

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE
in domeniul INGINERIA MEDIULUI a candidatului Șef de lucrări Dr. Ing. Maria RĂPĂ,
conform ANEXA Nr. 4 din Ordinul nr. 6129/2016 (Anexa nr. 18 la Ordinul nr. 6.560/2012,
Anexa nr. 18 - COMISIA INGINERIA MEDIULUI)

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din
învățământul superior și a gradelor profesionale de cercetare-dezvoltare

1. Condiții minimale (cumulative)		Condiții Profesor	Punctaj obținut
a)	NT	≥ 25	85
b1)	NP	≥ 10	39
b2)	Număr lucrări în reviste cu FI>1	Minim 6	51
c)	FIC	≥ 20	108
	Brevete naționale (FI-1) și internaționale (FI-3) intră în calcul	-	4,92
d)	NC	≥ 100	611

Se definesc:

NT- număr total de articole în reviste ISI

NP – număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

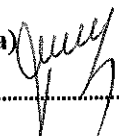
FIC – factor de impact cumulate (suma factorilor de impact al revistelor la momentul suținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NC – număr total de citări din baza SCOPUS sau ISI Web of Science, excluzându-se autocitările

Candidat,
Răpă Maria

Data
22.07.2022

(semnatura)

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IN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate

TABELUL 1. Verificare criteriul NP, FIC si NC

Nr.	Autori/Denumire articol/Revista	FI 2020/2021	Nr. Autori	NP (Autor principal sau de corespondenta)	FIC
1	Matei, E; Predescu, AM*; Rapa, M* ; Turcanu, AA; Mates, I; Constantin, N; Predescu, C. Natural Polymers and Their Nanocomposites Used for Environmental Applications. <i>Nanomaterials</i> 2022, 12 (10). Article Number 1707, doi: 10.3390/nano12101707, WOS:000804280700001, eISSN: 2079-4991.	5,719	7	Autor corespondent	2,859
2	Darie-Nita, R.N.; Rapa, M.* ; Frackowiak, S. Special Features of Polyester-Based Materials for Medical Applications. <i>Polymers</i> 2022, 14 (5), Article Number 951, doi:10.3390/polym14050951. WOS:000769424200001, eISSN 2073-4360.	4,967	3	Autor corespondent	4,967
3	Răpă, M. ; Turcanu, A.A.; Matei, E.; Predescu, A.M.; Pantilimon, M.C.; Coman, G.; Predescu, C. Adsorption of Copper (II) from Aqueous Solutions with Alginate/Clay Hybrid Materials. <i>Materials</i> 2021, 14 (23), 7187. Doi: 10.3390/ma14237187, WOS:000735380900001. eISSN: 1996-1944	3,748	7	Prim autor	3,748
4	Răpă, M. , Gaidau, C., Mititelu-Tartau, L., Berechet, M.-D.; Berbecaru, A. C.; Rosca, I.; Chiriac, A. P.; Matei, E.; Predescu, A.-M.; Predescu, C. Bioactive Collagen Hydrolysate-Chitosan/Essential Oil Electrospun Nanofibers Designed for Medical Wound Dressings. <i>Pharmaceutics</i> 2021, 13(11), 1939; Doi:10.3390/pharmaceutics13111939. WOS:000724396700001.	6,525	10	Prim autor	6,525
5	Răpă, M. ; Zaharia, C.; Stănescu, P. O.; Cășărică, A.; Matei, E.; Predescu, A. M.; Pantilimon, M. C.; Vidu, R.; Predescu, C.; Cioflan, H. <i>In Vitro</i> Degradation of PHB/Bacterial Cellulose Biocomposite Scaffolds. <i>Int J Polym Sci Volume</i> 2021, Article ID 3820364, 8 pages. Doi:10.1155/2021/3820364. ISSN 1687-9422, WOS:000708262800001.	2,973	10	Prim autor	2,973
6	Răpă, M. ; Stefan, M.; Popa, P.A.; Toloman, D.; Leostean, C.; Borodi, G.; Vodnar, D.C.; Wrona, M.; Salafranca, J.; Nerin, C.; Barta, D.G.; Suci, M.; Predescu, C.; Matei, E. Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. <i>Polymers</i> 2021, 13, 2123. Doi:10.3390/polym13132123. WOS:000671105600001.	4,967	14	Prim autor	4,967
7	Darie-Niță, R.N.; Răpă, M.* ; Sivertsvik, M.; Rosnes, J.T.; Popa, E.E.; Dumitriu, R.P.; Marincaș, O.; Matei, E.; Predescu, C.; Vasile, C. PLA-Based Materials Containing Bio-Plasticizers and Chitosan Modified with Rosehip Seed Oil for Ecological Packaging. <i>Polymers</i> 2021, 13, 1610. Doi:10.3390/polym13101610. WOS:000655229600001.	4,967	10	Autor corespondent	4,967
8	Matei, E., Gaidau, C., Rapa, M.* , Stefan, L.M., Ditu, L.M., Predescu, A.M., Stanca, M., Pantilimon, M.C., Berechet, M.D., Predescu, C., Mosutiu, A. Sustainable Coated Nanostructures Based on Alginate and Electrospun Collagen Loaded with Antimicrobial	3,263	11	Autor corespondent	3,263

