

LISTA DE LUCRARI, PAUN Irina Alexandra, Domeniul FIZICA

	Autori	Titlu	Revista	Tip articol	Volum	Issue	Pagini	Nr. Articol	DOI	An publicare	Conferinta	ISSN	eISSN	ISBN	WOS
1	Paun I.A. ; Calin, B. S.; Mustaciosu, C. C.; Tanasa, E. Moldovan, A., Niemezyk, A. Dinescu M.	<i>Laser Direct Writing via Two-Photon Polymerization of 3D Hierarchical Structures with Cells-Antiadhensive Properties</i>	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	ISI paper	22	11		5653	10.3390/ijms22115653	2021		1422-0067			000 660205600001
2	Scarlăt, E. Mihailescu, M. Paun, I.A.	<i>Identification of independent modes in two inputs free space communications system</i>	OPTICS AND LASERS IN ENGINEERING	ISI paper	136			106320	10.1016/j.optlaseng.2020.1	2021		0143-8166	1873-0302		000 583909000002
3	Paun I.A. ; Mustaciosu, C. C.; Mihailescu, M.; Calin, B. S.; Sandu, A. M.	<i>Magnetically-driven 2D cells organization on superparamagnetic micromagnets fabricated by laser direct writing</i>	SCIENTIFIC REPORTS	ISI paper	10	1		16418	10.1038/s41598-020-7341	2020		2045-2322			000 577151500013
4	Paun I.A. ; Mustaciosu C.C.; Popescu R.C., Calin B.S., Mihailescu M.	<i>Collagen/Chitosan Functionalization of Complex 3D Structures Fabricated by Laser Direct Writing via Two-Photon Polymerization for Enhanced Osteogenesis</i>	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	ISI paper	21	17		6426	10.3390/ijms21176426	2020		1422-0067			000 570323200001
5	Stochioiu A., Luculescu C.R., Paun I.A. , Jinga, L.I.; Stochioiu C.	<i>Fabrication and Characterization of Biplasmonic Substrates Obtained by Picosecond Laser Pulses</i>	APPLIED SCIENCES-BASEL	ISI paper	10	17		5938	10.3390/app10175938	2020		2076-3417			000 569785700001
6	Sandu A.M., Ungureanu M.A., Morega M., Calin V.L., Moisescu M., Paun I.A. , Mihailescu M.	<i>Realistic models of cultured cells for electroporation simulations starting from phase images</i>	ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS AND NANOTECHNOLOGIES X	Proceedings of SPIE	11718			117180W	10.1117/12.2571092	2020	Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies , AUG 20-23, 2020, Constanta, Romania	0277-786X	1996-756X	978-1-5106-4272-	000 641147900031
7	Gatin, E.; Nagy, P.; Paun, I.A. ;Dubok, O., Bucur, V; Windisch, P.	<i>Raman Spectroscopy: Application in Periodontal and Oral Regenerative Surgery for Bone Evaluation</i>	IRBM	ISI paper	40	5	279-285		10.1016/j.irbm.2019.05.00	2019		1959-0318	1876-0988		000 492090000004
8	Paun I.A. , Calin B.S.; Mustaciosu C.C.; Mihailescu M.,Moldovan A.; Crisan O.; Leca A.; Luculescu, C.R.	<i>3D Superparamagnetic Scaffolds for Bone Mineralization under Static Magnetic Field Stimulation</i>	MATERIALS	ISI paper	12	17		2834	10.3390/ma12172834	2019		1996-1944			000 488880300187
9	Paun I.A. , Calin B.S.; Mustaciosu C.C.; Mihailescu M.; Popovici C.L.; Luculescu C.R.	<i>Osteogenic cells differentiation on topological surfaces under ultrasound stimulation</i>	JOURNAL OF MATERIALS SCIENCE	ISI paper	54	16	11213-11230		10.1007/s10853-019-0368	2019		0022-2461	1573-4803		000 469467500020
10	Scarlăt E. I., Mihailescu M., Mihale N., Paun I.A. , Calin B. S., Luculescu C. R., B23Tranea D.	<i>Adaptive phase steps for diffractive phase elements using two-photon polymerization</i>	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	ISI paper	21	3-4	153-162		10.1016/j.apsusc.2017.09.	2019		1454-4164	1841-7132		000 472534300001
11	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.	<i>Electrically responsive microstructured polypyrrole-polyurethane composites for stimulated osteogenesis</i>	APPLIED SURFACE SCIENCE	ISI paper	433		166-176		10.1016/j.apsusc.2017.09.	2018		0169-4332	1873-5584		000 418883800022
