

# Monica Enculescu

## List of Publications by Year in descending order

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148  
papers

2,105  
citations

279798

23  
h-index

377865

34  
g-index

149  
all docs

149  
docs citations

149  
times ranked

2861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Outcomes Can Vary by Dose: Learning-Based Sensorimotor Training for Patients Stable Poststroke. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 494-504.	2.9	78
2	Superhydrophobic properties of cotton fabrics functionalized with ZnO by electroless deposition. <i>Materials Chemistry and Physics</i> , 2013, 138, 253-261.	4.0	62
3	Spectroscopic characteristics of Dy <sup>3+</sup> doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> transparent ceramics. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	60
4	Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS. <i>Composites Part B: Engineering</i> , 2015, 75, 226-234.	12.0	60
5	Enhancing antimicrobial activity of TiO <sub>2</sub> /Ti by torularhodin bioinspired surface modification. <i>Bioelectrochemistry</i> , 2016, 107, 14-24.	4.6	55
6	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity. <i>Materials Research Bulletin</i> , 2018, 99, 174-181.	5.2	46
7	Photocatalytic activity of wool fabrics deposited at low temperature with ZnO or TiO <sub>2</sub> nanoparticles: Methylene blue degradation as a test reaction. <i>Catalysis Today</i> , 2018, 306, 251-259.	4.4	43
8	Production of <sup>82</sup> Se enriched Zinc Selenide (ZnSe) crystals for the study of neutrinoless double beta decay. <i>Journal of Crystal Growth</i> , 2017, 475, 158-170.	1.5	41
9	Effect of starting materials and sintering temperature on microstructure and optical properties of Y <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> + 5 at% transparent ceramics. <i>Journal of Advanced Ceramics</i> , 2021, 10, 49-61.	17.4	39
10	Caspase-8, association with Alzheimer's Disease and functional analysis of rare variants. <i>PLoS ONE</i> , 2017, 12, e0185777.	2.5	38
11	Substrate's target distance dependence of structural and optical properties in case of Pb(Zr,Ti)O <sub>3</sub> films obtained by pulsed laser deposition. <i>Applied Surface Science</i> , 2011, 257, 5938-5943.	6.1	36
12	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. <i>Biofabrication</i> , 2013, 5, 015007.	7.1	36
13	Superior biofunctionality of dental implant fixtures uniformly coated with durable bioglass films by magnetron sputtering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 51, 313-327.	3.1	36
14	Graphene Oxide Concentration Effect on the Optoelectronic Properties of ZnO/GO Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 1532.	4.1	33
15	Morphological and optical properties of doped potassium hydrogen phthalate crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 3722-3727.	2.7	32
16	Physical-chemical characterization and biological assessment of simple and lithium-doped biological-derived hydroxyapatite thin films for a new generation of metallic implants. <i>Applied Surface Science</i> , 2018, 439, 724-735.	6.1	32
17	Dense Ge nanocrystals embedded in TiO <sub>2</sub> with exponentially increased photoconduction by field effect. <i>Scientific Reports</i> , 2018, 8, 4898.	3.3	32
18	Growth and optical characteristics of coumarin 6 doped potassium hydrogen phthalate (KAP) crystals. <i>Optical Materials</i> , 2009, 32, 281-285.	3.6	31

