

Ramura de știință: Fizica

Domeniul de studii: Fizica

FIȘA DE VERIFICARE
pentru postul de Profesor/Abilitare

Cadru didactic: Dr. PAUN Irina

Alexandra Data nașterii:

Funcția ocupată: Conferențiar Universitar

Condiții minime / punctaje obținute
(în conformitate cu Domeniul Fizica CNATDCU de la titularizare sau abilitare)

CONDITII MINIMALE (A _i)				Indeplinire criterii minime
Nr. Crt.	Domeniul de activitate	Condiții Profesor	Punctaj obținut	
1.	Activitate didactica/profesionala (A)	A>2	A=4.607	CRITERIU INDEPLINIT
2.	Activitate de cercetare	I>4 P>4	I=4.31686 P=16.247	CRITERIU INDEPLINIT
3.	Recunoasterea si impactul activitatii	C>40 h>10	C=61.85569 h=13	CRITERIU INDEPLINIT
TOTAL (T=A+P/2+I/2+C/20+h/5)		T>12	T=20.58171	CRITERIU INDEPLINIT

DATA: 07.12.2021

SEMNATURA:

Activitatea didactică și profesională (A)	ni	ni_{ef}	Indicatori
A.2. Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI			0.632
Stokker-Cheregi F., Palla-Papavlu A., Paun I.A. , Lipper T., Dinescu M., Laser Structuring of Soft Materials: Laser-Induced Forward Transfer and Two-Photon Polymerization, Chapter 9 in Advances in the Application of Lasers in Materials Science, Springer Series in Materials Science 274 © Springer Nature Switzerland AG 2018 P. M. Ossi (ed.), ISBN 978-3-319-96845-2 (2018).	5	5.000	0.200
Mihailescu M., Scarlat E.I., Paun I.A. , Grigorescu I., Radu R., Nedelcu O.T., Fractal descriptor on holographic images of cervical cells, Computational Vision and Medical Image Processing, Editors J. M. Tavares, R. M. Natal Jorge, Taylor and Francis Group, ISBN 978-1-138-02926-2 255-260 (2015).	6	5.500	0.182
Paun I.A. , Selimis A., Bounos G., Georgiou S., Studies on the UV femtosecond ablation of polymers: Implications for the femtosecond laser cleaning of painted artworks, Lasers in the Conservation of Artworks VIII – Radvan et al. (eds) © 2011 Taylor & Francis Group, London, ISBN 978-0-415-58073-1 (2011).	4	4.000	0.250
A.4. Cărți, manuale, îndrumare de laborator în edituri naționale, sau la alte edituri internaționale ca autor			1.250
Mihailescu M., Paun I.A. , Laura Ana Maria Nita, "Fizică și Biofizică Probleme și Aplicații", Politehnica Press ISBN 978-606-515-953-2 (2021).	3	3.000	0.167
Mihăilescu M., Paun I.A. , "Modelarea fenomenelor din biofizică prin soft specializat: îndrumar de laborator", București, Politehnica Press 177 pag. ISBN 978-606-515-703-3 (2016).	2	2.000	0.250
Morariu G., Alexandru M., Paun I.A. , "Microunde. Fundamente și aplicații. Volumul II. Linii de transmisie", Editura Universității Transilvania din Brașov, 170 pag. ISBN 978-973-598-603-2 (2009).	3	3.000	0.167
Morariu G., Alexandru M., Paun I.A. , "Microunde. Fundamente și aplicații", Editura Universității Transilvania din Brașov, 139 pag. ISBN 973-635-754-6 (2009).	3	3.000	0.167
Daniello L., Paun I.A. , "Elemente de Fizica Cuantica"; Editura Printech, Bucuresti, 215pag. ISBN 973-718-323-1 (2005).	2	2.000	0.250
Daniello L., Paun I.A. , "Aplicații de Fizică. Bazele Fizicii cuantice. Fizică Cuantică și Aplicații în Fizica atomică și fizică stării solide", Editura Printech, București, 205 pag. ISBN 973-718-034-8 (2004).	2	2.000	0.250
A.6. Lucrări în extenso publicate în Proceedings-uri indexate ISI			0.420
Sandu A.M., Ungureanu M.A.;Morega M., Calin V.L., Moiescu M., Paun I. A. , Mihailescu M. Realistic models of cultured cells for electroporation simulations starting from phase images ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS AND NANOTECHNOLOGIES X Proceedings of SPIE paper no 117180W DOI 10.1117/12.2571092 Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies , AUG 20-23, 2020, Constanta, Romania ISSN 0277-786X e-ISSN 1996-756X ISBN 978-1-5106-4272-0 WOS 000641147900031	7	6.000	0.033
Mihailescu M., Paun I.A. , Scarlat E., Mihale N., Tranca D., Calin B.S., Luculescu C.R. Optimal Unequal Phase Steps for Laser Direct Writing in DPE Manufacturing HOLOGRAPHY, DIFFRACTIVE OPTICS, AND APPLICATIONS VIII Proceedings of SPIE VOLUME 10818 Paper no UNSP 108181V DOI 10.1117/12.2500922 2018 Conference on Holography, Diffractive Optics, and Applications VIII, 11-13 Oct 2018, Beijing, China ISSN 0277-786X e-ISSN 1996-756X ISBN 978-1-5106-2235-7 WOS 000455784500051	7	6.000	0.033
Mihailescu M., Mihale N., Popescu R. C., Acasandrei A., Paun I.A. , Dinescu M., Scarlat E. Focusing criterion in digital holographic microscopy image reconstruction ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES VII Proceedings of SPIE VOLUME 9258 Paper no 92580U DOI 10.1117/12.2070450 2015 7th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies AUG 21-24, 2014, Constanta, Romania ISSN 0277-786X 1996-756X ISBN 978-1-62841-325-0 WOS 000354179700030e-ISSN	7	6.000	0.033