12	Paun I.A. ; Popescu R.C.; Calin B.S.; Mustaciosu C.C.; Dinescu M.; Luculescu C.R.	<i>3D Biomimetic Magnetic Structures for Static Magnetic Field Stimulation of Osteogenesis</i>	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	ISI paper	19	2		495	10.3390/ijms19020495	2018		1422-0067			000 427527400179
14	Mihailescu M., Paun I.A. , Scarlat E., Mihale N., Tranea D., Calin B.S., Luculescu C.R.	<i>Optimal Unequal Phase Steps for Laser Direct Writing in DPE Manufacturing</i>	HOLOGRAPHY, DIFFRACTIVE OPTICS, AND APPLICATIONS VIII	Proceedings of SPIE	10818			UNSP 108181	10.1117/12.2500922	2018	Conference on Holography, Diffractive Optics, and Applications VIII, 11-13 Oct 2018, Beijing, China	0277-786X	1996-756X	978-1-5106-2235-	000 455784500051
15	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.	<i>Laser-direct writing by two-photon polymerization of 3D honeycomb-like structures for bone regeneration</i>	BIOFABRICATION	ISI paper	10	2		25009	10.1088/1758-5090/aaa71	2018		1758-5082	1758-5090		000 424236400002
16	Popescu C.; Cristea D.; Bită B.; Cristescu R.; Craciun., Chioibasu D.G.; Luculescu C.R.; Paun I.A. ; Duta L.; Popescu A.C.	<i>An Experimental Study on Nano-Carbon Films as an Anti-Wear Protection for Drilling Tools</i>	COATINGS	ISI paper	7	12		228	10.3390/coatings7120228	2017		2079-6412			000 419197100021
17	Paun I.A. ; Zamfirescu M.; Luculescu C.R.; Acasandrei A.M.; Mustaciosu C.C.; Mihailescu M.; Dinescu M.	<i>Electrically responsive microsensors for controllable delivery of dexamethasone in bone tissue engineering</i>	APPLIED SURFACE SCIENCE	ISI paper	392		321-331		10.1016/j.apsusc.2016.09.	2017		0169-4332	1873-5584		000 389088300037
18	Chioibasu D.; Sima A.; Dobra C.; Paun I.A. ; Popescu, A.; Luculescu C.R.; Tiscanu I.; Puscas N.	<i>Non-destructive optical analysis of porosity content during Yt: YAG laser welding of Al alloy 1050 using x-Ray micro-tomography</i>	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS	ISI paper	79	4	307-316			2017		1223-7027			000 419176800027
19	Tudor R.; Mihailescu M.; Paun I.A. ; Nan A.E.; Kusko M.; Kusko C.	<i>Propagation robustness of two Laguerre-Gauss beam superposition</i>	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	ISI paper	17	3	222-229			2016		1454-9069			000 383527500005
20	Tudor R.; Mihailescu M.; Kusko C.; Paun I.A. ; Nan A. E.; Kusko M.	<i>Simultaneous and spatially separated detection of multiple orbital angular momentum states</i>	OPTICS COMMUNICATIONS	ISI paper	368		141-149		10.1016/j.optcom.2016.02	2016		0030-4018	1873-0310		000 371132000024
21	Mihailescu M.; Paun I.A. ; Zamfirescu, M.; Luculescu C. R.; Acasandrei A. M.; Dinescu M.	<i>Laser-assisted fabrication and non-invasive imaging of 3D cell-seeding constructs for bone tissue engineering</i>	JOURNAL OF MATERIALS SCIENCE	ISI paper	51	9	4262-4273		10.1007/s10853-016-9723	2016		0022-2461	1573-4803		000 370342100008
22	Mihailescu M.; Paun I.A. ; Vasile E.; Popescu R.C.; Baluta A.V.; Rotaru D.G.	<i>Digital off-axis holographic microscopy: from cells visualization, to phase shift values, ending with physiological parameters evolution</i>	ROMANIAN JOURNAL OF PHYSICS	ISI paper	61	5-6	1009-1027			2016		1221-146X			000 381898000022
23	Paun I.A. ; Acasandrei A.M.; Luculescu C.R.; Mustaciosu C.C.; Ion V.; Mihailescu M.; Vasile E.; Dinescu M.	<i>MAPLE deposition of polypyrrole-based composite layers for bone regeneration</i>	APPLIED SURFACE SCIENCE	ISI paper	357		975-984		10.1016/j.apsusc.2015.09.	2015		0169-4332	1873-5584		000 366216900128
24	Paun I.A. ; Stokker-Cheregi F.; Luculescu C.R.; Acasandrei A.M.; Ion V.; Zamfirescu M.; Mustaciosu C.C.; Mihailescu M.; Dinescu M.	<i>Electrically stimulated osteogenesis on Ti-PPy/PLGA constructs prepared by laser-assisted processes</i>	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	ISI paper	55		61-69		10.1016/j.msec.2015.05.05	2015		0928-4931	1873-0191		000 358809500008
