Rodica Cristescu

List of Publications by Year
in descending order

56	1,157	331670 21	414414 32
papers	citations	h-index	g-index

56	56	56	1181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacteriocins in the Era of Antibiotic Resistance: Rising to the Challenge. Pharmaceutics, 2021, 13, 196.	4.5	47
2	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. Molecules, 2021, 26, 3634.	3.8	5
3	Composite Drug Delivery System Based on Amorphous Calcium Phosphateâ€“Chitosan: An Efficient Antimicrobial Platform for Extended Release of Tetracycline. Pharmaceutics, 2021, 13, 1659.	4.5	5
4	Long-Term Evaluation of Dip-Coated PCL-Blend-PEG Coatings in Simulated Conditions. Polymers, 2020, 12, 717.	4.5	22
5	Solution for green organic thin film transistors: Fe3O4 nano-core with PABA external shell as p-type film. Journal of Materials Science: Materials in Electronics, 2020, 31, 3063-3073.	2.2	7
6	Novel Antimicrobial Surfaces to Defeat COVID-19 Transmission. MRS Advances, 2020, 5, 2839-2851.	0.9	5
7	Laser Processed Antimicrobial Nanocomposite Based on Polyaniline Grafted Lignin Loaded with Gentamicin-Functionalized Magnetite. Polymers, 2019, 11, 283.	4.5	15
8	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. Applied Sciences (Switzerland), 2019, 9, 786.	2.5	6
9	Matrix-Assisted Pulsed laser Evaporation-deposited Rapamycin Thin Films Maintain Antiproliferative Activity. International Journal of Bioprinting, 2019, 6, 188.	3.4	3
10	Solvent-based Extrusion 3D Printing for the Fabrication of Tissue Engineering Scaffolds. International Journal of Bioprinting, 2019, 6, 211.	3.4	73
11	Histamine detection using functionalized porphyrin as electrochemical mediator. Comptes Rendus Chimie, 2018, 21, 270-276.	0.5	11
12	Antimicrobial polycaprolactone/polyethylene glycol embedded lysozyme coatings of Ti implants for osteoblast functional properties in tissue engineering. Applied Surface Science, 2017, 417, 234-243.	6.1	31
13	An Experimental Study on Nano-Carbon Films as an Anti-Wear Protection for Drilling Tools. Coatings, 2017, 7, 228.	2.6	7
14	Printing amphotericin B on microneedles using matrixassisted pulsed laser evaporationÂ. International Journal of Bioprinting, 2017, 3, 147.	3.4	12
15	Antimicrobial activity of biopolymeric thin films containing flavonoid natural compounds and silver nanoparticles fabricated by MAPLE: A comparative study. Applied Surface Science, 2016, 374, 290-296.	6.1	23
16	Fabrication of magnetite-based coreâ€“shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
17	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. Applied Surface Science, 2015, 336, 234-239.	6.1	9
18	Composite biodegradable biopolymer coatings of silk fibroin â€“ Poly(3-hydroxybutyric-acid-co-3-hydroxyvaleric-acid) for biomedical applications. Applied Surface Science, 2015, 355, 1123-1131.	6.1	30

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19	A Sensitive A3B Porphyrin Nanomaterial for CO2 Detection. Molecules, 2014, 19, 21239-21252.	3.8	14
20	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. Beilstein Journal of Nanotechnology, 2014, 5, 872-880.	2.8	31
21	Functionalized antibiofilm thin coatings based on PLAâ€“PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. Applied Surface Science, 2014, 302, 262-267.	6.1	64
22	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. Biofabrication, 2013, 5, 015007.	7.1	36
23	Functionalized porphyrin conjugate thin films deposited by matrix assisted pulsed laser evaporation. Applied Surface Science, 2013, 278, 207-210.	6.1	17
24	Antimicrobial activity of biopolymerâ€“antibiotic thin films fabricated by advanced pulsed laser methods. Applied Surface Science, 2013, 278, 211-213.	6.1	14
25	Magnetic core/shell nanoparticle thin films deposited by MAPLE: Investigation by chemical, morphological and in vitro biological assays. Applied Surface Science, 2012, 258, 9250-9255.	6.1	21
26	Pulsed Laser Processing of Functionalized Polysaccharides for Controlled Release Drug Delivery Systems. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 231-236.	0.5	8
27	Deposition of antibacterial of poly(1,3-bis-(p-carboxyphenoxy propane)-co-(sebacic anhydride)) 20:80/gentamicin sulfate composite coatings by MAPLE. Applied Surface Science, 2011, 257, 5287-5292.	6.1	32
28	MAPLE deposition of Mn(III) metalloporphyrin thin films: Structural, topographical and electrochemical investigations. Applied Surface Science, 2011, 257, 5293-5297.	6.1	18
29	Matrix-assisted pulsed laser methods for biofabrication. MRS Bulletin, 2011, 36, 1043-1050.	3.5	72
30	Functional porphyrin thin films deposited by matrix assisted pulsed laser evaporation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 106-110.	3.5	17
31	Thin films of polymer mimics of cross-linking mussel adhesive proteins deposited by matrix assisted pulsed laser evaporation. Applied Surface Science, 2009, 255, 5496-5498.	6.1	19
32	Functional polyethylene glycol derivatives nanostructured thin films synthesized by matrix-assisted pulsed laser evaporation. Applied Surface Science, 2009, 255, 9873-9876.	6.1	10
33	Functionalized polyvinyl alcohol derivatives thin films for controlled drug release and targeting systems: MAPLE deposition and morphological, chemical and in vitro characterization. Applied Surface Science, 2009, 255, 5600-5604.	6.1	21
34	Laser processing of polyethylene glycol derivative and block copolymer thin films. Applied Surface Science, 2009, 255, 5605-5610.	6.1	11
35	<title>Experiments of MAPLE thin film technology</title>. , 2007, , .		0
36	Thin films growth parameters in MAPLE; application to fibrinogen. Journal of Physics: Conference Series, 2007, 59, 22-27.	0.4	7