	Agents. <i>Coatings</i> , Volume: 11, Issue: 2, 2021, Article Number: 121, DOI:10.3390/coatings11020121, WOS:000622376200001, eISSN: 2079-6412.				
9	E. Matei, A. M. Predescu*, M. Rapa* , A. Turcanu, C. Predescu, R. Vidu, L. Favier, C. I. Covaliu, D. Ignat, V. Grigore. Testing of Alginate/Chitosan/Glass Bubbles Adsorbent for Copper Removal from Wastewater. <i>Mater. Plast.</i> , 58 (1), 2021, 19-26. Doi:10.37358/MP.21.1.5441.	0,782	10	Autor corespondent	0,391
10	Rapa, M. ; Vasile, C. Chitin- and Chitosan-Based Bionanocomposites for Active Packaging. In: CHITIN- AND CHITOSAN-BASED BIOCOMPOSITES FOR FOOD PACKAGING APPLICATIONS 2020, Page 59-68, Edited by: Jacob, J; Loganathan, S; Thomas, S. Document Type: Article; Book Chapter, ISBN 978-1-000-02515-6978-0-367-28090-1. WOS:000674785200007.	0	2	Prim autor	0
11	Matei, E.; Gaidau, C.; Răpă, M. ; Constantinescu, R.; Savin, S.; Berechet, M.D.; Predescu, A.M.; Berbecaru, A.C.; Coman, G.; Predescu, C. Sustainable Rabbit Skin Glue to Produce Bioactive Nanofibers for Nonactive Wound Dressings. <i>Materials</i> 2020, 13, 5388. Doi:10.3390/ma13235388. WOS:000597553100001	3,748	10	Autor corespondent	1,874
12	M. Răpă , C. Gaidau, L.M. Stefan, E. Matei, M. Niculescu, M. D. Berechet, M. Stanca, C. Tablet, M. Tudorache, R. Gavrilă, C. Predescu and R. Vidu. New Nanofibers Based on Protein By-Products with Bioactive Potential for Tissue Engineering. <i>Materials</i> 2020, 13(14), 3149; Doi:10.3390/ma13143149. WOS:000554173300001.	3,748	12	Prim autor	3,748
13	Berechet, M.D.; Gaidau, C.*; Miletic, A.; Pilic, B.; Răpă, M.* ; Stanca, M.; Ditu, L.-M.; Constantinescu, R.; Lazea-Stoyanova, A. Bioactive Properties of Nanofibres Based on Concentrated Collagen Hydrolysate Loaded with Thyme and Oregano Essential Oils. <i>Materials</i> 2020, 13(7), 1618. Doi:10.3390/ma13071618. WOS:000529875600136.	3,748	9	Autor corespondent	1,874
14	E. Matei, M. Rapa , C.I. Covaliu, A.M. Predescu, A. Turcanu, C. Predescu, D. Ignat, G. Vlad. Sodium Alginate-Cellulose-Nano-Clay Composite Adsorbent Applied for Lead Removal from Wastewater. <i>Rev. Chim.</i> 2020, 71(3), 416-424. Doi:10.37358/RC.20.3.801. ISSN: 0034-7752.	1,755	8	Autor corespondent	1,755
15	M. Răpă ; L.M. Stefan; T. Zaharescu; A.M. Seciu; A. A. Turcanu; E. Matei; A.M. Predescu; I. Antoniac; C. Predescu. Development of Bionanocomposites Based on PLA, Collagen and AgNPs and Characterization of Their Stability and In Vitro Biocompatibility. <i>Appl. Sci.</i> 2020, 10(7), 2265. Doi:10.3390/app10072265, WOS:000533356200064, eISSN: 2076-3417.	2,838	9	Prim autor	2,838
16	M. Răpă , B.N. Spurcaci, G. Coman, C. A. Nicolae, R.A. Gabor, P.N. Ghioca, A.C. Berbecaru, E. Matei and C. Predescu. Effect of Styrene-Diene Block Copolymers and Glass Bubbles on the Post-Consumer Recycled Polypropylene Properties. <i>Materials</i> 2020, 13 (3), 543; Doi:10.3390/ma13030543. WOS:000515503100050. eISSN: 1996-1944	3,748	9	Prim autor	3,748
17	M. Rapa , E. Matei, A. Turcanu, A.M. Predescu, M.C. Pantilimon, C. Predescu. Structural, morphological and thermal analysis of some alginate/starch/Dellite HPS composites for aqueous Cu(II) removal. <i>Cellulose</i>	1,387	6	Prim autor	1,387

	<i>Chemistry and Technology</i> 2019, 53(5-6), 561-571, DOI: 10.35812/CelluloseChemTechnol.2019.53.56. WOS:000473779300016, ISSN: 0576-9787.				
18	M. Rapa , R.N. Darie-Nita, P. Preda, V. Coroiu, R. Tatia, C. Vasile, E. Matei, A. M. Predescu, M.E. Maxim. PLA/collagen hydrolysate/silver nanoparticles bionanocomposites for potential antimicrobial urinary drains. <i>Polymer-Plastics Technology and Materials</i> 2019, 58(18), 2041-2055. DOI: 10.1080/25740881.2019.1603999. WOS:000470320800001. ISSN: 2574-0881.	2,439	9	Prim autor	2,439
19	M. Rapa , L.M. Stefan, P. Preda, R.N. Darie-Nita, A. Gaspar-Pintiliescu, A. M. Seciu, C. Vasile, E. Matei, A.M. Predescu. Effect of hydrolyzed collagen on thermal, mechanical and biological properties of poly(lactic acid) bionanocomposites. <i>Iranian Polymer Journal</i> , 2019, 28(4) 271–282. Doi: 10.1007/s13726-019-00694-7, WOS:000465837200001, ISSN:1026-1265.	2,485	9	Prim autor	2,485
20	M. Rapa , E. Matei, P. N. Ghioca, E. Grosu, L. Iancu, B. Spurcaci, A.R. Trifoi, T. Gherman, A. Pica, A.M. Predescu, C. Cincu, A.A. Andras. Improvement of some post-consumer polypropylene (rPP) by melt modification with styrene-diene block copolymers. <i>Environmental Engineering and Management Journal</i> 2017, Vol 16, No 11, 2615-2624. DOI: 10.30638/eemj.2017.272. WOS:000419141500022, ISSN: 1582-9596	0,858	12	Prim autor	0,858
21	M. Rapa , R.N. Darie-Nita, A.M. Irimia, M. Sivertsvik, J.T. Rosnes, A.R. Trifoi, C. Vasile, E.E. Tanase, T. Gherman, M.E. Popa, A.C. Mitelut. Comparative Analysis of Two Bioplasticizers Used to Modulate the Properties of PLA Biocomposites. <i>Materiale Plastice</i> 2017, 54(4), 610-615. Doi:10.37358/mp.17.4.4910. WOS:000426412500003, ISSN: 0025-5289.	0,782	11	Prim autor	0,782
22	C. Vasile, M. Răpă* , M. Ștefan, M. Stan, S. Macavei, R. N. Darie-Niță, L. Barbu-Tudoran, D.C. Vodnar, E. E. Popa, R. Ștefan, G. Borodi, M. Brebu. New PLA/ZnO:Cu/Ag bionanocomposites for food packaging. <i>eXPRESS Polymer Letters</i> 2017, Vol.11, No.7, 531–544, Doi:10.3144/expresspolymlett.2017.51. WOS:000402574900003, ISSN: 1788-618X	3,952	12	Autor corespondent	3,952
23	E. Matei, M. Răpă* , A.A. Andras, A.M. Predescu*, C. Pantilimon, A. Pica, and C. Predescu. Recycled Polypropylene Improved with Thermoplastic Elastomers. <i>International Journal of Polymer Science</i> 2017, Volume 2017, Article ID 7525923, 10 pages, 2017. DOI: 10.1155/2017/7525923. WOS:000399244300001. ISSN: 1687-9422.	2,973	7	Autor corespondent	1,4865
24	M. Rapa , R. N. Darie Nita, C. Vasile. Influence of plasticizers over some physico-chemical properties of PLA. <i>Materiale Plastice</i> 2017, 54, No.1, 73-78, DOI: 10.37358/mp.17.1.4789, WOS:00040069900017.	0,782	3	Prim autor	0,782
25	M. Rapa , P.N. Ghioca, E. Matei, E. Grosu, L. Iancu, B. Spurcaci, R.M. Grigorescu, A. Pica, C.A. Berbecaru, C. Cincu. Influence of Styrene Block Copolymers on Thermal and Mechanical Properties of Recycled Polypropylene. <i>Materiale Plastice</i> 2016, 53(4):727-732, WOS:000395047100033.	0,782	10	Prim autor	0,782
26	M. Rapa , A.C. Mitelut, E.E. Tanase, E. Grosu, P. Popescu, M.E. Popa, J.T. Rosnes, M. Sivertsvik, R.N.	11,322	10	Prim autor	11,322

