

# E Manikandan

## List of Publications by Year in descending order

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153  
papers

7,684  
citations

36203

51  
h-index

56606

83  
g-index

158  
all docs

158  
docs citations

158  
times ranked

7355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodegradation of organic pollutants RhB dye using UV simulated sunlight on ceria based TiO <sub>2</sub> nanomaterials for antibacterial applications. Scientific Reports, 2016, 6, 38064.	1.6	353
2	Green synthesis of ZnO nanoparticles via Agathosma betulina natural extract. Materials Letters, 2015, 161, 124-127.	1.3	298
3	Synthesis of ecofriendly copper oxide nanoparticles for fabrication over textile fabrics: Characterization of antibacterial activity and dye degradation potential. Journal of Photochemistry and Photobiology B: Biology, 2019, 191, 143-149.	1.7	252
4	Synthesis of silver nanoparticles (Ag NPs) for anticancer activities (MCF 7 breast and A549 lung cell) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5 Biology, 2017, 167, 282-289.	1.7	234
5	Rare earth element (REE) lanthanum doped zinc oxide (La: ZnO) nanomaterials: Synthesis structural optical and antibacterial studies. Journal of Alloys and Compounds, 2017, 723, 1155-1161.	2.8	229
6	Biogenesis of copper oxide nanoparticles (CuONPs) using Sida acuta and their incorporation over cotton fabrics to prevent the pathogenicity of Gram negative and Gram positive bacteria. Journal of Photochemistry and Photobiology B: Biology, 2018, 188, 126-134.	1.7	212
7	Investigation of structural and photoluminescence properties of gas and metal ions doped zinc oxide single crystals. Journal of Alloys and Compounds, 2014, 616, 614-617.	2.8	211
8	Single phase Bunsenite NiO nanoparticles green synthesis by Agathosma betulina natural extract. Journal of Alloys and Compounds, 2016, 657, 655-661.	2.8	206
9	Synthesis and characterization studies of NiO nanorods for enhancing solar cell efficiency using photon upconversion materials. Ceramics International, 2016, 42, 8385-8394.	2.3	195
10	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co <sup>2+</sup> ions) doped spinel MgFe <sub>2</sub> O <sub>4</sub> ferrite nanocomposites. Journal of Magnetism and Magnetic Materials, 2018, 452, 380-388.	1.0	180
11	One dimensional well-aligned CdO nanocrystal by solvothermal method. Journal of Alloys and Compounds, 2014, 593, 67-70.	2.8	157
12	Solution processing of CuSe quantum dots: Photocatalytic activity under RhB for UV and visible-light solar irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 210, 1-9.	1.7	151
13	Physical properties of CdO nanoparticles synthesized by green chemistry via Hibiscus Sabdariffa flower extract. Journal of Alloys and Compounds, 2016, 655, 314-320.	2.8	143
14	Physical & enhanced photocatalytic properties of green synthesized SnO <sub>2</sub> nanoparticles via Aspalathus linearis. Journal of Alloys and Compounds, 2016, 681, 561-570.	2.8	136
15	Epitaxial zinc oxide, graphene oxide composite thin-films by laser technique for micro-Raman and enhanced field emission study. Ceramics International, 2014, 40, 16065-16070.	2.3	134
16	Effective Ammonia Detection Using n-ZnO/p-NiO Heterostructured Nanofibers. IEEE Sensors Journal, 2016, 16, 2477-2483.	2.4	129
17	Sm <sub>2</sub> O <sub>3</sub> nanoparticles green synthesis via Callistemon viminalis' extract. Journal of Alloys and Compounds, 2015, 650, 357-362.	2.8	121
18	Single-phase $\text{Cr}_2\text{O}_3$ nanoparticles green synthesis using <i>Callistemon viminalis</i> red flower extract. Green Chemistry Letters and Reviews, 2016, 9, 85-90.	2.1	116

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19	Synthesis and enhanced field emission of zinc oxide incorporated carbon nanotubes. <i>Diamond and Related Materials</i> , 2017, 71, 79-84.	1.8	113
20	A comparative study on the morphological features of highly ordered MgO:AgO nanocube arrays prepared via a hydrothermal method. <i>RSC Advances</i> , 2015, 5, 82421-82428.	1.7	110
21	Enhancement of the isopropanol gas sensing performance of SnO <sub>2</sub> /ZnO core/shell nanocomposites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2662-2668.	2.7	109
22	The impact of anticancer activity upon Beta vulgaris extract mediated biosynthesized silver nanoparticles (ag-NPs) against human breast (MCF-7), lung (A549) and pharynx (Hep-2) cancer cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 99-107.	1.7	109
23	ZnO nano-discs by lyophilization process: Size effects on their intrinsic luminescence. <i>Journal of Alloys and Compounds</i> , 2016, 656, 758-763.	2.8	107
24	Nanoflower rod wire-like structures of dual metal (Al and Cr) doped ZnO thin films: Structural, optical and electronic properties. <i>Materials Letters</i> , 2014, 131, 225-228.	1.3	105
25	Photoluminescence of well-aligned ZnO doped CeO <sub>2</sub> nanoplatelets by a solvothermal route. <i>Materials Letters</i> , 2016, 183, 351-354.	1.3	103
26	Transition metal titanium (Ti) doped LaFeO <sub>3</sub> nanoparticles for enhanced optical structural and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2017, 712, 870-877.	2.8	96
27	Synthesis, characterization, and growth mechanism of $\lambda$ -Cr <sub>2</sub> O <sub>3</sub> monodispersed particles. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 714-718.	1.9	95
28	Studies on structural and optical properties of ZrO <sub>2</sub> nanopowder for opto-electronic applications. <i>Journal of Alloys and Compounds</i> , 2017, 694, 556-559.	2.8	91
29	Quantum confinement and photoluminescence of well-aligned CdO nanofibers by a solvothermal route. <i>Materials Letters</i> , 2014, 120, 243-245.	1.3	88
30	Enhanced visible photoluminescent and structural properties of ZnO/KIT-6 nanoporous materials for white light emitting diode (w-LED) application. <i>Journal of Alloys and Compounds</i> , 2015, 651, 479-482.	2.8	87
31	Hybrid nanostructured thin-films by PLD for enhanced field emission performance for radiation micro-nano dosimetry applications. <i>Journal of Alloys and Compounds</i> , 2015, 647, 141-145.	2.8	83
32	Synthesis and characterization studies of MgO:CuO nanocrystals by wet-chemical method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 405-409.	2.0	82
33	Synthesis and Properties of Tungsten Oxide and Reduced Graphene Oxide Nanocomposites. <i>Materials Express</i> , 2012, 2, 327-334.	0.2	80
34	SYNTHESIS OF Mg DOPED TiO <sub>2</sub> NANOCRYSTALS PREPARED BY WET-CHEMICAL METHOD: OPTICAL AND MICROSCOPIC STUDIES. <i>International Journal of Nanoscience</i> , 2013, 12, 1350033.	0.4	76
35	Well-Aligned Graphene Oxide Nanosheets Decorated with Zinc Oxide Nanocrystals for High Performance Photocatalytic Application. <i>International Journal of Nanoscience</i> , 2015, 14, 1550007.	0.4	76
36	Enhanced magnetic properties of polymer-magnetic nanostructures synthesized by ultrasonication. <i>Journal of Alloys and Compounds</i> , 2017, 720, 395-400.	2.8	76