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37	Matrix assisted pulsed laser evaporation of pullulan tailor-made biomaterial thin films for controlled drug delivery systems. Journal of Physics: Conference Series, 2007, 59, 144-149.	0.4	8
38	Matrix-assisted pulsed-laser evaporation of DOPA-modified poly(ethylene glycol) thin films. Journal of Adhesion Science and Technology, 2007, 21, 287-299.	2.6	8
39	Polycaprolactone biopolymer thin films obtained by matrix assisted pulsed laser evaporation. Applied Surface Science, 2007, 253, 6476-6479.	6.1	34
40	Matrix assisted pulsed laser evaporation of poly(d,l-lactide) thin films for controlled-release drug systems. Applied Surface Science, 2007, 253, 7702-7706.	6.1	14
41	Matrix assisted pulsed laser evaporation of cinnamate-pullulan and tosylate-pullulan polysaccharide derivative thin films for pharmaceutical applications. Applied Surface Science, 2007, 253, 7755-7760.	6.1	16
42	Processing of poly(1,3-bis-(p-carboxyphenoxy propane)-co-(sebacic anhydride)) 20:80 (P(CPP:SA)20:80) by matrix-assisted pulsed laser evaporation for drug delivery systems. Applied Surface Science, 2007, 254, 1169-1173.	6.1	9
43	Laser processing of natural mussel adhesive protein thin films. Materials Science and Engineering C, 2007, 27, 409-413.	7.3	20
44	MAPLE applications in studying organic thin films. Laser Physics, 2007, 17, 66-70.	1.2	36
45	Laser deposition of cryoglobulin blood proteins thin films by matrix assisted pulsed laser evaporation. Applied Surface Science, 2006, 252, 4652-4655.	6.1	15
46	Matrix assisted pulsed laser evaporation processing of triacetate-pullulan polysaccharide thin films for drug delivery systems. Applied Surface Science, 2006, 252, 4647-4651.	6.1	31
47	Functionalized Thin Films and Structures Obtained by Novel Laser Processing Issues. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 211-226.	0.1	2
48	Processing of mussel adhesive protein analog thin films by matrix assisted pulsed laser evaporation. Applied Surface Science, 2005, 247, 217-224.	6.1	22
49	Processing of mussel-adhesive protein analog copolymer thin films by matrix-assisted pulsed laser evaporation. Applied Surface Science, 2005, 248, 416-421.	6.1	20
50	Laser deposition of fibrinogen blood proteins thin films by matrix assisted pulsed laser evaporation. Applied Surface Science, 2005, 248, 422-427.	6.1	48
51	Laser Thin Film Processing of Biopolymers: Mussel Adhesive Protein Analog. Materials Research Society Symposia Proceedings, 2005, 897, 1.	0.1	0
52	Pulsed laser deposition of biocompatible polymers: a comparative study in case of pullulan. Thin Solid Films, 2004, 453-454, 262-268.	1.8	36
53	Deposition of biopolymer thin films by matrix assisted pulsed laser evaporation. Applied Physics A: Materials Science and Processing, 2004, 79, 1023-1026.	2.3	59
54	New results in pulsed laser deposition of poly-methyl-methacrylate thin films. Applied Surface Science, 2003, 208-209, 645-650.	6.1	27

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55	<title>Pulsed laser deposition of poly(methyl methacrylate) thin films: experimental evidence by XRD, XPS, AFM, optical microscopy, Raman spectroscopy, and FTIR</title>. , 2003, , .		0
56	<title>Particulates in pulsed laser deposition: formation mechanisms and possible approaches to their elimination</title>. , 2002, 4762, 64.		4