	Darie-Niță, C. Vasile. Influence of chitosan on mechanical, thermal, barrier and antimicrobial properties of PLA-biocomposites for food packaging. <i>Composites Part B Engineering</i> 2016, 102, 112-121. Doi:10.1016/j.compositesb.2016.07.016, WOS:000383006600010 ISSN: 1359-8368, eISSN: 1879-1069.				
27	M. Răpă , E. Grosu, P.N. Ghioca, L. Iancu, B. Spurcaci, A. Pica, R. Gardu, C. Cincu. Evaluation of Mechanical and Thermal Properties of Polypropylene Random Copolymer and Triblock Copolymer Blends. <i>Materiale Plastice</i> 2016, 53(1), 68-72. WOS:000373966500016.	0,782	8	Prim autor	0,782
28	D. Dimonie, M. Musat, S.M. Doncea, C.M. Damian, L. Anton, E. Vasile, R. Trusca, M. Răpă* . Controlling the Melt Resistance to Flow as a Possibility of Improving the Miscibility and the Time Behavior of Some Blends Based on Starch. <i>International Journal of Polymer Science</i> 2015, Volume 2015, Article ID 582901, 12 pages. Doi: 10.1155/2015/582901, WOS:000367598100001, ISSN: 1687-9422, eISSN: 1687-943.0	2,973	8	Autor corespondent	2,973
29	M. Răpă , E. Matei, P.N. Ghioca, C. Cincu, M. Niculescu. Structural changes of modified polypropylene with thermoplastic elastomers for medical devices applications. <i>Journal of Adhesion Science and Technology</i> 2016, 30(16), 1727-1740. Doi:10.1080/01694243.2015.1132103. WOS:000373945200003 ISSN: 0169-4243 (Print) 1568-5616 (Online).	2,431	5	Prim autor	2,431
30	P. Stoica, M. Răpă* , M.C. Chifiriuc, M. Lungu, R. Tatia, V. Coroiu, G. Vlad, V. Lazăr. Novel Bioactive and Biodegradable Materials for Medical Applications. <i>Environmental Engineering and Management Journal</i> , 2015, 14(11), 2703-2711. WOS:0003690909900022. ISSN: 1582-9596, eISSN: 1843-3707.	0,858	8	Autor corespondent	0,858
31	M. Răpă , R.N. Darie-Niță, E. Grosu, E.E. Tănase, A.R. Trifoi, T. Pap, C. Vasile. Effect of plasticizers on melt processability and properties of PHB. <i>Journal of Optoelectronics and Advanced Materials</i> 2015, Vol. 17, No. 11-12, 1778 – 1784. ISSN: 1454-4164, eISSN: 1841-7132, WOS:000368046700026.	0,5	7	Prim autor	0,5
32	M. Răpă , C. Zaharia, M. Lungu, P.O. Stănescu, P. Stoica, E. Grosu, R. Tatia, V. Coroiu. Biocompatibility of PHAs biocomposites obtained by melt processing. <i>Materiale Plastice</i> 2015, 52(3), 295-300. WOS:000362382300005.	0,782	8	Prim autor	0,782
33	M. Răpă , M.E. Popa, P.C. Cornea, V.I. Popa, E. Grosu, M. Geicu-Cristea, P. Stoica, E.E. Tănase. Degradation study by <i>Trichoderma</i> spp. of poly (3-hydroxybutyrate) and wood fibers composites. <i>Romanian Biotechnological Letters</i> 2014, Vol.19, No. 3, 9390-9399, WOS:000338844400012, ISSN: 1224-5984	0,765	8	Prim autor	0,765
34	M. Răpă , P. Stoica, E.E. Tănase, E. Grosu, G. Vlad. Preparation of medical devices with antimicrobial properties. <i>Journal of Optoelectronics and Advanced Materials</i> 2013, Vol. 15, No. 7-8, 807-816. WOS:000323397900037, ISSN: 1454-4164.	0,5	5	Prim autor	0,5
35	M. Răpă , P.N. Ghioca, E. Grosu, L. Iancu, B. Spurcaci, R. Grigorescu, A. Trifoi, C. Cincu. Development of new recycled polypropylene/styrene isoprene-styrene block	0,5	8	Prim autor	0,5

