

Elena Matei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6408882/publications.pdf>

Version: 2024-02-01

90
papers

915
citations

516215

16
h-index

642321

23
g-index

90
all docs

90
docs citations

90
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Monodispersed nanoplatelets of samarium oxides for biosensing applications in biological fluids. <i>Electrochimica Acta</i> , 2022, 402, 139532.	2.6	2
2	Capacitive Photodetector Thin-Film Cells of Cu-As ₂ S ₃ -Cu as Revealed by Dielectric Spectroscopy. <i>Sensors</i> , 2022, 22, 1143.	2.1	0
3	Structural and Optical Characterization of Silica Nanospheres Embedded with Monodisperse CeO ₂ -Eu ³⁺ Nanocrystals. <i>Magnetochemistry</i> , 2022, 8, 22.	1.0	1
4	The Synergistic Effect of the Laser Beam on the Thermionic Vacuum Arc Method for Titanium-Doped Chromium Thin Film Deposition. <i>Coatings</i> , 2022, 12, 470.	1.2	2
5	Put variety in White™: Multi-analytical investigation of the white pigments inlaid on Early Chalcolithic pottery from Southern Romania. <i>Journal of Archaeological Science: Reports</i> , 2022, 42, 103402.	0.2	1
6	Crosslinked Collagenic Scaffold Behavior Evaluation by Physico-Chemical, Mechanical and Biological Assessments in an In Vitro Microenvironment. <i>Polymers</i> , 2022, 14, 2430.	2.0	4
7	New Chalcogenide Glass-Ceramics Based on Ge-Zn-Se for IR Applications. <i>Materials</i> , 2022, 15, 5002.	1.3	3
8	Poly(Vinyl Chloride) Spheres Coated with Graphene Oxide Sheets: From Synthesis to Optical Properties and Their Applications as Flame-Retardant Agents. <i>Polymers</i> , 2021, 13, 565.	2.0	14
9	Structural, morphological and optical properties of Cu-Fe-Sn-S thin films prepared by electrodeposition at fixed applied potential. <i>Thin Solid Films</i> , 2021, 721, 138547.	0.8	11
10	Hybrid Nanostructures Obtained by Transport and Condensation of Tungsten Oxide Vapours onto CNW Templates. <i>Nanomaterials</i> , 2021, 11, 835.	1.9	7
11	Chemical Composition, Antipathogenic and Cytotoxic Activity of the Essential Oil Extracted from <i>Amorpha fruticosa</i> Fruits. <i>Molecules</i> , 2021, 26, 3146.	1.7	12
12	Gold coated electrospun polymeric fibres as new electrode platform for glucose oxidase immobilization. <i>Microchemical Journal</i> , 2021, 165, 106108.	2.3	13
13	Optical Properties of Composites Based on Poly(o-phenylenediamine), Poly(vinylene fluoride) and Double-Wall Carbon Nanotubes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8260.	1.8	4
14	Silicon Metalens Fabrication from Electron Beam to UV-Nanoimprint Lithography. <i>Nanomaterials</i> , 2021, 11, 2329.	1.9	11
15	Rhodamine B Photodegradation in Aqueous Solutions Containing Nitrogen Doped TiO ₂ and Carbon Nanotubes Composites. <i>Molecules</i> , 2021, 26, 7237.	1.7	12
16	Micrometer Sized Hexagonal Chromium Selenide Flakes for Cryogenic Temperature Sensors. <i>Sensors</i> , 2021, 21, 8084.	2.1	6
17	Synthesis and characterization of conducting aniline and o-anisidine nanocomposites based on montmorillonite modified clay. <i>Applied Clay Science</i> , 2020, 184, 105395.	2.6	15