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37	Investigation on the structural properties of CeO <sub>2</sub> nanofibers via CTAB surfactant. <i>Materials Letters</i> , 2015, 160, 61-63.	1.3	75
38	Size-controlled synthesis and gas sensing application of tungsten oxide nanostructures produced by arc discharge. <i>Nanotechnology</i> , 2011, 22, 335702.	1.3	73
39	Synthesis and analytical applications of photoluminescent carbon nanosheet by exfoliation of graphite oxide without purification. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 13080-13085.	1.1	72
40	Synthesis of CdS flower-like hierarchical microspheres as electrode material for electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2015, 648, 559-563.	2.8	69
41	Morphology and characterization of TiO <sub>2</sub> nanoparticles synthesized by arc discharge. <i>Chemical Physics Letters</i> , 2012, 521, 86-90.	1.2	66
42	Enhanced Opto-Magneto Properties of Ni <sub>x</sub> Mg <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> (0.0 ≤ x ≤ 1.0) Ferrites Nano-Catalysts. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017, 12, 1326-1333.	0.1	66
43	Rice Husks As A Sustainable Source Of High Quality Nanostructured Silica For High Performance Li-ion Battery Requitl By Sol-gel Method – A Review. <i>Advanced Materials Letters</i> , 2016, 7, 684-696.	0.3	65
44	Zinc Oxide Epitaxial Thin Film Deposited Over Carbon on Various Substrate by Pulsed Laser Deposition Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5602-5611.	0.9	62
45	Functional nanostructured oxides. <i>Vacuum</i> , 2015, 114, 172-187.	1.6	60
46	Synthesis of magnetic hydroxyapatite by hydrothermal–microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies. <i>Ceramics International</i> , 2015, 41, 13153-13163.	2.3	60
47	Antibacterial and Blue shift investigations in sol–gel synthesized Cr <sub>x</sub> Zn <sub>1-x</sub> O Nanostructures. <i>Journal of Luminescence</i> , 2014, 145, 944-950.	1.5	59
48	Structural, optical and morphological properties of post-growth calcined TiO <sub>2</sub> nanopowder for opto-electronic device application: Ex-situ studies. <i>Journal of Alloys and Compounds</i> , 2016, 671, 486-492.	2.8	58
49	Comparative Study of Structural, Morphological, Magneto-Optical and Photo-Catalytic Properties of Magnetically Reusable Spinel MnFe <sub>2</sub> O <sub>4</sub> Nano-Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3523-3531.	0.9	57
50	Facile synthesis and characterization of hydroxyapatite from fish bones: Photocatalytic degradation of industrial dyes (crystal violet and Congo red). <i>Progress in Organic Coatings</i> , 2020, 148, 105890.	1.9	57
51	Enhanced Polymer Induced Precipitation of Polymorphous in Calcium Carbonate: Calcite Aragonite Vaterite Phases. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 770-778.	1.9	56
52	Agarose encapsulated mesoporous carbonated hydroxyapatite nanocomposites powder for drug delivery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 220-231.	1.7	52
53	Self Assembly and Properties of C:WO <sub>3</sub> Nano-Platelets and C:VO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> Triangular Capsules Produced by Laser Solution Photolysis. <i>Nanoscale Research Letters</i> , 2010, 5, 389-397.	3.1	50
54	Magnetic behavior of biosynthesized Co <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 251-255.	1.0	50

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55	Solid-state synthesis of Ag-doped PANI nanocomposites for their end-use as an electrochemical sensor for hydrogen peroxide and dopamine. <i>Electrochimica Acta</i> , 2020, 363, 137158.	2.6	50
56	Novel polyvinyl alcohol polymer based nanostructure with ferrites co-doped with nickel and cobalt ions for magneto-sensor application. <i>Polymer International</i> , 2016, 65, 1482-1485.	1.6	48
57	Surface active gold nanoparticles biosynthesis by new approach for bionanocatalytic activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 119-125.	1.7	48
58	Enhanced Biosynthesis Synthesis of Copper Oxide Nanoparticles (CuO-NPs) for their Antifungal Activity Toxicity against Major Phyto-Pathogens of Apple Orchards. <i>Pharmaceutical Research</i> , 2020, 37, 246.	1.7	44
59	Nanocauliflower like structure of CdS thin film for solar cell photovoltaic applications: In situ tin doping by chemical bath deposition technique. <i>Journal of Alloys and Compounds</i> , 2014, 585, 555-560.	2.8	43
60	Magnetic, optical and structural studies on Ag doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2302-2308.	1.1	41
61	<i>In situ</i> optical emission study on the role of C2 in the synthesis of single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	35
62	Luminescent Eu <sub>2</sub> O <sub>3</sub> nanocrystals by <i>Aspalathus linearis</i> ™ extract: structural and optical properties. <i>Journal of Nanophotonics</i> , 2016, 10, 026010.	0.4	34
63	Controllable Synthesis of Single-Crystalline Fe <sub>3</sub> O <sub>4</sub> Nanorice by a One-Pot, Surfactant-Assisted Hydrothermal Method and Its Properties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5384-5389.	1.0	33
64	From Khoi-San indigenous knowledge to bioengineered CeO <sub>2</sub> nanocrystals to exceptional UV-blocking green nanocosmetics. <i>Scientific Reports</i> , 2022, 12, 3468.	1.6	33
65	Novel gamma irradiated agarose-gelatin-hydroxyapatite nanocomposite scaffolds for skin tissue regeneration. <i>Ceramics International</i> , 2016, 42, 11045-11054.	2.3	32
66	Determination and distribution of rare earth elements in beach rock samples using instrumental neutron activation analysis (INAA). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 251, 496-500.	0.6	31
67	Green synthesis of magnesium ion incorporated nanocrystalline hydroxyapatite and their mechanical, dielectric and photoluminescence properties. <i>Materials Research Bulletin</i> , 2015, 67, 55-62.	2.7	31
68	Enhanced structural, optical, electrochemical and magnetic behavior on manganese doped tin oxide nanoparticles via chemical precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7606-7617.	1.1	31
69	Femtosecond laser surface structuring and oxidation of chromium thin coatings: Black chromium. <i>Applied Surface Science</i> , 2014, 321, 560-565.	3.1	28
70	Enhanced photocatalytic performance of Hausmannite Mn <sub>3</sub> O <sub>4</sub> -rGO nanocomposite in degrading methylene blue. <i>Materials Letters</i> , 2021, 305, 130750.	1.3	28
71	Facile synthesis of mercaptosuccinic acid-capped CdTe/CdS/ZnS core/double shell quantum dots with improved cell viability on different cancer cells and normal cells. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	27
72	Surface enhanced Raman scattering (SERS) of silver ions embedded nanocomposite glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 203-207.	2.0	26