	copolymers composites. <i>Journal of Optoelectronics and Advanced Materials</i> 2013, Vol. 15, No. 7-8, 817 – 822. WOS:000323397900038, ISSN: 1454-4164.				
36	M. Răpă , M.E. Popa, P. Cinelly, A. Lazzeri, E. Grosu, F. Burnichi. Biodegradable alternative to plastics for agriculture application. <i>Romanian Biotechnological Letters</i> 2011, Vol. 16, No. 6, Supplement, 59-64, WOS:000299296200009, ISSN: 1224-5984.	0,765	6	Prim autor	0,765
37	M. Răpă , M.E. Popa, E. Grosu, M. Geicu, P. Stoica. Evaluation of the biodegrading action of the Penicillium Sp. on some composites based on PHB. <i>Romanian Biotechnological Letters</i> 2011, Vol. 16, No.1, Supplement, pg. 9-18, Bucharest, WOS:000287994100003, ISSN: 1224-5984.	0,765	5	Prim autor	0,765
38	M. Răpă , E. Grosu, C. Degeratu, A. Scheau, C. Stănescu. Biodegradable Blends Prepared from Poly(3-hydroxybutyrate) and Wood/cellulose Fibers. <i>Materiale Plastice</i> 2010, 47, No. 4, 503-508, WOS:000291134000022, ISSN: 0025-5289.	0,782	5	Prim autor	0,782
39	M. Răpă , E. Grosu, Z. Vuluga, A. Scheau, C. Stănescu. Biodegradable Blend Based on LDPE/Starch with Agriculture Applications. <i>Materiale Plastice</i> 2010, 47, No. 3, 346-351, WOS:000283484600016, ISSN: 0025-5289.	0,782	5	Prim autor	0,782
TOTAL FACTOR DE IMPACT CUMULAT DIN ARTICOLE ISI IN CALITATE DE AUTOR PRINCIPAL/DE CORESPONDENTA		NP: 39			FIG: 89,9575
46 articole ISI – co-autor					
40	Vasile, C.; Pamfil, D.; Zaharescu, T.; Dumitriu, R.P.; Pricope, G.M.; Răpă, M. ; Vasilievici, G. Effect of Gamma Irradiation on the PLA-Based Blends and Biocomposites Containing Rosemary Ethanolic Extract and Chitosan. <i>Polymers</i> 2022, 14(7), Article number: 1398, Doi:10.3390/polym14071398, WOS:000780999000001.	4,967	7	Co-autor	0,7095
41	Matei, E.; Covaliu-Mierla, C.I.; Turcanu, A.A.; Răpă, M. ; Predescu, A.M.; Predescu, C. Multifunctional Membranes-A Versatile Approach for Emerging Pollutants Removal. <i>Membranes</i> 2022, 12(1), Article Number 67. Doi:10.3390/membranes12010067. WOS:000746969300001. eISSN 2077-0375	4,562	6	Co-autor	0,7603
42	Matei, E.; Răpă, M. ; Predescu, A.M.; Turcanu, A.A.; Vidu, R.; Predescu, C.; Bobirica, C.; Bobirica, L.; Orbeci, C. Valorization of Agri-Food Wastes as Sustainable Eco-Materials for Wastewater Treatment: Current State and New Perspectives. <i>Materials</i> 2021, 14, 4581. Doi:10.3390/ma14164581. WOS:000689458700001	3,748	9	Co-autor	0,4164
43	Predescu, A.M.; Matei, E.; Berbecaru, A.C.; Răpă, M. ; Sohaciu, M.G.; Predescu, C.; Vidu, R. An Innovative Method of Converting Ferrous Mill Scale Wastes into Superparamagnetic Nanoadsorbents for Water Decontamination. <i>Materials</i> 2021, 14, 2539. Doi:10.3390/ma14102539. WOS:000662524100001.	3,748	7	Co-autor	0,5354
44	Negroiu, M.; Turcanu, A.A.; Matei, E.; Răpă, M. ; Covaliu, C.I.; Predescu, A.M.; Pantilimon, C.M.; Coman, G.; Predescu, C. Novel Adsorbent Based on Banana Peel Waste for Removal of Heavy Metal Ions from Synthetic Solutions. <i>Materials</i> 2021, 14, 3946.	3,748	9	Co-autor	0,4164

	Doi:10.3390/ma14143946. WOS:000676569200001.				
45	Gaidau, C.; Stanca, M.; Niculescu, M.-D.; Alexe, C.-A.; Becheritu, M.; Horoiias, R.; Cioineag, C.; Răpă, M. ; Stanculescu, I.R. Wool Keratin Hydrolysates for Bioactive Additives Preparation. <i>Materials</i> 2021 , <i>14</i> , 4696. Doi:10.3390/ma14164696. WOS:000689379800001.	3,748	9	Co-autor	0,4164
46	Predescu, A.M.; Matei, E.; Berbecaru, A.C.; Răpă, M. ; Sohaciu, M.G.; Predescu, C.; Vidu, R. An Innovative Method of Converting Ferrous Mill Scale Wastes into Superparamagnetic Nanoadsorbents for Water Decontamination. <i>Materials</i> 2021 , <i>14</i> , 2539. Doi:0.3390/ma14102539. WOS:000662524100001.	3,748	7	Co-autor	0,5354
47	Matei, E; Covaliu, CI; Coman, G; Negroiu, M; Rapa, M. ; Predescu, AM; Berbecaru, AC; Predescu, C; Vaju, D; Grigore, V., Nonwoven Bio-Based Membranes for Removal of Micropollutants from Aqueous Water, <i>Materiale Plactice</i> 2020 , Volume: 57, Issue: 4, Pages: 34-44, WOS:000617344900004.	0,782	10	Co-autor	0,0782
48	Vasile, E.; Radu, I.-C.; Galateanu, B.; Rapa, M. ; Hudita, A.; Jianu, D.; Stanescu, P.-O.; Cioflan, H.; Zaharia, C. Novel Nanocomposites Based on Bacterial Polyester/LDH-SDS Clay for Stem Cells Delivery in Modern Wound Healing Management. <i>Materials</i> 2020 , <i>13</i> , 4488. DOI: 10.3390/ma13204488. WOS:000585623200001.	3,748	9	Co-autor	0,4164
49	T. Zaharescu, M. Răpă , I. Blanco, T. Borbath and I. Borbath. Durability of LDPE/UHMWPE Composites under Accelerated Degradation. <i>Polymers</i> 2020 , <i>12</i> , 1241; Doi:10.3390/polym12061241. WOS:000550763800001.	4,967	5	Co-autor	0,9934
50	A. Codreanu, C. Balta, H. Herman, C. Cotoraci, C.V. Mihali, N. Zurbau, C. Zaharia, M. Rapa , P. Stanescu, I.C. Radu, E. Vasile, G. Lupu, B. Galateanu, A. Hermenean. Bacterial Cellulose-Modified Polyhydroxyalkanoates Scaffolds Promotes Bone Formation in Critical Size Calvarial Defects in Mice. <i>Materials</i> 2020 , <i>13</i> (6), 1433; Doi:10.3390/ma13061433. WOS:000529208000172. eISSN: 1996-1944.	3,748	14	Co-autor	0,2677
51	T. Zaharescu, A.M. Lupu (Luchian), E.M. Lungulescu, M. Rapa , H. Iovu. Availability of PLA/SIS blends for packaging and medical applications. <i>Radiation Physics and Chemistry</i> 2020 , <i>172</i> , 108696. Doi:10.1016/j.radphyschem.2020.108696. WOS:000541935100002. ISSN: 0969-806X.	2,776	5	Co-autor	0,5552
52	C. Bobirică, L. Bobirică, M. Răpă , E. Matei, A.M. Predescu, C. Orbeci. Photocatalytic Degradation of Ampicillin Using PLA/TiO ₂ Hybrid Nanofibers Coated on Different Types of Fiberglass. <i>Water</i> 2020 , <i>12</i> (1), 176. Doi:10.3390/w12010176. WOS:000519847200176. eISSN: 2073-4441.	3,53	6	Co-autor	0,5883
53	T. Zaharescu, C. Tardei, M. Răpă , M. Iordoc. Size particle effects on the thermal stability of poly(lactic acid)/hydroxyapatite hybrids for biodegradable package. <i>Ceramics International</i> 2020 , <i>46</i> (6), 7288-7297. Doi:10.1016/j.ceramint.2019.11.223. WOS:000519661800034. ISSN: 0272-8842.	5,532	4	Co-autor	1,383

54	Preda P., Rapa M. , Nicoara A., Tutunaru O., Avram M., Fikai A. Soil burial biodegradation of PLA/hydrolysed collagen/silver nanoparticles bionanocomposites. <i>Revista de Chimie</i> 2020 , 71 (4), pp. 128-135.	1,755	6	Co-autor	0,2925
55	R.M. Grigorescu, P. Ghioca, L. Iancu, M.E. Grigore, R.M. Ion, C.-A. Nicolae, R. Gabor, M. I. Filipescu, M. Rapa , R.D. Trusca, M. Ghiurea. Impact strength elastomer composites based on polystyrene components separated from waste electrical and electronic equipment. <i>J. Appl. Polym. Sci.</i> 2019 , 48329. Doi: 10.1002/app.48329. WOS:000479832300001. ISSN: 0021-8995.	3,057	11	Co-autor	0,2779
56	G.L. Gavril, M. Wrona, A. Bertella, M. Świeca, M. Răpă , J. Salafranca, C. Nerin. Influence of medicinal and aromatic plants into risk assessment of a new bioactive packaging based on polylactic acid (PLA). <i>Food and Chemical Toxicology</i> 2019 , Vol. 132, Article number 110662, Doi: 10.1016/j.fct.2019.110662. WOS:000484647100018. ISSN: 0278-6915.	5,572	7	Co-autor	0,796
57	D. Dimonie, C. Damian, R. Trusca, M. Rapa . Some Aspects Conditioning the Achieving of Filaments for 3D Printing from Physical Modified Corn Starch. <i>Materiale Plastice</i> 2019 , 56, No. 2, 351-359. Doi:10.37358/MP.19.2.5185, WOS:000476641000012, ISSN: 0025-5289.	0,782	4	Co-autor	0,1955
58	E. Matei, A.M. Predescu, M. Răpă , C. Tarcea, C.M. Pantilimon, L. Favier, A. C. Berbecaru, M. Sohaciu, C. Predescu. Removal of Chromium(VI) from Aqueous Solution Using a Novel Green Magnetic Nanoparticle – Chitosan Adsorbent. <i>Analytical Letters</i> 2019 , 52(15), 2416-2438, DOI: 10.1080/00032719.2019.1601734. WOS:000465837200001, ISSN: 0003-2719.	2,267	9	Co-autor	0,2518
59	A.M. Predescu, E. Matei, M. Răpă , M.C. Pantilimon, G. Coman, S. Savin, E.E. Popa, C. Predescu. Adsorption of Lead(II) from Aqueous Solution Using Chitosan and Polyvinyl Alcohol Blends. <i>Analytical Letters</i> 2019 , 52(15), 2365-2392. DOI: 10.1080/00032719.2019.1588286. WOS:000474683600003. ISSN: 0003-2719.	2,267	8	Co-autor	0,2833
60	T. Zaharescu, M. Răpă , E.M. Lungulescu, N. Butoi. Filler effect on the degradation of γ -processed PLA/vinyl POSS hybrid. <i>Radiation Physics and Chemistry</i> 2018 , 153, 188-197. Doi: 10.1016/j.radphyschem.2018.09.025, WOS:000452576200026, ISSN: 0969-806X.	2,776	4	Co-autor	0,694
61	E. Grosu, A. Trifoi, M. Rapa , T. Gherman, A. Turcanu, P. Filip. Study of the Drug Diffusion Through Polymeric Membranes. <i>Rev. Chim. (Bucharest)</i> 2018 , 69(4), 783-789. Doi:10.37358/rc.18.4.6200. WOS:000433223000006, ISSN: 0034-7752.	1,755	6	Co-autor	0,2925
62	T. Gherman, V. Popescu, R. Carpa, G.L. Gavril, M. Rapa , E.E. Oprescu. Salvia Officinalis Essential Oil Loaded Gelatin Hydrogel as Potential Antibacterial Wound Dressing Material. <i>Rev. Chim. (Bucharest)</i> 2018 , 69(2), 410-414. Doi:10.37358/RC.18.2.6118. WOS:000427327700027, ISSN: 0034-7752.	1,755	6	Co-autor	0,2925
63	T. Gherman, V. Popescu, R. Carpa, M. Rapa , G.L. Gavril, M.C. Dudescu, D. Bombos. Potential Use of Galium verum Essential Oil for Antibacterial Properties in Gelatin Based Hydrogels Prepared by Microwave	1,755	7	Co-autor	0,2507

	Irradiation Technique. <i>Rev. Chim. (Bucharest)</i> , 2018 , 69(3), 575-580. WOS:000430946500009, Doi: 10.37358/RC.18.3.6152. ISSN: 0034-7752				
64	E.E. Popa, M. Rapa , C.P. Cornea, V.I. Popa, A.C. Mitelut, O. Popa, M. Geicu Cristea, M.E. Popa. PHB/cellulose fibres composites colonization and biodegradation behavior. <i>Materiale Plastice</i> 2018 , 55(1), 48-53. Doi:10.37358/mp.18.1.4962. WOS:000444129500012. ISSN: 0025-5289	0,782	8	Co-autor	0,0977
65	C. Vasile, D. Pamfil, M. Rapa , R.N. Darie-Nita, A. Mitelut, E. Popa, P. Popescu, M. Draghici, M.E. Popa. Study of the soil burial degradation of some PLA/CS biocomposites. <i>Composites Part B</i> 2018 , 142, 251-262. Doi: 10.1016/j.compositesb.2018.01.026. WOS:000431157500022, ISSN: 1359-8368	11,322	9	Co-autor	1,258
66	E.E. Popa, M. Rapa , O. Popa, G. Mustatea, V.I. Popa, A.C. Mitelut, M.E. Popa. Polylactic Acid/Cellulose Fibres Based Composites for Food Packaging Applications. <i>Materiale Plastice</i> 2017 , 54(4), 673-677. Doi: 10.37358/mp.17.4.4923. WOS:000426412500016. ISSN: 0025-5289.	0,782	7	Co-autor	0,1117
67	Stoica, P.; Chifiriuc, M. C.; Rapa, M. ; Lazar V. Overview of biofilm-related problems in medical devices. <i>BIOFILMS AND IMPLANTABLE MEDICAL DEVICES: INFECTION AND CONTROL</i> Book Edited by: Deng, Y; Lv, W. Book Series: Woodhead Publishing Series in Biomaterials, Pages: 3-23 DOI: 10.1016/B978-0-08-100382-4.00001-0. Published: 2017, Document Type: Article; Book Chapter, WOS:000415038100002. ISBN:978-0-08-100398-5; 978-0-08-100382-4. ISSN: 2049-9485.	0	4	Co-autor	0
68	P. Ghioca, L. Iancu, R. M. Grigorescu, B. Spurcaci, M. Rapa , C. Cincu, A. Pica, E. Matei. Recovered polypropylene composites with high impact strength. <i>Materiale Plastice</i> 2017 , 54(1), 18-21. Doi: 10.37358/mp.17.1.4776. WOS:000400629900004. ISSN: 0025-5289.	0,782	8	Co-autor	0,0977
69	T. Zaharescu, M. Rapa , V. Marinescu. Chemiluminescence kinetic analysis on the oxidative degradation of poly(lactic acid). <i>Journal of Thermal Analysis and Calorimetry</i> 2017 , 128, 185-191. Doi: 10.1007/s10973-016-5944-2. WOS:000396056500018. ISSN: 1388-6150.	4,755	3	Co-autor	1,585
70	E. Stoleru, B.S. Munteanu, R.N. Darie-Nita, G.M. Pricope, M. Lungu, A. Irimia, M. Rapa , R.D. Lipşa, C. Vasile. Complex Poly(lactic acid)-Based Biomaterial for Urinary Catheters. Part II. Biocompatibility, Functional Properties and Degradability. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> 2016 , Volume 5, Issue 4, Pages 152-166. Doi: 10.1680/jbibn.15.00012. WOS:000388270800002. ISSN: 2045-9858.	1,732	9	Co-autor	0,1924
71	R.N. Darie-Niță, C. Vasile, A. Irimia, R. Lipşa, M. Rapa . Evaluation of some eco-friendly plasticizers for PLA films processing. <i>J. Appl. Polym. Sci.</i> 2016 , Volume 133, Issue 13, DOI: 10.1002/APP.43223. WOS: 000367914700009. ISSN: 0021-8995.	3,057	5	Co-autor	0,6114
72	L. Jecu, E. Grosu, I. Raut, V. Purcar, Z. Vuluga, M. Iorga, G. Vasilescu, M. Rapa , M. Badea-Doni, M. L. Arsene. Susceptibility of Thermoplastic Based Composites to Degradation by Microorganisms.	0,858	10	Co-autor	0,0858

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	<i>Environmental Engineering and Management Journal</i> 2015, Vol.14, No. 11, 2545-2554. Print ISSN: 1582-9596, WOS:000369099900007.				
73	D. Dimonie, M. Petrache, C. Damian, L. Anton, M. Musat, Ș.O. Dima, C. Jinescu, M. Râpă . New Evidences on the Process Sensitivity of Some Renewable Blends Based on Starch considering Their Melt Rheological Properties. <i>International Journal of Polymer Science</i> 2016, Volume 2016, Article ID 7873120, 10 pages, Doi:10.1155/2016/7873120. WOS:000371576200001. ISSN: 1687-9422.	2,973	8	Co-autor	0,3716
74	P. Ghioca, B. Spurcaci, L. Iancu, R. Grigorescu, M. Râpă , E. Grosu, E. Matei, C. Berbecaru, A. Pica, R. Gardu, C. Cincu. Composite of Waste Polypropylene by Styrene-Isoprene Block-copolymers Blending. <i>Materiale Plastice</i> 2015, 52(3), 281-285. WOS:000362382300002.	0,782	11	Co-autor	0,0710
75	P. Stoica, M.C. Chifiriuc, M. Râpă , C. Bleotu, L. Lungu, G. Vlad, R. Grigore, Ș. Berteșteanu, E. Stavropoulou, V. Lazăr. Fabrication, characterization and bioevaluation of novel antimicrobial composites based on polycaprolactone, chitosan and essential oils. <i>Romanian Biotechnological Letters</i> 2015, Vol. 20, No. 3, 10521-10535, WOS:000357415900018. ISSN: 1224-5984.	0,765	10	Co-autor	0,0765
76	P. Stoica, M. Rapa , M.C. Chifiriuc, M. Lungu, R. Tatia, M.I. Nita, A.M. Grumezescu, S. Bertesteanu, E. Bezirtzoglou, V. Lazar. Antifungal bionanocomposites based on poly(lactic acid) and silver nanoparticles for potential medical devices. <i>Romanian Biotechnological Letters</i> 2015, Volume: 20 Issue: 4, 10696-10707. WOS:000361481700017. ISSN: 1224-5984.	0,765	10	Co-autor	0,0765
77	E. Grosu, A. Ficai, M. Râpă , C. Zaharia, C. Chifiriuc, S. Ulinici, L. Jecu. Plastified polyvinyl chloride for antimicrobial medical device applications. <i>Journal of Optoelectronics and Advanced Materials</i> 2015, Vol. 17, No. 7-8, 1139-1145. WOS:000359967600037. ISSN: 1454-4164.	0,5	7	Co-autor	0,0714
78	E.E. Tănase, M.E. Popa, M. Râpă , O. Popa. Preparation and characterization of biopolymer blends based on polyvinyl alcohol and starch. <i>Romanian Biotechnological Letters</i> 2015, Vol. 20, No. 2, 10307-10315. WOS:000353965100014.	0,765	4	Co-autor	0,1912
79	E. Grosu, A. Ficai, M. Râpă , G. Vlad, L. Jecu. Selecting medical grade polymers and testing for achieving antibacterial devices tubular prosthetic. <i>Journal of Optoelectronics and Advanced Materials</i> 2013, Vol. 15, No. 7-8, 905-910. WOS:000323397900053.	0,5	5	Co-autor	0,1
80	T. Zaharescu, E. Nemeș, M. Râpă , E. Grosu. Radiation modification of functional properties in PVC/mica electrical insulations. <i>Polymeric Bulletin</i> 2006. 57 (1), 83-90, Doi: 10.1007/s00289-006-0536-0. WOS:000236841600010. ISSN: 0170-0839.	2,843	4	Co-autor	0,7107
81	Grosu, E; Râpă, M ; Tomescu, A; Nemes, E; Zaharescu, T; Jipa, S; Setnescu, R; Vasile, C. Radiation processing of elastomer materials for medical uses. <i>Nuclear Instruments & Methods in Physics Research Section B: Beam Interactions with Materials and Atoms</i> 2003, 208, Issue 1-4, 220-224, Doi: 10.1016/S0168-583X(03)00993-5. WOS:000184512700037. ISSN: 0168-583X.	1,279	8	Co-autor	0,1598
82	E. Grosu, E. Nemeș, M. Râpă , R. Ciofu, A. Prodănel.	0,782	5	Co-autor	0,1564