Mihailescu M., Matei A., Acasandrei A., Popescu R. C., Paun I. A. , Dinescu M. MG63 cells behavior on rough Polypyrrole scaffolds investigated by digital holographic microscopy INTERFEROMETRY XVII: ADVANCED APPLICATIONS Proceedings of SPIE VOLUME 9204 Paper no 92040N DOI 10.1117/12.2062016 2014 Conference on Interferometry XVII - Advanced Applications, 18-20.08, 2014, San Diego, SUA ISSN 0277-786X e-ISSN 1996-756X ISBN 978-1-62841-231-4 WOS 000343873800020	6	5.500	0.036
Mihailescu M., Paun I. A. , Popescu R. C., Matei A., Acasandrei A., Dinescu M., Scarlat E. I. Deep Walls Microscaffold Characterization Using Digital Holographic Microscopy 2013 CONFERENCE ON LASERS AND ELECTRO-OPTICS PACIFIC RIM (CLEO-PR), paper WPF_28 Proceedings 10th Conference on Lasers and Electro-Optics Pacific Rim, JUN 30-JUL 04, 2013, Kyoto, Japan ISBN 978-1-4673-6476-8 WOS 000334176100679	7	6.000	0.033
Paun I.A. , Ion V., Moldovan A., Dinescu M. MAPLE Deposited Polymeric Blends Coatings for Controlled Drug Delivery INTERNATIONAL SYMPOSIUM ON HIGH POWER LASER ABLATION 2012 AIP Conference Proceedings VOLUME 1464 pages 547-559 DOI 10.1063/1.4739908 2012 International Symposium on High Power Laser Ablation, APR 30-May 03, 2012, Santa FE, SUA ISSN 0094-243X ISBN 978-0-7354-1068-8 WOS 000306992500052	4	4.000	0.050
Paun I.A. Optical feedback effects on microchip laser dynamics used for determining the characteristics of the materials Advanced Laser Technologies 2006 Proceedings of SPIE VOLUME 6606 Pages 60611-60611 paper No 660611 DOI 10.1117/12.729654 2007 14th International Conference on Advanced Laser Technologiess, Seo 08-12, 2006, Brasov, Romania ISSN 0277-786X ISBN 978-0-8194-6744-7 WOS 000246689900036	1	1.000	0.200
A.10. Director/responsabil pentru proiecte de cercetare		Euro	2.30531
Proiect 218PED/2018 "Elemente holografice fabricate prin polimerizare cu 2 fotoni pentru model demonstrativ de comunicatii optice". Perioada 2017-2018		46903.000	0.469
Proiect PN-II-RU-TE-2014-4-2534 nr. 97 din 01/10/2015/ "Structuri magnetice de tip scaffold pentru stimularea regenerării osoase". Perioada 2015-2017		121681.000	1.217
Proiect PN II-RU 140/09.08.2010 "Producerea și testarea filmelor polimerice pentru aplicații in eliberarea controlata de medicamente, utilizând tehnici laser avansate". Perioada 2010-2012		61947.000	0.619

