

Dan Eduard Mihaiescu

List of Publications by Year in descending order

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74
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74
docs citations

74
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Inhibitory Activity of Fe_3O_4 /Oleic Acid/Usnic Acid Core/Shell/Extra-Shell Nanofluid on S. aureus Biofilm Development. IEEE Transactions on Nanobioscience, 2011, 10, 269-274.	3.3	53
3	Synthesis, characterization and in vitro assessment of the magnetic chitosan-carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells. International Journal of Pharmaceutics, 2012, 436, 771-777.	5.2	53
4	Laser deposition of fibrinogen blood proteins thin films by matrix assisted pulsed laser evaporation. Applied Surface Science, 2005, 248, 422-427.	6.1	48
5	Improved antibacterial activity of cephalosporins loaded in magnetic chitosan microspheres. International Journal of Pharmaceutics, 2012, 436, 201-205.	5.2	47
6	Pulsed laser deposition of biocompatible polymers: a comparative study in case of pullulan. Thin Solid Films, 2004, 453-454, 262-268.	1.8	36
7	Synthesis and characterization of PANi-SiO ₂ and PTH-SiO ₂ nanocomposites' thin films by plasma polymerization. Progress in Solid State Chemistry, 2006, 34, 191-199.	7.2	36
8	Hybrid Nanomaterial for Stabilizing the Antibiofilm Activity of Eugenia carryophyllata Essential Oil. IEEE Transactions on Nanobioscience, 2012, 11, 360-365.	3.3	36
9	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. Biofabrication, 2013, 5, 015007.	7.1	36
10	Polycaprolactone biopolymer thin films obtained by matrix assisted pulsed laser evaporation. Applied Surface Science, 2007, 253, 6476-6479.	6.1	34
11	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
12	Magnetic chitosan for drug targeting and in vitro drug delivery response. Biointerface Research in Applied Chemistry, 2011, 1, 160-165.	1.0	27
13	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
14	Processing of mussel adhesive protein analog thin films by matrix assisted pulsed laser evaporation. Applied Surface Science, 2005, 247, 217-224.	6.1	22
15	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
16	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
17	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. Current Organic Chemistry, 2013, 17, 1029-1033.	1.6	17
18	Functionalized magnetic nanoparticles for biomedical applications. Current Pharmaceutical Design, 2015, 21, 6038-6054.	1.9	17