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73	Free standing diamond-like carbon thin films by PLD for laser based electrons/protons acceleration. Journal of Alloys and Compounds, 2015, 648, 326-331.	2.8	25
74	Remarkable thermal conductivity enhancement in Ag <sup>+</sup> decorated graphene nanocomposites based nanofluid by laser liquid solid interaction in ethylene glycol. Scientific Reports, 2020, 10, 10982.	1.6	25
75	Visible-Light Driven Photocatalytic Degradation of Eosin Yellow (EY) Dye Based on NiO-WO <sub>3</sub> Nanoparticles. Journal of Nanoscience and Nanotechnology, 2020, 20, 924-933.	0.9	24
76	Surface modification of nanocrystalline calcium phosphate bioceramic by low energy nitrogen ion implantation. Ceramics International, 2013, 39, 3027-3034.	2.3	23
77	Green synthesis of Si-incorporated hydroxyapatite using sodium metasilicate as silicon precursor and in vitro antibiotic release studies. Journal of Photochemistry and Photobiology B: Biology, 2017, 175, 163-172.	1.7	22
78	Enhanced mechanical strength and sustained drug release of gelatin/keratin scaffolds. Materials Letters, 2017, 186, 109-112.	1.3	21
79	Direct laser fabrication of five-band symmetric terahertz metamaterial with Fano resonance. Materials Letters, 2018, 229, 320-323.	1.3	21
80	MORPHOLOGICAL AND CRYSTALLOGRAPHIC PROPERTIES OF RARE EARTH OXIDES COATINGS DEPOSITED BY DOUBLE DUAL BEAM-PLD. Surface Review and Letters, 2014, 21, 1450001.	0.5	20
81	Cobalt Metal ion Doped Cerium Oxide (Co-CeO <sub>2</sub> ) Nanoparticles Effect Enhanced Photocatalytic Activity. MRS Advances, 2020, 5, 2503-2515.	0.5	20
82	Structural, Optical and Micro-Raman Scattering Studies of Nanosized Copper Ion (Cu <sup>+</sup> ) Exchanged Soda Lime Glasses. Plasmonics, 2014, 9, 637-643.	1.8	19
83	Chemical and structural analysis of gallstones from the Indian subcontinent. Materials Science and Engineering C, 2017, 78, 878-885.	3.8	19
84	Synthesis and characterization of optical, magnetic and electrochemical behavior of manganese-zinc co-doped tin oxide nanoparticles. Vacuum, 2020, 173, 109116.	1.6	19
85	Pathogenic Escherichia coli (E. coli) detection through tuned nanoparticles enhancement study. Biotechnology Letters, 2020, 42, 853-863.	1.1	19
86	Effect of Carbon Modification on the Electrical, Structural, and Optical Properties of TiO <sub>2</sub> and Their Performance in Lab-scale Dye-Sensitized Solar Cells. International Journal of Photoenergy, 2012, 2012, 1-9.	1.8	18
87	Performance of various cyanide degrading bacteria on the biodegradation of free cyanide in water. Journal of Hazardous Materials, 2019, 380, 120900.	6.5	18
88	Synthesis and characterization of pure and Cu doped CeO <sub>2</sub> nanoparticles: photocatalytic and antibacterial activities evaluation. Biointerface Research in Applied Chemistry, 2020, 10, 5306-5311.	1.0	18
89	Microstructural and optical properties of nanocrystalline undoped zirconia thin films prepared by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2013, 110, 427-432.	1.1	17
90	Enhanced violet photoemission of nanocrystalline fluorine doped zinc oxide (FZO) thin films. Optical Materials, 2015, 47, 88-94.	1.7	17

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91	Physicochemical analysis of urinary stones from Dharmapuri district. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 442-448.	2.0	17
92	Neurotransmitter Dopamine Enhanced Sensing Detection Using Fibre-Like Carbon Nanotubes by Chemical Vapor Deposition Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5380-5389.	0.9	17
93	Physicochemical characterization of the superhydrophilic, magnesium and silver ions co-incorporated nanocrystalline hydroxyapatite, synthesized by microwave processing. <i>Ceramics International</i> , 2014, 40, 13771-13779.	2.3	16
94	Solid-State Synthesis of POPD@AgNPs Nanocomposites for Electrochemical Sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3991-3999.	0.9	16
95	GAMMA- RAY SPECTROSCOPIC AND PIXE ANALYSIS OF BEACH ROCK SAMPLES OF SOUTH EAST COAST OF TAMILNADU, INDIA. <i>International Journal of PIXE</i> , 2007, 17, 193-203.	0.4	15
96	Large-scale synthesis of coiled-like shaped carbon nanotubes using bi-metal catalyst. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 105-113.	1.6	15
97	Novel multifunctional of magnesium ions (Mg <sup>++</sup> ) incorporated calcium phosphate nanostructures. <i>Journal of Alloys and Compounds</i> , 2018, 730, 31-35.	2.8	15
98	Chemical, Morphological, Structural, Optical, and Magnetic Properties of Transition Metal Titanium (Ti)-Doped LaFeO <sub>3</sub> Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1791-1797.	0.8	15
99	A Comprehensive Review of Recent Progress, Prospect and Challenges of Silicon Carbide and its Applications. <i>Silicon</i> , 2022, 14, 12887-12900.	1.8	15
100	A Single Layer UWB Frequency Selective Surface for Shielding Application. <i>Journal of Electronic Materials</i> , 2020, 49, 4794-4800.	1.0	14
101	A novel and rapid route to synthesize polyvinyl alcohol/calcium phosphate nanocomposite coatings by microwave assisted deposition. <i>Materials Letters</i> , 2014, 135, 191-194.	1.3	13
102	Structure Metallic Surface for Terahertz Plasmonics. <i>Plasmonics</i> , 2019, 14, 1311-1319.	1.8	13
103	2 MeV-PIXE TECHNIQUE FOR COASTAL MATERIAL ANALYSIS. <i>International Journal of PIXE</i> , 2011, 21, 75-86.	0.4	12
104	Biological resemblance of cadmium sulphide seaweeds coral honeycomb nanostructures by a chemical bath deposition technique. <i>Materials Letters</i> , 2014, 120, 295-298.	1.3	12
105	Quantum confinement of lead titanate nanocrystals by wet chemical method. <i>Journal of Alloys and Compounds</i> , 2015, 649, 50-53.	2.8	12
106	Enhanced magnetic behaviour and cell proliferation of gamma irradiated dual metal ions co-doped hydroxyapatite " poly(methyl methacrylate) composite films. <i>Reactive and Functional Polymers</i> , 2018, 123, 34-43.	2.0	12
107	Ion Beam Analysis of Proton-Induced X-ray Emission (PIXE) Techniques for Elemental Investigation of Young Stage Neem Leaf of Southern India, Tamil Nadu. <i>Biological Trace Element Research</i> , 2021, 199, 3540-3546.	1.9	12
108	A Rapid Fabrication of Novel Dual Band Terahertz Metamaterial by Femtosecond Laser Ablation. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 38-47.	1.2	11