TOTAL A 4.607

DATA: 07.12.2021

SEMNATURA:

Amin 2.000

⇒CRITERIU INDEPLINIT

2. ACTIVITATEA DE CERCETARE

2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings (Indicator I)

2.2 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings pentru care candidatul este prim-autor sau autor corespondent (indicator P)

Nr. crt.	Autori Titlu Lucrare Revista Volum DOI WOS (an publicare)	Nr. de autori	Factor de impact ISI	Scor de influenta absolut ISI	Prim autor/ Corespondent	Factor ISI/ Nr. Autori	Scor influenta/ Nr. Autori	Scor influenta autor/ corespondent/
1	Paun I. A. ; Calin B. S.; Mustaciosu, C.C.; Tanasa E.; Moldovan A.; Niemyzyk A.; Dinescu M. Laser Direct Writing via Two-Photon Polymerization of 3D Hierarchical Structures with Cells-Antiadhesev Properties INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 22(11) DOI 10.3390/ijms22115653 WOS 000660205600001 (2021)	7	5.924	1.1230	Da	0.98733	0.18717	1.12300
2	Scarlat E.; Mihailescu M.; Paun I.A. ; Identification of independent modes in two inputs free space communications system OPTICS AND LASERS IN ENGINEERING 136 DOI 10.1016/j.optlaseng.2020.106320 WOS 000583900900002 (2021)	3	4.836	0.8840	Nu	1.61200	0.29467	
3	Paun I. A. ; Mustaciosu C.C.; Mihailescu M.; Calin B.S.; Sandu A.M. Magnetically-driven 2D cells organization on superparamagnetic micromagnets fabricated by laser direct writing SCIENTIFIC REPORTS 10(1) DOI 10.1038/s41598-020-73414-4 WOS 000577151500013 (2020)+C13	5	4.380	1.2850	Da	0.87600	0.25700	1.28500
4	Paun I.A. ; Mustaciosu C.C.; Popescu R.C.; Calin B.S.; Mihailescu M. Collagen/Chitosan Functionalization of Complex 3D Structures Fabricated by Laser Direct Writing via Two-Photon Polymerization for Enhanced OsteogenesisINTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 21(17) DOI 10.3390/ijms21176426 WOS 000570323200001 (2020)	5	5.924	1.1230	Da	1.18480	0.22460	1.12300
5	Stoichiou A.; Luculescu C.R.; Paun I.A. ; Jinga L.I.; Stoichiou C. Fabrication and Characterization of Biplasmonic Substrates Obtained by Picosecond Laser Pulses APPLIED SCIENCES-BASEL 10(17) DOI 10.3390/app10175938 WOS 000569785700001 (2020)	5	2.679	0.4090	Nu	0.53580	0.08180	
6	Gatin E.; Nagy P.; Paun I.A. ; Dubok O.; Bucur V.; Windisch P. Raman Spectroscopy: Application in Periodontal and Oral Regenerative Surgery for Bone Evaluation IRBM 40(5) 279-285 DOI 10.1016/j.irbm.2019.05.002 WOS 000492090000004 (2019)	6	1.022	0.1730	Nu	0.18582	0.03145	
7	Paun I.A. ; Calin B.S.; Mustaciosu C.C.; Mihailescu M.; Moldovan A.; Crisan O.; Leca A.; Luculescu C.R. 3D Superparamagnetic Scaffolds for Bone Mineralization under Static Magnetic Field Stimulation MATERIALS 12(17) DOI 10.3390/ma12172834 WOS 00048880300187 (2019)	8	3.057	0.5430	Da	0.47031	0.08354	0.54300