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19	Unwitting distributed genetic programming via asynchronous JavaScript and XML. , 2007, , .		30
20	Effect of mixing complexing agents on the properties of electrodeposited CZTS thin films. Optical Materials, 2018, 83, 252-256.	3.6	28
21	Optical spectroscopy of Yb <sup>2+</sup> ions in YbF <sub>3</sub> -doped CaF <sub>2</sub> crystals. Journal of Crystal Growth, 2008, 310, 2026-2032.	1.5	26
22	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
23	Exciton-phonon interaction in PbI <sub>2</sub> revealed by Raman and photoluminescence studies using excitation light overlapping the fundamental absorption edge. Materials Research Bulletin, 2015, 70, 762-772.	5.2	25
24	Hydrogen Generation from Photocatalytic Silver   Zinc Oxide Nanowires: Towards Multifunctional Multisegmented Nanowire Devices. Small, 2011, 7, 2709-2713.	10.0	24
25	Significant enhancement of the critical current density for cubic BN addition into <i>ex situ</i> spark plasma sintered MgB <sub>2</sub> . Superconductor Science and Technology, 2014, 27, 095013.	3.5	23
26	Superhydrophobic ZnO networks with high water adhesion. Nanoscale Research Letters, 2014, 9, 385.	5.7	23
27	High magnetic field enhancement of the critical current density by Ge, GeO <sub>2</sub> and Ge <sub>2</sub> C <sub>6</sub> H <sub>10</sub> O <sub>7</sub> additions to MgB <sub>2</sub> . Scripta Materialia, 2014, 82, 61-64.	5.2	22
28	Polysaccharide-assisted crystallization of ZnO micro/nanostructures. Materials Letters, 2014, 115, 256-260.	2.6	21
29	Effect of thermal treatments on the structural and magnetic transitions in melt-spun Ni-Fe-Ga-(Co) ribbons. Journal of Alloys and Compounds, 2015, 650, 664-670.	5.5	21
30	Dwell Time Influence on Spark Plasma-Sintered MgB <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2018, 31, 317-325.	1.8	21
31	Prototype Orthopedic Bone Plates 3D Printed by Laser Melting Deposition. Materials, 2019, 12, 906.	2.9	21
32	Biomorphic 3D fibrous networks based on ZnO, CuO and ZnO@CuO composite nanostructures prepared from eggshell membranes. Materials Chemistry and Physics, 2020, 240, 122205.	4.0	21
33	Transport properties of electrodeposited ZnO nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2504-2507.	2.7	20
34	One Hundred Years since the Discovery of the "Umami" Taste from Seaweed Broth by Kikunae Ikeda, who Transcended his Time. Chemistry - an Asian Journal, 2011, 6, 1659-1663.	3.3	20
35	Enhancement of critical current density and irreversibility field by Te or TeO <sub>2</sub> addition to MgB <sub>2</sub> bulk processed by spark plasma sintering. Scripta Materialia, 2012, 66, 570-573.	5.2	20
36	Electrical properties of electrodeposited CdS nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2485-2488.	2.7	19

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37	Silicon structuring by etching with liquid chlorine and fluorine precursors using femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2011, 110, 034901.	2.5	19
38	Reticulated Mesoporous TiO <sub>2</sub> Scaffold, Fabricated by Spray Coating, for Large Area Perovskite Solar Cells. <i>Energy Technology</i> , 2020, 8, 1900922.	3.8	19
39	Te and SiC co-doped MgB <sub>2</sub> obtained by an ex situ spark plasma sintering technique. <i>Scripta Materialia</i> , 2013, 68, 428-431.	5.2	18
40	Physical properties of Al <sub>x</sub> In <sub>1-x</sub> N thin film alloys sputtered at low temperature. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	18
41	Zinc oxide electroless deposition on electrospun PMMA fiber mats. <i>Materials Letters</i> , 2015, 138, 238-242.	2.6	17
42	Optical properties of Sm <sup>3+</sup> doped Ca <sub>3</sub> (Nb,Ga) <sub>5</sub> O <sub>12</sub> and Ca <sub>3</sub> (Li,Nb,Ga) <sub>5</sub> O <sub>12</sub> single crystals. <i>Journal of Luminescence</i> , 2017, 186, 175-182.	3.1	17
43	Compressive properties of pristine and SiC-Te-added MgB <sub>2</sub> powders, green compacts and spark-plasma-sintered bulks. <i>Ceramics International</i> , 2018, 44, 10181-10191.	4.8	17
44	Effect of high gamma radiations on physical properties of In <sub>2</sub> S <sub>3</sub> thin films grown by chemical bath deposition for buffer layer applications. <i>Results in Physics</i> , 2019, 13, 102115.	4.1	17
45	Highly transparent Yb:Y <sub>2</sub> O <sub>3</sub> ceramics obtained by solid-state reaction and combined sintering procedures. <i>Ceramics International</i> , 2019, 45, 3217-3222.	4.8	17
46	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.	5.2	16
47	Intensity parameters of Tm <sup>3+</sup> doped Sc <sub>2</sub> O <sub>3</sub> transparent ceramic laser material. <i>Optical Materials</i> , 2011, 33, 501-505.	3.6	16
48	Influence of morphology on the emissive properties of dye-doped PVP nanofibers produced by electrospinning. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1365-1371.	4.0	16
49	Yellow laser potential of cubic Ca <sub>3</sub> (Nb,Ga) <sub>5</sub> O <sub>12</sub> :Dy <sup>3+</sup> and Ca <sub>3</sub> (Li,Nb,Ga) <sub>5</sub> O <sub>12</sub> :Dy <sup>3+</sup> single crystals. <i>Journal of Alloys and Compounds</i> , 2018, 739, 806-816.	5.5	16
50	SiO <sub>x</sub> -P <sub>2</sub> O <sub>5</sub> films promising components in photonic structure. <i>Optical and Quantum Electronics</i> , 2007, 39, 511-521.	3.3	15
51	MgB <sub>2</sub> with addition of Sb <sub>2</sub> O <sub>3</sub> obtained by spark plasma sintering technique. <i>Journal of Materials Science</i> , 2012, 47, 3828-3836.	3.7	15
52	Addition of Ho <sub>2</sub> O <sub>3</sub> of different types to MgB <sub>2</sub> in the ex-situ Spark Plasma Sintering: Simultaneous control of the critical current density at low and high magnetic fields. <i>Materials Chemistry and Physics</i> , 2014, 146, 313-323.	4.0	15
53	Fabrication of ZnO and TiO <sub>2</sub> Nanotubes via Flexible Electro-Spun Nanofibers for Photocatalytic Applications. <i>Nanomaterials</i> , 2021, 11, 1305.	4.1	15
54	Heavy ion induced damage in NaCl and KCl crystals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 229, 397-405.	1.4	14