18	Secondary Crystalline Phases Influence on Optical Properties in Off-Stoichiometric Cu ₂ S-ZnS-SnS ₂ Thin Films. <i>Materials</i> , 2020, 13, 4624.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Ionophore- Nafion [®] , [®] modified gold-coated electrospun polymeric fibers electrodes for determination of electrolytes. <i>Electrochimica Acta</i> , 2020, 363, 137239.	2.6	13
20	Combining Fluorinated Polymers with Ag Nanoparticles as a Route to Enhance Optical Properties of Composite Materials. <i>Polymers</i> , 2020, 12, 1640.	2.0	12
21	Oxidation of chalcopyrite in air-equilibrated acidic solution: Inhibition with phenacyl derivatives. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 1928-1942.	1.7	2
22	Tungsten Nanoparticles Produced by Magnetron Sputtering Gas Aggregation: Process Characterization and Particle Properties. , 2020, , .		4
23	SnSe ₂ -Zn-Porphyrin Nanocomposite Thin Films for Threshold Methane Concentration Detection at Room Temperature. <i>Chemosensors</i> , 2020, 8, 134.	1.8	6
24	Optical Properties of Composites Based on Graphene Oxide and Polystyrene. <i>Molecules</i> , 2020, 25, 2419.	1.7	14
25	Towards a Correlation between Structural, Magnetic, and Luminescence Properties of CeF ₃ :Tb ³⁺ Nanocrystals. <i>Materials</i> , 2020, 13, 2980.	1.3	10
26	The Interaction of Tungsten Dust with Human Skin Cells. , 2020, , .		1
27	Morphological and structural investigation of the poly(vinyl chloride) / graphene oxide composites. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2020, 65, 245-258.	0.1	2
28	Structural and optical properties of ZnO thin films grown by rapid atmospheric mist chemical vapor technique. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	7
29	Nanostructured palladium doped nickel electrodes for immobilization of oxidases through nickel nanoparticles. <i>Electrochimica Acta</i> , 2019, 315, 102-113.	2.6	12
30	Direct Immobilization of Biomolecules through Magnetic Forces on Ni Electrodes via Ni Nanoparticles: Applications in Electrochemical Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19867-19877.	4.0	30
31	Gd ³⁺ co-doping influence on the morphological, up-conversion luminescence and magnetic properties of LiYF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 236-241.	1.9	10
32	The influence of the nanocrystals size and surface on the Yb/Er doped LaF ₃ luminescence properties. <i>Journal of Alloys and Compounds</i> , 2019, 791, 1098-1104.	2.8	34
33	Electrochemical Sensor for Carbonyl Groups in Oxidized Proteins. <i>Analytical Chemistry</i> , 2019, 91, 1920-1927.	3.2	13
34	Inhibitory effect of three phenacyl derivatives on the oxidation of sphalerite (ZnS) in air-equilibrated acidic solution. <i>Corrosion Science</i> , 2018, 138, 154-162.	3.0	3
35	On the properties of organic heterostructures prepared with nano-patterned metallic electrode. <i>Applied Surface Science</i> , 2018, 443, 592-602.	3.1	9
36	Magnetism and magnetoresistance of single Ni ²⁺ -Cu alloy nanowires. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2345-2355.	1.5	8