25	Mihailescu M., Mihale N., Popescu R. C., Acasandrei A., Paun I.A. , Dinescu, M., Scarlat E.	<i>Focusing criterion in digital holographic microscopy image reconstruction</i>	ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES VII	Proceedings of SPIE	9258			92580U	10.1117/12.2070450	2015	7th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies AUG 21-24, 2014, Constanta, Romania	0277-786X	1996-756X	978-1-62841-325-	000 354179700030
26	Paun I.A. ; Zamfirescu M.; Mihailescu M.; Luculescu C.R.; Mustaciosu C.C.; Dorobantu I.; Calenic B.; Dinescu M.	<i>Laser micro-patterning of biodegradable polymer blends for tissue engineering</i>	JOURNAL OF MATERIALS SCIENCE	ISI paper	50	2	923-936		10.1007/s10853-014-8652	2015		0022-2461	1573-4803		000 345407900043
27	Calenic B.; Paun I.A. ; van Staden R. I.; Didilescu A.; Petre A.; Dinescu M.; Greabu M.	<i>Novel method for proliferation of oral keratinocyte stem cells</i>	JOURNAL OF PERIODONTAL RESEARCH	ISI paper	49	6	711-718		10.1111/jre.12153	2014		0022-3484	1600-0765		000 345152300005
28	Mihailescu M.; Popescu R. C.; Matei A.; Acasandrei A.; Paun I.A. ; Dinescu M.	<i>Investigation of osteoblast cells behavior in polymeric 3D micropatterned scaffolds using digital holographic microscopy</i>	APPLIED OPTICS	ISI paper	53	22	4850-4858		10.1364/AO.53.004850	2014		1559-128X	2155-3165		000 340824800018

29	Mihailescu M., Matei A., Acasandrei A., Popescu R. C., Paun I. A. , Dinescu M.	<i>MG63 cells behavior on rough Polypyrrole scaffolds investigated by digital holographic microscopy</i>	INTERFEROMETRY XVII: ADVANCED APPLICATIONS	Proceedings of SPIE	9204			92040N	10.1117/12.2062016	2014	Conference on Interferometry XVII - Advanced Applications, 18-20.08, 2014, San Diego, SLIA	0277-786X	1996-756X	978-1-62841-231-	000 343873800020
30	Paun I.A. ; Mihailescu M.; Calenic B.; Luculescu C.R.; Greabu M.; Dinescu M.	<i>MAPLE deposition of 3D micropatterned polymeric substrates for cell culture</i>	APPLIED SURFACE SCIENCE	ISI paper	278		166-172		10.1016/j.apsusc.2013.03.	2013	Spring Meeting of the European-Materials-Research-Society, MAY 14-18, 2012, Strasbourg, France	0169-4332			000 320598300034
31	Paun I.A. ; Moldovan A.; Luculescu C.R.; Dinescu M.	<i>Antibacterial polymeric coatings grown by matrix assisted pulsed laser evaporation</i>	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	ISI paper	110	4	895-902		10.1007/s00339-012-7193	2013		0947-8396	1432-0630		000 315159700025
32	Mihailescu M., Paun I.A. , Popescu R. C., Matei A., Acasandrei A., Dinescu M., Scarlat E. I.	<i>Deep Walls Microscaffold Characterization Using Digital Holographic Microscopy</i>	2013 CONFERENCE ON LASERS AND ELECTRO-OPTICS PACIFIC RIM (CLEO-PR), paper WPF_28	Proceedings						2013	10th Conference on Lasers and Electro-Optics Pacific Rim, JUN 30-JUL 04, 2013, Kyoto, Japan			978-1-4673-6476-	
33	Scarlat E.I.; Mihailescu M.; Paun I.A. ;Scarlat M.	<i>Discriminating the main representatives of the white blood cell species on the basis of the fractal properties of the DHM phase profile</i>	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS	ISI paper	75	2	147-154			2013		1223-7027			000 334176100679
34	Paun I.A. ; Ion V.; Luculescu C.R.; Dinescu M.; Canulescu S.; Schou J.	<i>In vitro studies of PEG thin films with different molecular weights deposited by MAPLE</i>	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	ISI paper	109	1	223-232		10.1007/s00339-012-7038	2012		0947-8396	1432-0630		000 324280400014
35	Paun I.A. ; Moldovan A.; Luculescu C.R.; Staicu A.; Dinescu M.	<i>MAPLE deposition of PLGA-PEG films for controlled drug delivery: Influence of PEG molecular weight</i>	APPLIED SURFACE SCIENCE	ISI paper	258	23	9302-9308		10.1016/j.apsusc.2011.10.	2012	Symposium H on Indium Nitride and Related Alloys/ICAM IUMRS Spring Meeting of the European-Materials-Research-Society, May 09-13, 2011, Nice, France	0169-4332	1873-5584		000 307241800041