	Polymeric Films for Greenhouses and Low Hight Tubes [Folii polimerice fotoselective pentru solarii și tunele joase. <i>Materiale Plastice</i> 2008, 45, Nr.1, 74-79. WOS:000255295400015.				
83	E. Grosu, E. Nemeș, M. Râpă , C. Opran, T. Petrescu. The role of the multilayer polymeric photoselective foils in modifying optimal microclimate for technical cultures I [Rolul foliilor polimerice fotoselective multistrat în crearea microclimatului optim pentru culturi tehnice. I. <i>Materiale Plastice</i> 2006, 43, No. 4, 317-323, WOS: 000244795000012.	0,782	5	Co-autor	0,1564
84	E. Nemeș, E. Grosu, S. Niță, N. Mănăilă, F. Petrescu, M. Râpă , A. Scheau, A. Secăreanu. Study on the "in vitro" controlled release of active substances from transdermal therapeutical systems Studiu de eliberare controlată "in vitro" a substanțelor active din sisteme terapeutice transdermice. <i>Materiale Plastice</i> 2004, 41, No. 2, 95-98, WOS: 000222690600007.	0,782	8	Co-autor	0,0977
85	E. Nemes, E. Grosu, M. Rapa , F. Petrescu, A. Tomescu, A. Scheau. Transdermal therapeutical systems - A new generation of pharmaceutical forms Sisteme terapeutice transdermice O nouă generație de forme farmaceutice. <i>Materiale Plastice</i> 2002, 39, No. 4, 217-220, WOS:000180619200007.	0,782	6	Co-autor	0,1303
TOTAL FACTOR IMPACT CUMULAT DIN ARTICOLE ISI IN CALITATE DE CO-AUTOR					18,1079
NT: 85					NP:39
12 Brevete/Cereri de brevete publicate in Web of Science					FIG: 108
1	WO2018117885-A1; RO132659-A2: M. Rapa , C. Vasile, E. Grosu, A. R. Trifoi, R.N. Darie-Nita, E. Butnaru, R.P. Dumitriu, M. Sivertsvik, J.T. Rosnes, A.C. Mitelut, E.E. Popa, M.E. Popa, B. Munteanu, L. Moldovan, <i>PLA - Based active and degradable biocomposites for food packaging. Derwent Primary Accession Number: 2018-50949L</i>	3	14	Prim autor	3
2	RO130349 B1/30.08.2018, Dimonie D.O.A., Dimonie M.D., Anton L.R.E., Constantin V., Iovu H, Damian C.M., Vasile E., Trușcă R., Râpă M. <i>Composition and process for manufacturing of biodegradable materials with high content of natural fibers and inorganic fillers. Derwent Primary Accession Number: 2015 40155V</i>	1	8	Co-autor	0,125
3	RO128294 B1/30.03.2015, M.L. Jecu, E. Grosu, I. Raut, M. Rapa , P. Stoica, S.N. Savu, M. Constantin. <i>Compozite polimerice biodegradabile destinate ambalajelor si procedeu de obtinere a acestora. Derwent Primary Accession Number: 2013-K51948</i>	1	7	Co-autor	0,1428
4	RO132579 B1/30.03.2020: Dimonie D.O.A., Grigore M.E., Anton L.R.E., Constantin V., Iovu H., Damian C.M., Vasile E., Trusca R., Rapa M. , Trifoi A., <i>Compoziție pentru realizarea unor materiale regenerabile pentru produse biodegradabile cu viață scurtă, și procedeu pentru realizarea acestora. Derwent Primary Accession Number: 2019-27307F</i>	1	10	Co-autor	0,1
5	RO130767 B1/30.09.2019: P.O. Stanescu, C. Zaharia, M. Rapa , A. Casarica, I. Lupescu, B. Galateanu. <i>Compozite polimerice pe bază de polidroxibutirat și celuloză bacteriană cu aplicații în ingineria tisula, și procedeu de obținere acestora. Derwent Primary</i>	1	6	Co-autor	0,166