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19	Matrix assisted pulsed laser evaporation of cinnamate-pullulan and tosylate-pullulan polysaccharide derivative thin films for pharmaceutical applications. <i>Applied Surface Science</i> , 2007, 253, 7755-7760.	6.1	16
20	Laser deposition of cryoglobulin blood proteins thin films by matrix assisted pulsed laser evaporation. <i>Applied Surface Science</i> , 2006, 252, 4652-4655.	6.1	15
21	Fe ₃ O ₄ /Salicylic acid nanoparticles behavior on chick CAM vasculature. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	15
22	Flow vacuum pyrolysis of tetrazoles with annelated dibenzocycloalkane skeletons. <i>Journal of Analytical and Applied Pyrolysis</i> , 1999, 48, 129-146.	5.5	14
23	Matrix assisted pulsed laser evaporation of poly(D,L-lactide) thin films for controlled-release drug systems. <i>Applied Surface Science</i> , 2007, 253, 7702-7706.	6.1	14
24	Antitumoral materials with regenerative function obtained using a layer-by-layer technique. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1269.	4.3	13
25	Magnetic scaffold for drug targeting: evaluation of cephalosporins controlled release profile. <i>Biointerface Research in Applied Chemistry</i> , 2011, 1, 191-195.	1.0	13
26	Fe ₃ O ₄ /salicylic acid nanoparticles versatility in magnetic mediated vascular nanoblockage. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	12
27	Laser processing of polyethylene glycol derivative and block copolymer thin films. <i>Applied Surface Science</i> , 2009, 255, 5605-5610.	6.1	11
28	Hybrid materials for drug delivery of rifampicin: evaluation of release profile. <i>Biointerface Research in Applied Chemistry</i> , 2011, 1, 229-235.	1.0	11
29	Effect of p-toluene sulphonic acid doping on the properties of plasma polymerized aniline thin films. <i>Synthetic Metals</i> , 2004, 147, 133-138.	3.9	10
30	Inorganic copolymers based on silanes and ferrocene monomers, precursors for advanced nanostructured ceramics. <i>Composites Science and Technology</i> , 2005, 65, 713-717.	7.8	10
31	Functional polyethylene glycol derivatives nanostructured thin films synthesized by matrix-assisted pulsed laser evaporation. <i>Applied Surface Science</i> , 2009, 255, 9873-9876.	6.1	10
32	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. <i>Applied Surface Science</i> , 2015, 336, 234-239.	6.1	9
33	Magnetic Nanoparticles for Controlling in vitro Fungal Biofilms. <i>Current Organic Chemistry</i> , 2013, 17, 1023-1028.	1.6	9
34	Matrix assisted pulsed laser evaporation of pullulan tailor-made biomaterial thin films for controlled drug delivery systems. <i>Journal of Physics: Conference Series</i> , 2007, 59, 144-149.	0.4	8
35	Iron Oxide/Salicylic Acid Nanoparticles as Potential Therapy for B16F10 Melanoma Transplanted on the Chick Chorioallantoic Membrane. <i>Processes</i> , 2020, 8, 706.	2.8	8
36	Microwave-Assisted Sol-Gel Preparation of the Nanostructured Magnetic System for Solid-Phase Synthesis. <i>Nanomaterials</i> , 2021, 11, 3176.	4.1	8

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37	Flow-vacuum pyrolysis of 5H-dibenzo[a,d]cyclohepten-5-one oxime and 10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-one oxime. <i>Journal of Analytical and Applied Pyrolysis</i> , 2000, 53, 161-176.	5.5	7
38	Thin films growth parameters in MAPLE; application to fibrinogen. <i>Journal of Physics: Conference Series</i> , 2007, 59, 22-27.	0.4	7
39	Solution for green organic thin film transistors: Fe ₃ O ₄ nano-core with PABA external shell as p-type film. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3063-3073.	2.2	7
40	Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. <i>Romanian Journal of Morphology and Embryology</i> , 2015, 56, 365-70.	0.8	7
41	Flow-vacuum pyrolysis of three dibenzocycloalkanones. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 57, 261-274.	5.5	6
42	Flow-vacuum pyrolysis of 5-methylene-5H-dibenzo[a,d]cycloheptene. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 67, 359-368.	5.5	6
43	Multifaced Role of Dual Herbal Principles Loaded-Lipid Nanocarriers in Providing High Therapeutic Efficacy. <i>Pharmaceutics</i> , 2021, 13, 1511.	4.5	6
44	Spectral Characteristics of 2,7-Naphthyridines. <i>Molecules</i> , 2000, 5, 956-960.	3.8	5
45	Plasma polymerized ferrocene-pyrrole copolymer films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 503-507.	7.6	5
46	Influence of hybrid inorganic/organic mesoporous and nanostructured materials on the cephalosporins™ efficacy on different bacterial strains. <i>IET Nanobiotechnology</i> , 2012, 6, 156-161.	3.8	5
47	Vertical variants of PIN and p-NOI tunnel electronic devices and potential applications. , 2017, , .		5
48	Functionalized silica shell magnetic nanoparticles for nanophase peptide synthesis applications. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 45-56.	4.4	5
49	Influence of magnetic MWCNTs on the antimicrobial activity of cephalosporins. <i>Biointerface Research in Applied Chemistry</i> , 2011, 1, 139-144.	1.0	5
50	Phenotypic Switching of B16F10 Melanoma Cells as a Stress Adaptation Response to Fe ₃ O ₄ /Salicylic Acid Nanoparticle Therapy. <i>Pharmaceutics</i> , 2021, 14, 1007.	3.8	5
51	Generalized Analytical Model for Enzymatic BioFET Transistors. <i>Biosensors</i> , 2022, 12, 474.	4.7	5
52	High temperature superconducting materials based on Graphene / YBCO nanocomposite. <i>Materials Today: Proceedings</i> , 2016, 3, 2628-2634.	1.8	4
53	Sulpho-Salicylic Acid Grafted to Ferrite Nanoparticles for n-Type Organic Semiconductors. <i>Nanomaterials</i> , 2020, 10, 1787.	4.1	4
54	Prosthetic Devices with Functionalized Anti-biofilm Surface Based NanoAg@C18. <i>Current Organic Chemistry</i> , 2013, 17, 105-112.	1.6	4