36	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M.	<i>MAPLE deposition of PEG:PLGA thin films</i>	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	ISI paper	106	1	197-205		10.1007/s00339-011-6548	2012		0947-8396	1432-0630		000 298644100028
37	Paun I.A. , Ion V., Moldovan A., Dinescu M.	<i>MAPLE Deposited Polymeric Blends Coatings for Controlled Drug Delivery</i>	INTERNATIONAL SYMPOSIUM ON HIGH POWER LASER ABLATION 2012	AIP Conference Proceedings	1464		547-559		10.1063/1.4739908	2012	International Symposium on High Power Laser Ablation, APR 30-May 03, 2012, Santa FE, SLIA	0094-243X		978-0-7354-1068-	000 306992500052
38	Paun I.A. ; Moldovan A.; Luculescu C.R.; Dinescu M.	<i>Biocompatible polymeric implants for controlled drug delivery produced by MAPLE</i>	APPLIED SURFACE SCIENCE	ISI paper	257	24	10780-10788		10.1016/j.apsusc.2011.07.	2011		0169-4332	1873-5584		000 295540800078
39	Mihailescu M.; Scarlat M.; Gheorghiu A.; Costescu J.; Kusko M.; Paun I.A. ; Scarlat E.	<i>Automated imaging, identification, and counting of similar cells from digital hologram reconstructions</i>	APPLIED OPTICS	ISI paper	50	20	3589-3597		10.1364/AO.50.003589	2011		1559-128X	2155-3165		000 293069000027
40	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M.	<i>Thin films of polymer blends deposited by matrix-assisted pulsed laser evaporation: Effects of blending ratios</i>	APPLIED SURFACE SCIENCE	ISI paper	257	12	5259-5264		10.1016/j.apsusc.2010.11.	2011	E-MRS Symposium R on Laser Processing and Diagnostics for Micro - Nano Applications, June 7-11, 2010, Strasbourg, France	0169-4332	1873-5584		000 288007500030
41	Paun I.A. ; Ion V.; Moldovan A.; Dinescu M.	<i>Thin films of polymer blends for controlled drug delivery deposited by matrix-assisted pulsed laser evaporation</i>	APPLIED PHYSICS LETTERS	ISI paper	96	24		243702	10.1063/1.3453756	2010		0003-6951			000 208911500075
42	Paun I.A. ; Selimis A.; Bounos G.; Keckemeti G.; Georgiou S.	<i>Nanosecond and femtosecond UV laser ablation of polymers: Influence of molecular weight</i>	APPLIED SURFACE SCIENCE	ISI paper	255	24	9856-9860		10.1016/j.apsusc.2009.04.	2009	6th International Conference on Photo-Excited Processes and Applications, Sep 09-12, 2008, Sapporo, Japan	0169-4332	1873-5584		000 270420700071
43	Pouli P.; Paun I.A. ; Bounos G.; Georgiou S.; Fotakis C.	<i>The potential of UV femtosecond laser ablation for varnish removal in the restoration of painted works of art</i>	APPLIED SURFACE SCIENCE	ISI paper	254	21	6875-6879		10.1016/j.apsusc.2008.04.	2008		0169-4332	1873-5584		000 258997700033
44	Hugon O.; Paun I.A. ; Ricard C.; van der Sanden B.; Lacot E.; Jacquin O.; Witomski A.	<i>Cell imaging by coherent backscattering microscopy using frequency-shifted optical feedback in a microchip laser</i>	ULTRAMICROSCOPY	ISI paper	108	6	523-528		10.1016/j.ultramic.2007.08.	2008		0304-3991			000 256209200003
45	Paun I.A. ; Lacot E.	<i>Analysis of noncooperative targets using a diode-pumped Nd : YAG microchip laser with frequency-shifted optical feedback</i>	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	ISI paper	9	4	1065-1070			2007	7th International Balkan Workshop on Applied Physics, Jul 5-7, 2006, Constanta, Romania	1454-4164	1841-7132		000 245834800057
46	Paun I.A.	<i>Optical feedback effects on microchip laser dynamics used for determining the characteristics of the materials</i>	Advanced Laser Technologies 2006	Proceedings of SPIE	6606		60611-60611	660611	10.1117/12.729654	2007	14th International Conference on Advanced Laser Technologies, Sep 08-12, 2006, Brasov, Romania	0277-786X		978-0-8194-6744-	000 246689900036

DATA: 07.12.2021

SEMNTURA: