054200001 [2021 ISI Impact Factor: 2.91]	2.91		
20.6	Title: Environmentally-friendly thermal and acoustic insulation materials from recycled textile Author(s): Islam, S (Islam, Shafiqul); Bhat, G (Bhat, Gajanan) Source: JOURNAL OF ENVIRONMENTAL MANAGEMENT Volume: 251 Article Number: 109536 DOI: 10.1016/j.jenvman.2019.109536 Published: DEC 1 2019 Accession Number: WOS:000494052300017 [2021 ISI Impact Factor: 8.91]	8.91		
20.7	Title: Experimental and finite element approach for finding sound absorption coefficient of bio-based foam Author(s): Yuvarai, L (Yuvarai, L.); Jeyanthi, S (Jeyanthi, S.); Chinnapandi, LBM (Chinnapandi, Lenin Babu Mailan) Source: JOURNAL OF VIBROENGINEERING Volume: 21 Issue: 6 Pages: 1761-1771 DOI: 10.21595/jve.2019.20335 Published: SEP 2019 Accession Number: WOS:000488761000020	0		
20.8	Title: An investigation on transparency and mechano-acoustic properties of Poly Methyl Methacrylate/Polycarbonate Based Nanocomposites Author(s): Naderzadeh, M (Naderzadeh, Mahdiyeh); Ghasemi, I (Ghasemi, Ismaeil); Monazzam, MR (Monazzam, Mohammad Reza); Arabalibeik, H (Arabalibeik, Hossein) Source: JOURNAL OF POLYMERS AND THE ENVIRONMENT Volume: 26 Issue: 6 Pages: 2640-2649 DOI: 10.1007/s10924-017-1106-2 Published: JUN 2018 Accession Number: WOS:000432803400039 [2021 ISI Impact Factor: 4.705]	4.705		
20.9	Title: Research of Chosen Acoustics Descriptors of Developed Materials from Old Automobile Recycled Materials Author(s): Badida, M (Badida, Miroslav); Sobotova, L (Sobotova, Lydia); Badidova, A (Badidova, Anna); Moravec, M (Moravec, Marek); Mikulova, A (Mikulova, Alzbeta) Source: RECYCLING Volume: 3 Issue: 2 Article Number: 29 DOI: 10.3390/recycling3020029 Published: JUN 2018 Accession Number: WOS:000816823400001	0		
20.10	Title: Sound absorption analysis of castor oil based polyurethane foam with natural fiber Author(s): Yuvaraj, L (Yuvaraj, L.); Jeyanthi, S (Jeyanthi, S.); Babu, MCL (Babu, M. C. Lenin) Source: MATERIALS TODAY-PROCEEDINGS Volume: 5 Issue: 11 Pages: 23534-23540 DOI: 10.1016/j.matpr.2018.10.141 Part: 3 Published: 2018 Accession Number: WOS:000452560600006	0		
20.11	Title: Nanofiber-enhanced lightweight composite textiles for acoustic application Author(s): Kucukali-Ozturk, M (Kucukali-Ozturk, Merve); Ozden-Yenigun, E (Ozden-Yenigun, Elif); Nergis, B (Nergis, Banu); Candan, C (Candan, Cevza) Source: JOURNAL OF INDUSTRIAL TEXTILES Volume: 46 Issue: 7 Pages: 1498-1510 DOI: 10.1177/1528083715622427 Published: MAR 2017 Accession Number: WOS:000401733000003 [2021 ISI Impact Factor: 2.926]	2.926		
20.12	Title: RECOVERY OF SAWDUST AND RECYCLED RUBBER GRANULES AS SOUND ABSORBING MATERIALS Author(s): Tiuc, AE (Tiuc, Ancuta-Elena); Dan, V (Dan, Viorel); Vermesan, H (Vermesan, Horatiu); Gabor, T (Gabor, Timea); Proorocu, M (Proorocu, Marian) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1093-1101 DOI: 10.30638/eej.2016.122 Published: MAY 2016 Accession Number: WOS:000381274100020 [2021 ISI Impact Factor: 0,858]	0.858		

20.13	Title: Mechanical characterization of the flax/epoxy composite materia Author(s): Cerbu, C (Cerbu, Camelia) Edited by: Moldovan L Source: 8TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING, INTER-ENG 2014 Book Series: Procedia Technology Volume: 19 Pages: 268-275 DOI: 10.1016/j.protcy.2015.02.039 Published: 2015 Accession Number: WOS:000358732500038	0		