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55	Effect of aqueous comonomer solubility on the surfactant-free emulsion copolymerization of methyl methacrylate. <i>Journal of Polymer Research</i> , 2011, 18, 25-30.	2.4	14
56	Antimicrobial activity of biopolymer-antibiotic thin films fabricated by advanced pulsed laser methods. <i>Applied Surface Science</i> , 2013, 278, 211-213.	6.1	14
57	Cytotoxicity, Antioxidant, Antibacterial, and Photocatalytic Activities of ZnO-CdS Powders. <i>Materials</i> , 2020, 13, 182.	2.9	14
58	Influence of geometrical properties on light emission of ZnO nanowires. <i>Optical Materials</i> , 2007, 30, 72-75.	3.6	13
59	ZnO morphological, structural and optical properties control by electrodeposition potential sweep rate. <i>Materials Chemistry and Physics</i> , 2012, 134, 988-993.	4.0	13
60	Direct sintering of SiC-W composites with enhanced thermal conductivity. <i>Fusion Engineering and Design</i> , 2013, 88, 2598-2602.	1.9	13
61	The influence of heating rate on superconducting characteristics of MgB <sub>2</sub> obtained by spark plasma sintering technique. <i>Physica C: Superconductivity and Its Applications</i> , 2015, 519, 184-189.	1.2	13
62	Electrical properties of templateless electrodeposited ZnO nanowires. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 364-372.	4.0	13
63	Hierarchical functionalization of electrospun fibers by electrodeposition of zinc oxide nanostructures. <i>Applied Surface Science</i> , 2018, 458, 555-563.	6.1	13
64	Deposition and properties of CdTe nanowires prepared by template replication. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1607-1611.	1.5	12
65	The genetics and neuropathology of neurodegenerative disorders: perspectives and implications for research and clinical practice. <i>Acta Neuropathologica</i> , 2012, 124, 297-303.	7.7	12
66	Cu-based composites as thermal barrier materials in DEMO divertor components. <i>Fusion Engineering and Design</i> , 2017, 124, 1131-1134.	1.9	12
67	Nanostructured palladium doped nickel electrodes for immobilization of oxidases through nickel nanoparticles. <i>Electrochimica Acta</i> , 2019, 315, 102-113.	5.2	12
68	Large scale microstructuring on silicon surface in air and liquid by femtosecond laser pulses. <i>Applied Surface Science</i> , 2012, 258, 9314-9317.	6.1	11
69	Thermophysical properties of Cu-ZrO <sub>2</sub> composites as potential thermal barrier materials for a DEMO W-monoblock divertor. <i>Fusion Engineering and Design</i> , 2018, 127, 179-184.	1.9	11
70	(Fe, Nd) codoped ZnO micro- and nanostructures with multifunctional characteristics like photocatalytic activity, optical and ferromagnetic properties. <i>Ceramics International</i> , 2018, 44, 21962-21975.	4.8	11
71	PCL-ZnO/TiO <sub>2</sub> /HAp Electrospun Composite Fibers with Applications in Tissue Engineering. <i>Polymers</i> , 2019, 11, 1793.	4.5	11
72	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.	1.8	11