#	ARTICLE	IF	CITATIONS
37	Hierarchical functionalization of electrospun fibers by electrodeposition of zinc oxide nanostructures. <i>Applied Surface Science</i> , 2018, 458, 555-563.	3.1	13
38	Tungsten nanoparticles with controlled shape and crystallinity obtained by magnetron sputtering and gas aggregation. <i>Materials Letters</i> , 2017, 200, 121-124.	1.3	25
39	MAPLE prepared heterostructures with oligoazomethine: Fullerene derivative mixed layer for photovoltaic applications. <i>Applied Surface Science</i> , 2017, 417, 183-195.	3.1	11
40	Effect of heavy ions irradiation on the properties of benzil crystals. <i>Crystal Research and Technology</i> , 2017, 52, 1700047.	0.6	3
41	Crystallization kinetics mechanism investigation of sol-gel-derived NaYF ₄ :(Yb,Er) up-converting phosphors. <i>CrystEngComm</i> , 2017, 19, 4992-5000.	1.3	13
42	Polyaniline based microtubes as building-blocks for artificial muscle applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 576-583.	4.0	18
43	Templateless electrodeposition ZnO nanowires for charge transport optimization in OLED structures. <i>Materials Research Express</i> , 2016, 3, 105018.	0.8	5
44	Amorphous thin films in the gallium-chalcogen system. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1033-1037.	0.7	6
45	Characterization of hydrogenated and deuterated silicon carbide films codeposited by magnetron sputtering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 371, 322-326.	0.6	6
46	Influence of metallic and semiconducting nanostructures on the optical properties of dye-doped polymer thin films. <i>Thin Solid Films</i> , 2016, 614, 31-35.	0.8	7
47	Electrochromic properties of polyaniline-coated fiber webs for tissue engineering applications. <i>International Journal of Pharmaceutics</i> , 2016, 510, 465-473.	2.6	33
48	Electrical properties of templateless electrodeposited ZnO nanowires. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 364-372.	1.9	13
49	Electrical properties of single CdTe nanowires. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 444-450.	1.5	5
50	Inhibition of troilite (FeS) oxidative dissolution in air-saturated acidic solutions by O-ethyl-S-2-(2-hydroxy-3,5-diiodophenyl)-2-oxoethylxantogenate. <i>Materials Chemistry and Physics</i> , 2015, 157, 101-107.	2.0	11
51	Ceramics and amorphous thin films based on gallium sulphide doped by rare-earth sulphides. <i>Semiconductor Science and Technology</i> , 2015, 30, 044001.	1.0	2
52	Synthesis of flower-like tungsten nanoparticles by magnetron sputtering combined with gas aggregation. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	45
53	Cu codoping control over magnetic precipitate formation in ZnCoO nanowires. <i>Applied Physics Letters</i> , 2014, 105, 252403.	1.5	0
54	Metallic Nanowires and Nanotubes Prepared by Template Replication. <i>Springer Series in Materials Science</i> , 2014, , 137-165.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Effects of substrate and ambient gas on epitaxial growth indium oxide thin films. Applied Surface Science, 2014, 307, 455-460.	3.1	20
56	Embedding of IrQ(ppy) ₂ organometallic compounds in polypyrrole conducting polymer for OLED™s applications. Synthetic Metals, 2014, 198, 323-328.	2.1	7
57	Synthesis and Raman scattering of multiferroic Fe _{1-x} P _x B _{0.2} T _{0.8} O ₃ core-shell wire arrays. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 200-205.	0.8	2
58	Influence of 2,2'-bipyridine on oxidative dissolution of iron monosulfide. Surface and Interface Analysis, 2014, 46, 842-846.	0.8	4
59	BaFBr:Eu ²⁺ nanophosphor-SiO ₂ hybrid entrapped in Anodise Alumina membrane pores array. Radiation Measurements, 2014, 68, 38-41.	0.7	2
60	Biocatalytic designs for the conversion of renewable glycerol into glycerol carbonate as a value-added product. Open Chemistry, 2014, 12, 1262-1270.	1.0	7
61	Characterization of hydrogenated and deuterated thin carbon films deposited by magnetron sputtering. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 121-124.	0.6	1
62	Field Effect Transistor with Electrodeposited ZnO Nanowire Channel. Electrochimica Acta, 2014, 137, 290-297.	2.6	15
63	Zinc Oxide and Polysaccharides: Promising Candidates for Functional Nanomaterials. Springer Series in Materials Science, 2014, , 109-136.	0.4	1
64	Magnetic configurations of Ni-Cu alloy nanowires obtained by the template method. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	17
65	Single bath electrodeposition of samarium oxide/zinc oxide nanostructured films with intense, broad luminescence. Electrochimica Acta, 2013, 95, 170-178.	2.6	4
66	Synthetic fabrics coated with zinc oxide nanoparticles by electroless deposition: Structural characterization and wetting properties. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1427-1437.	2.4	17
67	Superhydrophobic properties of cotton fabrics functionalized with ZnO by electroless deposition. Materials Chemistry and Physics, 2013, 138, 253-261.	2.0	62
68	Luminescent micro- and nanofibers based on novel europium phthalate complex. Materials Chemistry and Physics, 2012, 136, 51-58.	2.0	2
69	ZnO morphological, structural and optical properties control by electrodeposition potential sweep rate. Materials Chemistry and Physics, 2012, 134, 988-993.	2.0	13
70	Synthesis of CdS nanostructures using template-assisted ammonia-free chemical bath deposition. Journal of Physics and Chemistry of Solids, 2012, 73, 1082-1089.	1.9	4
71	Electrochemical Growth of Eosin Y/Manganese Doped ZnO as Hybrid Films and Nanowires. Zeitschrift Fur Physikalische Chemie, 2011, 225, 325-339.	1.4	3
72	Electrodeposited ZnO films with high UV emission properties. Materials Research Bulletin, 2011, 46, 2147-2154.	2.7	12