20.14	Title: RESEARCH REGARDING ACOUSTICAL PROPERTIES OF RECYCLED COMPOSITE Author(s): Stanciu, MD (Stanciu, M. D.); Curtu, I (Curtu, I); Cosoreanu, C (Cosoreanu, C.); Lica, D (Lica, D.); Nastac, S (Nastac, S.) Edited by: Otto T Source: PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE OF DAAAM BALTIC INDUSTRIAL ENGINEERING, VOLS 1 AND 2 Pages: 741-746 Published: 2012 Accession Number: WOS:000392535600121	0		
21	Borlea S.I., Tiuc A.E., Nemes O., Vermesan H., Vasile O. , "Innovative Use of Sheep Wool for Obtaining Materials with Improved Sound-Absorbing Properties", MATERIALS, vol. 13, Issue 3, 2020, DOI: 10.3390/ma13030694, eISSN: 1996-1944, Article Number: 694. (cotata ISI Thomson - Web of Science) Accession Number: WOS:000515503100201; 2021 Impact Factor = 3,748 CITAT ÎN:	13		
21.1	Title: Enhanced acoustic properties of concrete composites comprising modified waste sheep wool fiber: Author(s): Alyousef, R (Alyousef, Rayed) Source: JOURNAL OF BUILDING ENGINEERING Volume: 56 Article Number: 104815 DOI: 10.1016/j.jobe.2022.104815 Published: SEP 15 2022 Accession Number: WOS:000836432400001 [2021 ISI Impact Factor: 7.144]	7.144		
21.2	Title: The progress and prospect for sustainable development of waste wool resources Author(s): Sun, YL (Sun, Yanli); Li, B (Li, Bo); Zhang, Y (Zhang, Yao); Dou, H (Dou, Hao); Fan, W (Fan, Wei); Wang, SJ (Wang, Shujuan) Source: TEXTILE RESEARCH JOURNAL Article Number: 00405175221098572 DOI: 10.1177/00405175221098572 Early Access Date: MAY 2022 Accession Number: WOS:000799898900001 [2021 ISI Impact Factor: 2.455]	2.455		
21.3	Title: Investigation of usability of boron doped sheep wool as insulation material and comparison with existing insulation materials Author(s): Altin, M (Altin, Mustafa); Yildirim, GS (Yildirim, Giray Samil) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 331 Article Number: 127303 DOI: 10.1016/j.conbuildmat.2022.127303 Published: MAY 9 2022 Accession Number: WOS:000792550700003 [2021 ISI Impact Factor: 7.693]	7.693		
21.4	Title: An Integrated Approach to Using Sheep wool as a Fibrous material for Enhancing Strength and Transport Properties of Concrete Composites Author(s): Alyousef, R (Alyousef, Rayed); Mohammadhosseini, H (Mohammadhosseini, Hossein); Ebid, AAK (Ebid, Ahmed Abdel Khalek); Alabduljabbar, H (Alabduljabbar, Hisham) Source: MATERIALS Volume: 15 Issue: 5 Article Number: 1638 DOI: 10.3390/ma15051638 Published: MAR 2022 Accession Number: WOS:000771515300001 [2021 ISI Impact Factor: 3.748]	3.748		
21.5	Title: Manufacturing and utilization of novel sustainable composites using puned wool fibers waste from leather tanneries: Mechanical, physical, and dynamic characterization Author(s): Nassef, M (Nassef, Mohamed); Elbasyoni, AM (Elbasyoni, Ahmed M.); Badr, AA (Badr, Alaa A.); Alnahrawy, A (Alnahrawy, Ashraf); Hassanin, AH (Hassanin, Ahmed H.) Source: JOURNAL OF INDUSTRIAL TEXTILES Volume: 51 Issue: 4_SUPPL Pages: 5708S-5727S Article Number: 15280837211073358 DOI: 10.1177/15280837211073358 Early Access Date: JAN 2022 Supplement: 4 Published: JUN 2022 Accession Number: WOS:000749913400001 [2021 ISI Impact Factor: 2.926]	2.926		