8	Paun I.A. ; Calin B.S.; Mustaciosu C.C.; Mihailescu M.; Popovici C.L.; Luculescu C.R.Osteogenic cells differentiation on topological surfaces under ultrasound stimulation JOURNAL OF MATERIALS SCIENCE 54(16) 11213-11230 DOI 10.1007/s10853-019-03680-9 WOS 000469467500020 (2019)	6	2.489	0.5010	Da	0.45255	0.09109	0.50100
9	Scarlat E. I.; Mihailescu M.; Mihale N.; Paun I.A. ; Calin B. S.; Luculescu C. R.; Tranca D. Adaptive phase steps for diffractive phase elements using two-photon polymerization JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 21(3-4) 153-162 WOS 000472534300001 (2019)	7	0.631	0.0640	Nu	0.10517	0.01067	
10	Luculescu C.R.; Acasandrei A.M.; Mustaciosu C.C.; Zamfirescu M.; Dinescu M.; Calin B.S.; Popescu A.; Chioibasu D.; Cristian D.; Paun I.A. Electrically responsive microstructured polypyrrole-polyurethane composites for stimulated osteogenesis APPLIED SURFACE SCIENCE 433 166-176DOI 10.1016/j.apsusc.2017.09.149 WOS 000418883800022 (2018)	10	5.155	0.6710	Da	0.68733	0.08947	0.67100
11	Paun I.A. ; Popescu R.C.; Calin B.S.; Mustaciosu C.C.; Dinescu M.; Luculescu C.R. 3D Biomimetic Magnetic Structures for Static Magnetic Field Stimulation of Osteogenesis INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 19(2) DOI 10.3390/ijms19020495 WOS 000427527400179 (2018)	6	4.183	0.9320	Da	0.76055	0.16945	0.93200
12	Paun I.A. ; Popescu R.C.; Mustaciosu C.C.; Zamfirescu M.; Calin B.S.; Mihailescu M.; Dinescu M.; Popescu A.; Chioibasu D.; Sopronyi M.; Luculescu C.R. Laser-direct writing by two-photon polymerization of 3D honeycomb-like structures for bone regeneration BIOFABRICATION 10(2) DOI 10.1088/1758-5090/aaa718 WOS 000424236400002 (2018)	11	7.236	1.3340	Da	0.90450	0.16675	1.33400
13	Popescu C.; Cristea D.; Bită B.; Cristescu R.; Craiim., Chioibasu D.G.; Luculescu C.R.; Paun I.A. ; Duta L.; Popescu A.C. An Experimental Study on Nano-Carbon Films as an Anti-Wear Protection for Drilling Tools COATINGS 7(12) DOI 10.3390/coatings7120228 WOS 000419197100021 (2017)	10	2.350	0.5100	Nu	0.31333	0.06800	
14	Paun I.A. ; Zamfirescu M.; Luculescu C.R.; Acasandrei A.M.; Mustaciosu C.C.; Mihailescu M.; Dinescu M. Electrically responsive microreservoirs for controllable delivery of dexamethasone in bone tissue engineering APPLIED SURFACE SCIENCE 392 321-331 DOI 10.1016/j.apsusc.2016.09.027 WOS 000389088300037 (2017)	7	4.439	0.6270	Da	0.73983	0.10450	0.62700
15	Chioibasu D.; Sima A.; Dobreă C.; Paun I.A. ; Popescu, A.; Luculescu C.R.; Tiseanu I.; Puscas N. Non-destructive optical analysis of porosity content during Yt: YAG laser welding of Al alloy 1050 using x-Ray micro-tomography UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS 79(4) 307-316 WOS 000419176800027 (2017)	8	0.461	0.0940	Nu	0.07092	0.01446	