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73	Antibacterial composite coatings of MgB <sub>2</sub> powders embedded in PVP matrix. Scientific Reports, 2021, 11, 9591.	3.3	11
74	Polymer Sphere Array Assisted ZnO Electroless Deposition. Soft Materials, 2013, 11, 457-464.	1.7	10
75	Spark plasma sintered MgB <sub>2</sub> co-added with c-BN and C 60. Materials Chemistry and Physics, 2016, 170, 201-209.	4.0	10
76	Effects of a surfactant on the morphology and photocatalytic properties of polycrystalline Fe-doped ZnO powders. Journal of Physics and Chemistry of Solids, 2018, 121, 319-328.	4.0	10
77	Thermophysical and mechanical properties of W-Cu laminates produced by FAST joining. Fusion Engineering and Design, 2019, 146, 2371-2374.	1.9	10
78	Novel Ecogenic Plasmonic Biohybrids as Multifunctional Bioactive Coatings. Coatings, 2020, 10, 659.	2.6	10
79	MgB <sub>2</sub> powders and bioevaluation of their interaction with planktonic microbes, biofilms, and tumor cells. Journal of Materials Research and Technology, 2021, 12, 2168-2184.	5.8	10
80	Synthesis and characterization of bead-like particles based on chitosan and vinyl polymers. Journal of Polymer Research, 2012, 19, 1.	2.4	9
81	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. Applied Surface Science, 2015, 336, 234-239.	6.1	9
82	CdS quantum dots sensitized TiO <sub>2</sub> nanotubes by matrix assisted pulsed laser evaporation method. Ceramics International, 2016, 42, 9011-9017.	4.8	9
83	High temperature thermo-physical properties of SPS-ed W-Cu functional gradient materials. Materials Research Express, 2018, 5, 026502.	1.6	9
84	The Physico-Chemical Properties and Exploratory Real-Time Cell Analysis of Hydroxyapatite Nanopowders Substituted with Ce, Mg, Sr, and Zn (0.5-5 at.%). Materials, 2021, 14, 3808.	2.9	9
85	Preparation and Properties of Transition Metal Doped ZnO Nanowires. ECS Transactions, 2008, 16, 41-46.	0.5	8
86	Sm <sup>3+</sup> -doped Sc <sub>2</sub> O <sub>3</sub> polycrystalline ceramics: Spectroscopic investigation. Journal of Alloys and Compounds, 2012, 535, 78-82.	5.5	8
87	B <sub>4</sub> C in ex-situ spark plasma sintered MgB <sub>2</sub> . Current Applied Physics, 2015, 15, 1262-1270.	2.4	8
88	Tellurium addition as a solution to improve compactness of ex-situ processed MgB <sub>2</sub> -SiC superconducting tapes. Superconductor Science and Technology, 2016, 29, 065012.	3.5	8
89	Spectroscopic investigations of Pr <sup>3+</sup> ions doped CNGG and CLNGG single crystals. Journal of Alloys and Compounds, 2019, 799, 288-301.	5.5	8
90	The inclusion of ceramic carbides dispersion in In and Yb filled CoSb <sub>3</sub> and their effect on the thermoelectric performance. Journal of Alloys and Compounds, 2022, 893, 162400.	5.5	8