21.6	Title: Obtaining and Characterization of New Materials Author(s): Sandu, AV (Sandu, Andrei Victor) Source: MATERIALS Volume: 14 Issue: 21 Article Number: 6606 DOI: 10.3390/ma14216606 Published: NOV 2021 Accession Number: WOS:000722384100001 [2021 ISI Impact Factor: 3.748]	3.748		
21.7	Title: Optimizing Supercritical Carbon Dioxide in the Bacterial Inactivation and Cleaning of Sheep wool Fiber by Using Response Surface Methodology Author(s): Allafi, FA (Allafi, Faisal Aboelkasim); Hossain, MS (Hossain, Md Sohrab); Shaah, M (Shaah, Marwan); Lalung, J (Lalung, Japarang); Ab Kadir, MO (Ab Kadir, Mohd Omar); Ahmad, MI (Ahmad, Mardiana Idayu) Source: JOURNAL OF NATURAL FIBERS DOI: 10.1080/15440478.2021.1964131 Early Access Date: SEP 2021 Accession Number: WOS:000703440000001 [2021 ISI Impact Factor: 3.507]	3.507		

21.8	<p>Title: Exopolysaccharide production with high antibacterial efficiency from <i>Lentinus edodes</i> using sheep wool protein hydrolysate</p> <p>Author(s): Arslan, NP (Arslan, Nazli Pinar); Cinar-Yilmaz, H (Cinar-Yilmaz, Handan); Vural-Keles, D (Vural-Keles, Dilek); Doymus, M (Doymus, Meryem); Yilmaz, F (Yilmaz, Ferah); Taskin, M (Taskin, Mesut)</p> <p>Source: BIOMASS CONVERSION AND BIOREFINERY Volume: 12 Issue: 2 Pages: 537-546 DOI: 10.1007/s13399-021-01864-5 Early Access Date: AUG 2021 Published: FEB 2022</p> <p>Accession Number: WOS:000686080100002 [2021 ISI Impact Factor: 4.05]</p>	4.05		
21.9	<p>Title: Development of an acoustic material property database and universal airflow resistivity mode</p> <p>Author(s): Dunne, RK (Dunne, R. K.); Desai, DA (Desai, D. A.); Heyns, PS (Heyns, P. S.)</p> <p>Source: APPLIED ACOUSTICS Volume: 173 Article Number: 107730 DOI: 10.1016/j.apacoust.2020.107730 Published: FEB 2021</p> <p>Accession Number: WOS:000595628100040 [2021 ISI Impact Factor: 3.614]</p>	3.614		
21.10	<p>Title: waterless processing of sheep wool fiber in textile industry with supercritical CO₂: Potential and challenges</p> <p>Author(s): Allafi, FAS (Allafi, Faisal Aboelksim Salem); Hossain, MS (Hossain, Md Sohrab); Ab Kadir, MO (Ab Kadir, Mohd Omar); Shaah, MAH (Shaah, Marwan Abdul Hakim); Lalung, J (Lalung, Japareng); Ahmad, MI (Ahmad, Mardiana Idayu)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 285 Article Number: 124819 DOI: 10.1016/j.jclepro.2020.124819 Early Access Date: JAN 2021 Published: FEB 20 2021</p> <p>Accession Number: WOS:000616698200004 [2021 ISI Impact Factor: 11.07]</p>	11.072		
21.11	<p>Title: A review on novel approaches to enhance sound absorbing performance using textile fibers</p> <p>Author(s): Madushika, JWA (Madushika, Jayawardana Withanage Achini); Lanarolle, WDG (Lanarolle, Wilathgamuwa Don Gamini)</p> <p>Source: JOURNAL OF THE TEXTILE INSTITUTE Volume: 113 Issue: 2 Pages: 341-348 DOI: 10.1080/00405000.2021.1872831 Early Access Date: JAN 2021 Published: FEB 1 2022</p> <p>Accession Number: WOS:000608900900001 [2021 ISI Impact Factor: 1.77]</p>	1.77		