#	ARTICLE	IF	CITATIONS
73	Effect of aqueous comonomer solubility on the surfactant-free emulsion copolymerization of methyl methacrylate. <i>Journal of Polymer Research</i> , 2011, 18, 25-30.	1.2	14
74	Thin films of arylenevinylene oligomers prepared by MAPLE for applications in non-linear optics. <i>Applied Surface Science</i> , 2011, 257, 5298-5302.	3.1	23
75	Polymer-assisted crystallization of low-dimensional lead sulfide particles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1826-1832.	1.3	2
76	Semiconductor Hybrid Structure: Nanowires Embedded in a Matrix from the Same Material. <i>ECS Transactions</i> , 2010, 25, 155-161.	0.3	0
77	Synthesis and properties of poly(methyl methacrylate-2-acrylamido-2-methylpropane sulfonic acid)/PbS hybrid composite. <i>Materials Research Bulletin</i> , 2010, 45, 1008-1012.	2.7	16
78	Cobalt-doped ZnO prepared by electrochemistry: Chemistry, morphology, and magnetism. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2517-2522.	0.8	11
79	Structure and properties of silver doped SnSe ₂ and Ge ₂ Sb ₂ Te ₅ thin films prepared by pulsed laser deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 516-520.	0.8	21
80	Multisegment CdTe nanowire homojunction photodiode. <i>Nanotechnology</i> , 2010, 21, 105202.	1.3	26
81	Optical and morphologic properties of YVO ₄ :Eu phosphor. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
82	Influence of polyvinylpyrrolidone as an additive in electrochemical preparation of ZnO nanowires and nanostructured thin films. <i>Surface and Interface Analysis</i> , 2008, 40, 556-560.	0.8	5
83	Transport properties of electrodeposited ZnO nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2504-2507.	1.3	20
84	Luminescence and EPR study of ZnO:Mn:Cu nanowire array. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2494-2498.	1.3	5
85	Electrical properties of electrodeposited CdS nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2485-2488.	1.3	19
86	Preparation and Properties of Cobalt Doped ZnO Nanowires. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2678-2680.	1.2	4
87	Preparation and Properties of Transition Metal Doped ZnO Nanowires. <i>ECS Transactions</i> , 2008, 16, 41-46.	0.3	8
88	S parameters for magnetostatic wave transducers on silicon microstructures. <i>Microelectronic Engineering</i> , 2000, 51-52, 479-483.	1.1	3
89	Microwave tunable straight edge resonator on silicon membrane. , 2000, , .		8
90	Microwave "DARK" Soliton Effect: Compression of Pulses and Signal to Noise Enhancement. , 1998, , .		1