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91	Bulk and surface characteristics of co-electrodeposited Cu <sub>2</sub> FeSnS <sub>4</sub> thin films sulfurized at different annealing temperatures. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164379.	5.5	8
92	Optical and electrical properties of arylenevinylene compounds thin films prepared by vacuum evaporation. <i>Synthetic Metals</i> , 2012, 161, 2612-2617.	3.9	7
93	Association between ultrasonographic parameters of Cesarean scar defect and outcome of early termination of pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 47, 506-510.	1.7	7
94	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.	1.8	7
95	Enhanced near-infrared response of a silicon solar cell by using an up-conversion phosphor film of Yb/Er co-doped CeO <sub>2</sub> . <i>Solar Energy</i> , 2018, 171, 40-46.	6.1	7
96	Synthesis of Core-Double Shell Nylon-ZnO/Polypyrrole Electrospun Nanofibers. <i>Nanomaterials</i> , 2020, 10, 2241.	4.1	7
97	Performant Composite Materials Based on Oxide Semiconductors and Metallic Nanoparticles Generated from Cloves and Mandarin Peel Extracts. <i>Nanomaterials</i> , 2020, 10, 2146.	4.1	7
98	Magneto-functionalities of La <sub>1-x</sub> A <sub>x</sub> MnO <sub>3</sub> (A = K; Ba) synthesized by flash combustion method. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155546.	5.5	7
99	Temperature-dependent refractive index of potassium acid phthalate (KAP) in the visible and near-infrared. <i>Optical Materials</i> , 2011, 33, 812-816.	3.6	6
100	Indium-tin nanoscaled oxides synthesized under hydrothermal supercritical and postannealing pathway: Phase dynamics and characterization. <i>Materials Chemistry and Physics</i> , 2014, 143, 1540-1549.	4.0	6
101	Ge-Added MgB <sub>2</sub> Superconductor Obtained by Ex Situ Spark Plasma Sintering. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 531-534.	1.8	6
102	1532-nm sensitized luminescence and up-conversion in Yb,Er:YAG transparent ceramics. <i>Optical Materials</i> , 2018, 77, 221-225.	3.6	6
103	Annealing-Induced High Ordering and Coercivity in Novel L10 CoPt-Based Nanocomposite Magnets. <i>Metals</i> , 2018, 8, 466.	2.3	6
104	Secondary phases and their influence on optical and electrical properties of electrodeposited Cu <sub>2</sub> FeSnS <sub>4</sub> films. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	6
105	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.	1.8	5
106	Silicon bump arrays by near-field enhanced femtosecond laser irradiation in fluorine liquid precursors. <i>Applied Surface Science</i> , 2013, 278, 301-304.	6.1	5
107	MgB <sub>2</sub> with Addition of Bi <sub>2</sub> O <sub>3</sub> Obtained by Spark Plasma Sintering Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1553-1556.	1.8	5
108	White-Light Emission of Dye-Doped Polymer Submicronic Fibers Produced by Electrospinning. <i>Polymers</i> , 2018, 10, 737.	4.5	5

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109	Physical properties investigation of samarium doped calcium sulfate thin films under high gamma irradiations for space photovoltaic and dosimetric applications. <i>Superlattices and Microstructures</i> , 2019, 126, 103-119.	3.1	5
110	Pulsed Laser Deposition Films Based on CdSe-Doped Zinc Aluminophosphate Glass. <i>Jom</i> , 2021, 73, 495-503.	1.9	5
111	Optical absorption of Ag <sup>+</sup> centres in KCl. <i>Physica B: Condensed Matter</i> , 2000, 275, 336-343.	2.7	4
112	Fractal patterns formed by thermal treatment in alkali halide crystals. <i>Physica B: Condensed Matter</i> , 2002, 324, 387-392.	2.7	4
113	Luminescence of dye-doped KAP and KDP nanorods. <i>Radiation Measurements</i> , 2010, 45, 602-604.	1.4	4
114	Synthesis of CdS nanostructures using template-assisted ammonia-free chemical bath deposition. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1082-1089.	4.0	4
115	Single bath electrodeposition of samarium oxide/zinc oxide nanostructured films with intense, broad luminescence. <i>Electrochimica Acta</i> , 2013, 95, 170-178.	5.2	4
116	Micropatterned ZnO rod arrays prepared by Au-catalyzed electroless deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 648-652.	2.4	4
117	Magneto-optical properties of Ce <sup>3+</sup> and Tb <sup>3+</sup> -doped silico-phosphate sol-gel thin films. <i>Applied Surface Science</i> , 2018, 448, 474-480.	6.1	4
118	A Comparative Study of Ge-Based Organometallic Additions to MgB <sub>2</sub> . <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.7	4
119	Effect of green body annealing on laser performance of YAG:Nd <sup>3+</sup> ceramics. <i>Ceramics International</i> , 2018, 44, 4487-4490.	4.8	4
120	Intrinsic Dielectric Loss in Zr <sub>0.8</sub> Sn <sub>0.2</sub> TiO <sub>4</sub> Ceramics Investigated by Terahertz Time Domain Spectroscopy. <i>Materials</i> , 2021, 14, 216.	2.9	4
121	Redox Mechanism of Azathioprine and Its Interaction with DNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6805.	4.1	4
122	Effect of chlorine and bromine on the perovskite crystal growth in mesoscopic heterojunction photovoltaic device. <i>Materials Science in Semiconductor Processing</i> , 2022, 143, 106558.	4.0	4
123	Charge transport mechanisms in free-standing devices with electrospun electrodes. <i>Nanotechnology</i> , 2022, 33, 395203.	2.6	4
124	Silver nanoclusters in potassium halides obtained from Ag <sup>+</sup> -ions by electron detachment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 191, 433-436.	1.4	3
125	A Model for Structures Growth by Sodium Electrodiffusion in Quartz Crystals. <i>Crystal Research and Technology</i> , 2002, 37, 868.	1.3	3
126	Luminescent Dye-Doped KAP Nanorods Obtained by Template Assisted Crystallization. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3943-3948.	0.9	3