21.12	<p>Title: An integrated approach to convert lignocellulosic and wool residues into balanced fertilizer</p> <p>Author(s): Marchelli, F (Marchelli, Filippo); Rovero, G (Rovero, Giorgio); Curti, M (Curti, Massimo); Arato, E (Arato, Elisabetta); Bosio, B (Bosio, Barbara); Moliner, C (Moliner, Cristina)</p> <p>Source: ENERGIES Volume: 14 Issue: 2 Article Number: 497 DOI: 10.3390/en14020497 Published: JAN 2021</p> <p>Accession Number: WOS:000611221900001 [2021 ISI Impact Factor: 3.252]</p>	3.252		
21.13	<p>Title: Sound absorption, thermal, and flame retardant properties of nonwoven wall cloth with waste fibers</p> <p>Author(s): Lyu, LH (Lyu, Lihua); Li, CW (Li, Changwei); Wang, Y (Wang, Ying); Lu, J (Lu, Jing); Guo, J (Guo, Jing)</p> <p>Source: JOURNAL OF ENGINEERED FIBERS AND FABRICS Volume: 15 Article Number: 1558925020934124 DOI: 10.1177/1558925020934124 Published: JUN 2020</p> <p>Accession Number: WOS:000544750600001 [2021 ISI Impact Factor: 2]</p>	2		
22	<p>Gillich N., Tufisi C., Vasile O., Gillich G.R., "Statistical Method for Damage Severity and Frequency Drop Estimation for a Cracked Beam using Static Test Data", Romanian Journal of Acoustics and Vibration, vol. 16, issue 1, 2019, ISSN 1584-7284, pp. 47-51. (indexată ISI Thomson - Web of Science)</p> <p>Accession Number: WOS:000502625500006 CITAT ÎN:</p>	6		
22.1	<p>Title: Determining the Severity of Open and Closed Cracks Using the Strain Energy Loss and the Finite Element Method</p> <p>Author(s): Tufisi, C (Tufisi, Cristian); Rusu, CV (Rusu, Catalin, V); Gillich, N (Gillich, Nicoleta); Pop, MV (Pop, Marius Vasile); Hamat, CO (Hamat, Codruta Oana); Sacarea, C (Sacarea, Christian); Gillich, GR (Gillich, Gilbert-Rainer)</p> <p>Source: APPLIED SCIENCES-BASEL Volume: 12 Issue: 14 Article Number: 7231 DOI: 10.3390/app12147231 Published: JUL 2022</p> <p>Accession Number: WOS:000831646400001 [2021 ISI Impact Factor: 2.838]</p>	2.838		
22.2	<p>Title: Beam Damage Assessment Using Natural Frequency Shift and Machine Learning</p> <p>Author(s): Gillich, N (Gillich, Nicoleta); Tufisi, C (Tufisi, Cristian); Sacarea, C (Sacarea, Christian); Rusu, CV (Rusu, Catalin V.); Gillich, GR (Gillich, Gilbert-Rainer); Praisach, ZI (Praisach, Zeno-Iosif); Ardeljan, M (Ardeljan, Mario)</p> <p>Source: SENSORS Volume: 22 Issue: 3 Article Number: 1118 DOI: 10.3390/s22031118 Published: FEB 2022</p> <p>Accession Number: WOS:000754795400001 [2021 ISI Impact Factor: 3.847]</p>	3.847		
22.3	<p>Title: Damage Detection on a Beam with Multiple Cracks: A Simplified Method Based on Relative Frequency Shifts</p> <p>Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Maia, NMM (Maia, Nuno M. M.); Wahab, MA (Wahab, Magd Abdel); Tufisi, C (Tufisi, Cristian); Korca, ZI (Korca, Zoltan-Iosif); Gillich, N (Gillich, Nicoleta); Pop, MV (Pop, Marius Vasile)</p> <p>Source: SENSORS Volume: 21 Issue: 15 Article Number: 5215 DOI: 10.3390/s21155215 Published: AUG 2021</p> <p>Accession Number: WOS:000682346000001 [2021 ISI Impact Factor: 3.847]</p>	3.847		

22.4	Title: A structural health monitoring Python code to detect small changes in frequencies Author(s): Nedelcu, D (Nedelcu, Dorian); Gillich, GR (Gillich, Gilbert-Rainer) Source: MECHANICAL SYSTEMS AND SIGNAL PROCESSING Volume: 147 Article Number: 107087 DOI: 10.1016/j.ymsp.2020.107087 Published: JAN 15 2021 Accession Number: WOS:000572359600008 [2021 ISI Impact Factor: 8.934]	8.934		