16	Tudor R.; Mihailescu M.; Paun I.A. ; Nan A.E.; Kusko M.; Kusko C. Propagation robustness of two Laguerre-Gauss beam superposition PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE (17)3 222-229 WOS 000383527500005 (2016)	6	1.623	0.2160	Nu	0.29509	0.03927	
17	Tudor R.; Mihailescu M.; Kusko C.; Paun I.A. ; Nan A. E.; Kusko M. Simultaneous and spatially separated detection of multiple orbital angular momentum states OPTICS COMMUNICATIONS 368 141-149 DOI 10.1016/j.optcom.2016.02.011 WOS 000371132000024 (2016)	6	1.588	0.3340	Nu	0.28873	0.06073	
18	Mihailescu M.; Paun I. A.; Zamfirescu, M.; Luculescu C. R.; Acasandrei A. M.; Dinescu M. Laser-assisted fabrication and non-invasive imaging of 3D cell-seeding constructs for bone tissue engineering JOURNAL OF MATERIALS SCIENCE 51(9) 4262-4273 DOI 10.1007/s10853-016-9723-z WOS 000370342100008 (2016)	6	2.325	0.5140	Da	0.42273	0.09345	0.51400
19	Mihailescu M.; Paun I.A. ; Vasile E.; Popescu R.C.; Baluta A.V.; Rotaru D.G. Digital off-axis holographic microscopy: from cells visualization, to phase shift values, ending with physiological parameters evolution ROMANIAN JOURNAL OF PHYSICS 61(5-6) 1009-1027 WOS 000381898000022 (2016)	6	1.758	0.2430	Nu	0.31964	0.04418	
20	Paun I.A. ; Acasandrei A.M.; Luculescu C.R.; Mustaciosu C.C.; Ion V.; Mihailescu M.; Vasile E.; Dinescu M. MAPLE deposition of polypyrrole-based composite layers for bone regeneration APPLIED SURFACE SCIENCE 357 975-984 DOI 10.1016/j.apsusc.2015.09.083 WOS 000366216900128 (2015)	8	3.150	0.5740	Da	0.48462	0.08831	0.57400
21	Paun I.A. ; Stokker-Cheregi F.; Luculescu C.R.; Acasandrei A.M.; Ion V.; Zamfirescu M.; Mustaciosu C.C.; Mihailescu M.; Dinescu M. Electrically stimulated osteogenesis on Ti-Ppy/PLGA constructs prepared by laser-assisted processes MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS 55 61-69 DOI 10.1016/j.msec.2015.05.059 WOS 000358809500008 (2015)	9	3.420	0.6240	Da	0.48857	0.08914	0.62400
22	Paun I.A. ; Zamfirescu M.; Mihailescu M.; Luculescu C.R.; Mustaciosu C.C.; Dorobantu I.; Calenic B.; Dinescu M. Laser micro-patterning of biodegradable polymer blends for tissue engineering JOURNAL OF MATERIALS SCIENCE 50(2) 923-936 DOI 10.1007/s10853-014-8652-y WOS 000345407900043 (2015)	8	2.272	0.5570	Da	0.34954	0.08569	0.55700
23	Calenic B.; Paun I.A. ; van Staden R. I.; Didilescu A.; Petre A.; Dinescu M.; Greabu M. Novel method for proliferation of oral keratinocyte stem cells JOURNAL OF PERIODONTAL RESEARCH 49(6) 711-718 DOI 10.1111/jre.12153 WOS 000345152300005 (2014)	7	2.466	0.6230	Nu	0.41100	0.10383	