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127	Periodic arrays of nanostructures in silicon and gallium arsenide by near-field enhanced laser irradiation in liquid precursors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 47-51.	4.7	3
128	Effect of polyhedral oligomeric silsesquioxane nanoreinforcement on the properties of epoxy resin/monoglycidylether-terminated poly(dimethylsiloxane) nanocomposites. <i>High Performance Polymers</i> , 2016, 28, 724-734.	1.8	3
129	Development of W-monoblock divertor components with embedded thermal barrier interfaces. <i>Fusion Engineering and Design</i> , 2019, 146, 1351-1354.	1.9	3
130	Influences of Dispersionsâ€™ Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMSâ€™Fe <sub>3</sub> O <sub>4</sub> Composites. <i>Materials</i> , 2021, 14, 3696.	2.9	3
131	Growth and characterization of 3.5 at.% Nd:LGSB bifunctional crystal. <i>Optical Materials</i> , 2022, 123, 111832.	3.6	3
132	Microwave and Terahertz Properties of Spark-Plasma-Sintered Zr <sub>0.8</sub> Sn <sub>0.2</sub> TiO <sub>4</sub> Ceramics. <i>Materials</i> , 2022, 15, 1258.	2.9	3
133	Polymer-assisted crystallization of low-dimensional lead sulfide particles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1826-1832.	2.7	2
134	Luminescent micro- and nanofibers based on novel europium phthalate complex. <i>Materials Chemistry and Physics</i> , 2012, 136, 51-58.	4.0	2
135	Control of the Critical Current Density Through Microstructural Design by Ho <sub>2</sub> O <sub>3</sub> and Te Co-addition into MgB <sub>2</sub> Processed by Ex Situ Spark Plasma Sintering. , 2020, , 303-324.		2
136	Cell Adhesion Response on Femtosecond Laser Initiated Liquid Assisted Silicon Surface. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 624-629.	2.1	2
137	Multifunctional GaFeO <sub>3</sub> Obtained via Mechanochemical Activation Followed by Calcination of Equimolar Nano-System Ga <sub>2</sub> O <sub>3</sub> â€™Fe <sub>2</sub> O <sub>3</sub> . <i>Nanomaterials</i> , 2021, 11, 57.	4.1	2
138	Monodispersed nanoplatelets of samarium oxides for biosensing applications in biological fluids. <i>Electrochimica Acta</i> , 2022, 402, 139532.	5.2	2
139	Metallic Nanowires and Nanotubes Prepared by Template Replication. <i>Springer Series in Materials Science</i> , 2014, , 137-165.	0.6	1
140	Interfacial mechanisms of novel laser-irradiated L10-based nanocomposite magnets. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	1
141	Physical Properties of Polycrystalline CuGeO <sub>3</sub> Prepared by Field-assisted Sintering Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 775-780.	1.8	1
142	From an Anomalous Peak Effect to a Second Magnetization Peak in Nb-rich Nb-Ti Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1103-1108.	1.8	1
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146	Fractal characteristics of metal clusters self-assembled in alkali halide matrices. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 727-731.	0.8	0
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148	Investigations Regarding the Addition of ZnO and Li <sub>2</sub> O-TiO <sub>2</sub> to Phosphate-Tellurite Glasses: Structural, Chemical, and Mechanical Properties. Materials, 2022, 15, 1644.	2.9	0