22.5	Title: Locating Transverse Cracks in Prismatic Beams Using Random Forest Method and The Frequency Drop Author(s): Tufisi, C (Tufisi, Cristian); Rusu, VC (Rusu, Vasile-Catalin); Gillich, GR (Gillich, Gilbert-Rainer) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 18 Issue: 2 Pages: 119-125 Published: 2021 Accession Number: WOS:000756914600009	0		
22.6	Title: Assessing the Accuracy of a New Model for T-Shaped Cracks Author(s): Gillich, GR (Gillich, Gilbert-Rainer); Tufisi, C (Tufisi, Cristian); Lupu, D (Lupu, David); Hamat, OC (Hamat, Oana Codruta) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 16 Issue: 2 Pages: 119-124 Published: 2019 Accession Number: WOS:000593692900005	0		
23	Truc A.E., Vasile O., Usca A.D., Gabor T., Vermesan H., "The Analysis of Factors That Influence the Sound Absorption Coefficient of Porous Materials", Romanian Journal of Acoustics and Vibration, Vol. 11, Issue 2, 2014, pp. 105-108, ISSN 1584-7284. (CNCSIS B+/ BDI: Google Scholar, IndexCopernicus, ProQuest, EBSCO, SCOPUS: http://info.scopus.com/detail/what/) CITAT ÎN:	12		
23.1	Title: Application of acoustic impedance gun to non-destructively monitor stone damage Author(s): Navacerrada, MA (Navacerrada, M. A.); Barbero-Barrera, MM (Barbero-Barrera, M. M.); Fort, R (Fort, R.); de la Prida, D (de la Prida, D.); Nunlez, JC (Nunlez, J. C.); Gomez, TS (Gomez, T. S.) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 323 Article Number: 126510 DOI: 10.1016/j.conbuildmat.2022.126510 Published: MAR 14 2022 Accession Number: WOS:000766197100002	7.693		
23.2	Title: Acoustic performance of natural fiber reinforced polymer composites: influencing factors, future scope, challenges, and applications Author(s): Das, PP (Das, Partha Pratim); Chaudhary, V (Chaudhary, Vijay); Ahmad, F (Ahmad, Furkan); Manral, A (Manral, Ankit); Gupta, S (Gupta, Sumit); Gupta, P (Gupta, Pallav) Source: POLYMER COMPOSITES Volume: 43 Issue: 3 Pages: 1221-1237 DOI: 10.1002/pc.26455 Early Access Date: DEC 2021 Published: MAR 2022 Accession Number: WOS:000732616400001	3.531		
23.3	Title: Effect of 3D-Printed PLA Structure on Sound Reflection Properties Author(s): Monkova, K (Monkova, Katarina); Vasina, M (Vasina, Martin); Monka, PP (Monka, Peter Pavol); Vanca, J (Vanca, Jan); Kozak, D (Kozak, Dražan) Source: POLYMERS Volume: 14 Issue: 3 Article Number: 413 DOI: 10.3390/polym14030413 Published: FEB 2022 Accession Number: WOS:000756486900001	4.967		
23.4	Title: Sound-absorbing porous materials: a review on polyurethane-based foams Author(s): Rastegar, N (Rastegar, Niloofar); Ershad-Langroudi, A (Ershad-Langroudi, Amir); Parsimehr, H (Parsimehr, Hamidreza); Moradi, G (Moradi, Gholamreza) Source: IRANIAN POLYMER JOURNAL Volume: 31 Issue: 1 Special Issue: SI Pages: 83-105 DOI: 10.1007/s13726-021-01006-8 Early Access Date: JAN 2022 Published: JAN 2022 Accession Number: WOS:000742255200001	2.485		