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55	NRET " A rapid method to investigate the water-oil interface in reverse micellar systems. Journal of Molecular Liquids, 2016, 214, 283-292.	4.9	3
56	In vitro and in vivo applications of 3D dendritic gold nanostructures. Romanian Journal of Morphology and Embryology, 2015, 56, 915-24.	0.8	3
57	Technology of fabrication and functional validations of planar-Nothing On Insulator devices with oxide instead vacuum. , 2018, , .		2
58	Efficiency of gentamicin loaded in bacterial polysaccharides microcapsules against intracellular Gram-positive and Gram-negative invasive pathogens. Romanian Journal of Morphology and Embryology, 2015, 56, 1417-21.	0.8	2
59	Magnetic nanoparticles-based therapy for malignant mesothelioma. Romanian Journal of Morphology and Embryology, 2017, 58, 457-463.	0.8	2
60	Static and Dynamic Aspects of Different Tunneling NOI Nanotransistors with Oxide and Vacuum. , 2017, , .		1
61	A Nothing on Insulator - NOI - Nanotransistor Configuration Suitable for the Zaidman Model. , 2018, , .		1
62	Simulation and Experimental Studies about Proper Electrodes of an Organic Thin Film Transistor. , 2019, , .		1
63	Application of the Nonlinear Electrical Conduction Theorem to Emphasize the Optimized Biosensor Sensitivity. , 2019, , .		1
64	Design of the Technological Flow to Produce a Planar Variant of the Nothing on Insulator Device and its Tunneling Conduction. Journal of Nano Research, 2019, 60, 33-41.	0.8	1
65	PV Microgrids Efficiency: From Nanomaterials and Semiconductor Polymer Technologies for PV Cells to Global MPPT Control for PV Arrays. Power Systems, 2020, , 289-325.	0.5	1
66	Organic Compounds Integrated on Nanostructured Materials for Biomedical Applications. Lecture Notes in Networks and Systems, 2019, , 489-497.	0.7	1
67	Flash Vacuum Pyrolysis of 2,5-Diphenyloxazole. Molecules, 2000, 5, 1004-1010.	3.8	0
68	Application of FT-IR Classification Method in Silica-Plant Extracts Composites Quality Testing. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012064.	0.6	0
69	Bionanocomposites based of polylactic acid and silver nanoparticles obtained by solvent evaporation for potential use as biomaterials. , 2019, , .		0
70	Experimental Characteristics of Organic Transistor with Silver Gate. , 2019, , .		0
71	SYNTHESIS AND BIOEVALUATION OF MAGNETIC PARTICLES BASED ON CHITOSAN AND PHYTOCOMPONENTS FROM Eugenia carryophyllata AQUEOUS EXTRACT. Environmental Engineering and Management Journal, 2015, 14, 855-861.	0.6	0
72	Synthesis and Characterization of a Core-shell Material Using YBa2Cu3O7-d and Cobalt Ferrite Nanoparticles. Revista De Chimie (discontinued), 2019, 69, 3345-3348.	0.4	0

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73	Administration Routes as Modulators of the Intrahepatic Distribution and Anti-Anemic Activity of Salicylic Acid/Fe ₃ O ₄ Nanoparticles. <i>Biomedicines</i> , 2022, 10, 1213.	3.2	0