24	Mihailescu M.; Popescu R. C.; Matei A.; Acasandrei A.M.; Paun I.A. ; Dinescu M. Investigation of osteoblast cells behavior in polymeric 3D micropatterned scaffolds using digital holographic microscopy APPLIED OPTICS 53(22)4850-4858 DOI 10.1364/AO.53.004850 WOS 000340824800018 (2014)	6	1.784	0.4740	Nu	0.32436	0.08618	
25	Paun I.A. ; Mihailescu M.; Calenic B.; Luculescu C.R.; Greabu M.; Dinescu M. MAPLE deposition of 3D micropatterned polymeric substrates for cell culture APPLIED SURFACE SCIENCE 278 166-172 DOI 10.1016/j.apsusc.2013.03.106 WOS 000320598300034 (2013)	6	2.538	0.5500	Da	0.46145	0.10000	0.55000
26	Paun I.A. ; Moldovan A.; Luculescu C.R.; Dinescu M. Antibacterial polymeric coatings grown by matrix assisted pulsed laser evaporation APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 110(4) 895-902 DOI 10.1007/s00339-012-7193-y WOS 000315159700025 (2013)	4	1.694	0.4840	Da	0.42350	0.12100	0.48400
27	Scarlat E.I.; Mihailescu M.; Paun I.A. ; Scarlat M. Discriminating the main representatives of the white blood cell species on the basis of the fractal properties of the DHM phase profile UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS 75(2) 147-154 WOS 000324280400014 (2013)	4	0.280	0.0670	Nu	0.07000	0.01675	
28	Paun I.A. ; Ion V.; Luculescu C.R.; Dinescu M.; Canulescu S.; Schou J. In vitro studies of PEG thin films with different molecular weights deposited by MAPLE APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 109(1) 223-232 DOI 10.1007/s00339-012-7038-8 WOS 000309224600034 (2012)	6	1.545	0.5520	Da	0.28091	0.10036	0.55200
29	Paun I.A. ; Moldovan A.; Luculescu C.R.; Staiacu A.; Dinescu M. MAPLE deposition of PLGA:PEG films for controlled drug delivery: Influence of PEG molecular weight APPLIED SURFACE SCIENCE 258(23) 9302-9308 DOI 10.1016/j.apsusc.2011.10.044 WOS 00007241800041 (2012)	5	2.112	0.5390	Da	0.42240	0.10780	0.53900
30	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M. MAPLE deposition of PEG:PLGA thin films APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 106(1) 197-205 DOI 10.1007/s00339-011-6548-0 WOS 000298644100028 (2012)	4	1.545	0.5520	Da	0.38625	0.13800	0.55200
31	Paun I.A. ; Moldovan A.; Luculescu C.R.; Dinescu M. Biocompatible polymeric implants for controlled drug delivery produced by MAPLE APPLIED SURFACE SCIENCE 257(24) 10780-10788 DOI 10.1016/j.apsusc.2011.07.097 WOS 000295540800078 (2011)	4	2.103	0.5500	Da	0.52575	0.13750	0.55000
32	Mihailescu M.; Scarlat M.; Gheorghiu A.; Costescu J.; Kusko M.; Paun I.A. ; Scarlat E. Automated imaging, identification, and counting of similar cells from digital hologram reconstructions APPLIED OPTICS 50(20) 3589-3597 DOI 10.1364/AO.50.003589 WOS 000293069000027 (2011)+C43	7	1.748	0.5170	Nu	0.29133	0.08617	
33	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M. Thin films of polymer blends deposited by matrix-assisted pulsed laser evaporation: Effects of blending ratios APPLIED SURFACE SCIENCE 257(12) 5259-5264 DOI 10.1016/j.apsusc.2010.11.090 WOS 000288007500030 (2011)	4	2.103	0.5500	Da	0.52575	0.13750	0.55000
34	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M. Thin films of polymer blends for controlled drug delivery deposited by matrix-assisted pulsed laser evaporation APPLIED PHYSICS LETTERS 96(24) DOI 10.1063/1.3453756 WOS 000278911500075 (2010)	4	3.841	1.3980	Da	0.96025	0.34950	1.39800
35	Paun I.A. ; Selimis A.; Bounos G.; Kecskemeti G.; Georgiou S. Nanosecond and femtosecond UV laser ablation of polymers: Influence of molecular weight APPLIED SURFACE SCIENCE 255(24) 9856-9860 DOI 10.1016/j.apsusc.2009.04.106 WOS 000270420700071 (2009)	5	1.616	0.5030	Da	0.32320	0.10060	0.50300
36	Pouli P.; Paun I.A. ; Bounos G.; Georgiou S.; Fotakis C. The potential of UV femtosecond laser ablation for varnish removal in the restoration of painted works of art APPLIED SURFACE SCIENCE 254(21) 6875-6879 DOI 10.1016/j.apsusc.2008.04.106 WOS 000258997700033 (2008)	5	1.576	0.5180	Nu	0.31520	0.10360	
37	Hugon O.; Paun I.A. ; Ricard C.; van der Sanden B.; Lacot E.; Jacquin O.; Witomski A. Cell imaging by coherent backscattering microscopy using frequency-shifted optical feedback in a microchip laser ULTRAMICROSCOPY 108(6) 523-528 DOI 10.1016/j.ultramic.2007.08.009 WOS 000256209200003 (2008)	7	2.629	1.0330	Nu	0.43817	0.17217	
38	Paun I.A. ; Lacot E. Analysis of noncooperative targets using a diode-pumped Nd:YAG microchip laser with frequency-shifted optical feedback JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 9(4) 1065-1070 WOS 000245834800057 (2007)	2	0.827	0.1610	Da	0.41350	0.08050	0.16100