23.5	Title: Effect of the Pore Shape and Size of 3D-Printed Open-Porous ABS Materials on Sound Absorption Performance Author(s): Monkova, K (Monkova, Katarina); Vasina, M (Vasina, Martin); Monka, PP (Monka, Peter Pavol); Kozak, D (Kozak, Dražan); Vanca, J (Vanca, Jan) Source: MATERIALS Volume: 13 Issue: 20 Article Number: 4474 DOI: 10.3390/ma13204474 Published: OCT 2020 Accession Number: WOS:000583015600001	3.748		
23.6	Title: Sound absorption of wet knitted fabrics: influence of fibers cross-section shape, stitch density and mechanical modification of surface Author(s): Saffari, MR (Saffari, Mohammad-Reza); Dolatabadi, MK (Kamali Dolatabadi, Mehdi); Rashidi, A (Rashidi, Abosaeed); Yazdanshenas, ME (Yazdanshenas, Mohammad Esmail) Source: INTERNATIONAL JOURNAL OF CLOTHING SCIENCE AND TECHNOLOGY Volume: 33 Issue: 4 Pages: 606-618 DOI: 10.1108/IJCST-01-2020-0006 Early Access Date: DEC 2020 Published: JUL 1 2021 Accession Number: WOS:000596402900001	1.006		
23.7	Title: Wood ash as a supplementary cementing material in foams for thermal and acoustic insulation Author(s): Stolz, J (Stolz, Jonathan); Boluk, Y (Boluk, Yaman); Bindiganavile, V (Bindiganavile, Vivek) Source: CONSTRUCTION AND BUILDING MATERIALS Volume: 215 Pages: 104-113 DOI: 10.1016/j.conbuildmat.2019.04.174 Published: AUG 10 2019 Accession Number: WOS:000474322400009	7.693		

23.8	Title: Mechanical, thermal and acoustic properties of cellular alkali activated fly ash concrete Author(s): Stolz, J (Stolz, Jonathan); Boluk, Y (Boluk, Yaman); Bindiganavile, V (Bindiganavile, Vivek) Source: CEMENT & CONCRETE COMPOSITES Volume: 94 Pages: 24-32 DOI: 10.1016/j.cemconcomp.2018.08.004 Published: NOV 2018 Accession Number: WOS:000451493000003	9.93		
23.9	Title: Preparation of sound-insulating material based on discarded cow hair Author(s): Zhang, YW (Zhang, Yiwei); Zhang, BM (Zhang, Benmin); Shan, ZH (Shan, Zhihua) Source: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 135 Issue: 23 Article Number: 46332 DOI: 10.1002/app.46332 Published: JUN 15 2018 Accession Number: WOS:000427252800007	3.057		
23.10	Title: Assessing Individual and Environmental Sound Pressure Level and Sound Mapping in Iranian Safety Shoes Factory Author(s): Zare, S (Zare, Sajad); Hasheminejad, N (Hasheminejad, Naser); Shirvan, HE (Shirvan, Hossein Elahi); Hasanvand, D (Hasanvand, Davood); Hemmatjo, R (Hemmatjo, Rasoul); Ahmadi, S (Ahmadi, Saeid) Source: ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION Volume: 15 Issue: 1 Pages: 20-25 Published: 2018 Accession Number: WOS:000444766100004	0		
23.11	Title: Material characterization of blended sisal-kenaf composites with an ABS matrix Author(s): Dunne, R (Dunne, R.); Desai, D (Desai, D.); Sadiku, R (Sadiku, R.) Source: APPLIED ACOUSTICS Volume: 125 Pages: 184-193 DOI: 10.1016/j.apacoust.2017.03.022 Published: OCT 2017 Accession Number: WOS:000403117600019	3.614		
23.12	Title: A Review of the Factors that Influence Sound Absorption and the Available Empirical Models for Fibrous Materials Author(s): Dunne, R (Dunne, R.); Desai, D (Desai, D.); Sadiku, R (Sadiku, R.) Source: ACOUSTICS AUSTRALIA Volume: 45 Issue: 2 Pages: 453-469 DOI: 10.1007/s40857-017-0097-4 Published: AUG 2017 Accession Number: WOS:000415005000026	1.891		
	...			
		C 1089.2	Obligatoriu	25