Accession Number: 2016-01190K					
6	RO131873 B1/30.09.2019: Butnaru Elena, Stoleru Elena, Brebu Mihai Adrian, M. Rapa , Vasile C. <i>Material polimeric biocompatibil cu proprietati antimicrobiene si antioxidante, si procedeu de obtinere a acestuia. Derwent Primary Accession Number: 2017-34443D</i>	1	5	Co-autor	0,2
7	RO131977 B1/30.08.2019: Dimonie D.O.A., Oancea F., Musat M.I., Anton L.R.E., Constantin V, Iovu H., Damian C., Vasile E., Trusca R., Rapa M. , Trifoi A. <i>Compozitie si procedeu de obtinere de produse cu distrugere totala in mediu. Derwent Primary Accession Number: 2017-47383R</i>	1	11	Co-autor	0,09
8	RO132386 B1/29.05.2020: P.N. Ghioca, L. Iancu, B.N. Spurcaci, R. Grigorescu, M. Rapa , C. Cincu, A. Pica, R. Gardu, E. Matei, A. Predescu, C. Predescu, <i>Procedeu de obtinere a compozitelor antișoc ale polipropilenei recuperate. Derwent Primary Accession Number: 2018-15985P</i>	1	10	Co-autor	0,1
9	RO132576 B1/29.10.2021, M. Rapa , P. Preda, E. Grosu, M. Lungu, V. Voroiu, C. Vasile, R.N. Darie-Nita, R. P. Dumitriu, M.C. Chifiriuc, C. Bleotu, <i>Compozite polimerice pentru obținerea unui tub de drenare urinar cu proprietăți antimicrobiene și procedeu de obținere a acestuia. Derwent Primary Accession Number: 2019-26335X</i>	1	10	Prim autor	1
10	RO133873 A0/2020: Rapa, M. , Gaidau, C., Matei, E., Berechet, M.D., Pantilimon, M.C., Predescu, A.M., Predescu, C. <i>Compozitie de nanofire pe baza de colagen din clei de iepure si agenti antimicrobieni si procedeu de obtinere a acestora. Derwent Primary Accession Number: 2020-203552</i>	1	7	Prim autor	0
11	RO134634-A0/2021: Stefan M V; Rapa M ; Pana I G; Vodnar D C; Matei E; Barta D G; Popa A P; Toloman D A; Leostean C; Macavei G S. <i>Preparing antimicrobial nanomaterials, by preparing polylactic acid film by pressing, synthesizing zinc oxide nanoparticles doped with iron ions, and coating by electrofiltration/electrospraying of polylactic acid films. Derwent Primary Accession Number 2021-02626A</i>	1	10	Co-autor	0
12	RO135381-A2/2021: Predescu C; Matei E; Rapa M ; Predescu A M; Popa E E; Berbecaru A C; Turcanu A - A; Deak G; Dumitrescu F - D; Moncea M - A. <i>Preparation of microspheres based on sodium alginate, polyphenols and titanium dioxide nanoparticles involves adding titanium dioxide nanoparticles in sodium alginate solution prepared by dissolving polysaccharide in polyphenol extract. Derwent Primary Accession Number 2022-16678J</i>	1	9	Co-autor	0
TOTAL FACTOR IMPACT CUMULAT din brevete					4,9238
TOTAL FACTOR IMPACT CUMULAT din articole si brevete					112,98

Verificare criteriu NC

TABELUL 2. Lucrarea citată însoțită de citările din baza Scopus

Nr. Crt. Citare	Autori/Denumire articol/Revista	Număr citări
	Matei, E.; Predescu, AM*; Rapa, M*; Turcanu, AA; Mates, I; Constantin, N; Predescu, C. Natural Polymers and Their Nanocomposites Used for Environmental Applications. <i>Nanomaterials</i> 2022, 12 (10). Article Number 1707, doi: 10.3390/nano12101707, WOS:000804280700001, eISSN: 2079-4991.	0
	Darie-Nita, R.N.; Rapa, M.; Frackowiak, S. Special Features of Polyester-Based Materials for Medical Applications. <i>Polymers</i> 2022, 14, Issue 5, Article Number 951, doi:10.3390/polym14050951, WOS:000769424200001, eISSN 2073-4360.	0
	Răpă, M.; Turcanu, A.A.; Matei, E.; Predescu, A.M.; Pantilimon, M.C.; Coman, G.; Predescu, C. Adsorption of Copper (II) from Aqueous Solutions with Alginate/Clay Hybrid Materials. <i>Materials</i> 2021, 14, 7187. https://doi.org/10.3390/ma14237187 , WOS:000735380900001	1
1	Copper(II) ion removal by chemically and physically modified sawdust biochar. Eleryan, A., Aigbe, U.O., Ukhurebor, K.E., (...), Darmokoeseoemo, H., El Nemr, A. <i>Biomass Conversion and Biorefinery</i> (2022) Article in Press. Bioactive collagen hydrolysate-chitosan/essential oil electrospun nanofibers designed for medical wound dressings	
	Răpă, M., Gaidau, C., Mittelul-Tartau, L., Berechet, M.-D.; Berbecaru, A. C.; Rosca, I.; Chiriac, A. P.; Matei, E.; Predescu, A.-M.; Predescu, C. Bioactive Collagen Hydrolysate-Chitosan/Essential Oil Electrospun Nanofibers Designed for Medical Wound Dressings. <i>Pharmaceutics</i> 2021, 13(11), 1939; https://doi.org/10.3390/pharmaceutics13111939 . WOS:000724396700001	2
2	Naturally-Sourced Antibacterial Polymeric Nanomaterials with Special Reference to Modified Polymer Variants, <i>Open Access</i> , Rofeal, M., Abdelmalek, F., Steinbüchel, A., <i>International Journal of Molecular Sciences</i> 2022, 23(8), 4101	
3	Imination of Microporous Chitosan Fibers—A Route to Biomaterials with “On Demand” Antimicrobial Activity and Biodegradation for Wound Dressings, <i>Open Access</i> , Anisie, A., Rosca, I., Sandu, A.-I., (...), Cheng, X., Marin, L., <i>Pharmaceutics</i> 2022, 14(1), 117	
	Răpă, M.; Zaharia, C.; Stănescu, P. O.; Cășărică, A.; Matei, E.; Predescu, A. M.; Pantilimon, M. C.; Vidu, R.; Predescu, C.; Cioflan, H. In Vitro Degradation of PHB/Bacterial Cellulose Biocomposite Scaffolds. <i>Int J Polym Sci Volume</i> 2021, Article ID 3820364, 8 pages. https://doi.org/10.1155/2021/3820364 , Published 6 October 2021. ISSN 1687-9422, WOS:000708262800001	2
4	Poly(3-hydroxybutyrate) Nanocomposites with Cellulose Nanocrystals, <i>Open Access</i> , Usurelu, C.D., Badila, S., Frone, A.N., Panaitescu, D.M., <i>Polymers</i> 2022, 14(10), 1974	
5	Biogenic Collagen-Nano ZnO Composite Membrane as Potential Wound Dressing Material: Structural Characterization, Antibacterial Studies and In Vivo Wound Healing Studies. Chandraprabha, M.N., Krishna, R.H., Samrat, K., (...), Patil, N.C., Sasikumar, M. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> 2022, Article in Press	
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