DATA: 07.12.2021

SEMNTURA:

Total I 4.31686

Total P

16.24700

Iminim (profesor)=4

Pminim (profesor)=4

⇒CRITERIU INDEPLINIT

⇒CRITERIU INDEPLINIT

3. Recunoasterea si impactul activitatii

3.1 Citări în reviste indexate ISI (C)

Nr. crt.	Autori Titlu Lucrare Revista Volum Pagini DOI WOS (an publicare)	Numar autori	Numar citari	Punctaj
1	Paun I. A. ; Mustaciosu, C. C.; Mihailescu, M.; Calin, B. S.; Sandu, A. M. Magnetically-driven 2D cells organization on superparamagnetic micromagnets fabricated by laser direct writing SCIENTIFIC REPORTS 10(1) 16418 2045-2322 DOI 10.1038/s41598-020-73414-4 WOS 000577151500013 (2020)	5	3	0.60000
2	Paun I.A. ; Mustaciosu C.C.; Popescu R.C., Calin B.S., Mihailescu M. Collagen/Chitosan Functionalization of Complex 3D Structures Fabricated by Laser Direct Writing via Two-Photon Polymerization for Enhanced Osteogenesis INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 21(17) 6426 DOI 10.3390/ijms21176426 WOS 000570323200001 (2020)	5	2	0.40000
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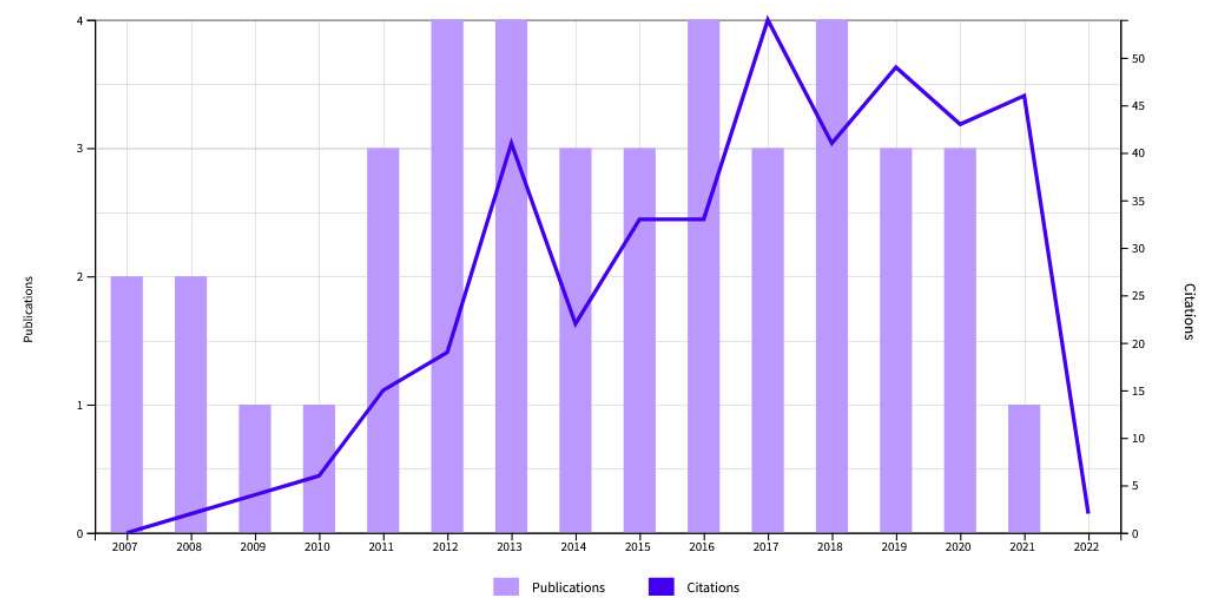
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