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109	Noble Metal Ion Embedded Nanocomposite Glass Materials for Optical Functionality of UV-Visible Surface Plasmon Resonance (SPR) Surface-Enhanced Raman Scattering (SERS) X-ray and Electron Microscopic Studies: An Overview. <i>Plasmonics</i> , 2021, 16, 1461-1493.	1.8	11
110	A stretchable smart and highly efficient radio frequency antenna on low cost substrate. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1798-1803.	0.9	10
111	Effect of Nickel Doping on the Properties of Hydroxyapatite Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2482-2487.	0.9	10
112	Cobalt Nanoparticle As The Antibacterial Tool: In Vitro. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 8, 3684-3687.	0.2	10
113	Novel ultraviolet emitting low energy nitrogen ion implanted magnesium ion incorporated nanocrystalline calcium phosphate. <i>Materials Letters</i> , 2015, 153, 182-185.	1.3	8
114	Surface plasmon assisted toxic chemical NO <sub>2</sub> gas sensor by Au-ZnO functional thin films. <i>Journal of Sensors and Sensor Systems</i> , 2021, 10, 163-169.	0.6	8
115	Polymer-based calcium phosphate scaffolds for tissue engineering applications. , 2019, , 585-618.		7
116	Catalyst-Free Growth of MoS <sub>2</sub> Nanorods Synthesized by Dual Pulsed Laser-Assisted Chemical Vapor Deposition and Their Structural, Optical and Electrical Properties. <i>Journal of Electronic Materials</i> , 2020, 49, 1957-1968.	1.0	7
117	Influences of Ti <sup>4+</sup> ion on dielectric property in perovskite structure of La ferrite (LaFe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> ). <i>Journal of Alloys and Compounds</i> , 2020, 845, 155040.	2.8	7
118	Electronic structures associated with enhanced photocatalytic activity in nanogap-engineered g-C <sub>3</sub> N <sub>4</sub> /Ag@SiO <sub>2</sub> hybrid nanostructures. <i>Applied Surface Science</i> , 2020, 514, 145907.	3.1	7
119	Combustion synthesis of novel boron carbide. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	6
120	Impact of magnetic field on the mineralization of iron doped calcium phosphates. <i>Materials Chemistry and Physics</i> , 2018, 218, 166-171.	2.0	6
121	Enhanced anticorrosion properties of nitrogen ions modified polyvinyl alcohol/Mg-Ag ions co-incorporated calcium phosphate coatings. <i>Materials Chemistry and Physics</i> , 2021, 261, 124182.	2.0	6
122	Methylene blue intercalated layered MnO <sub>2</sub> nanosheets for high-sensitive non-enzymatic ascorbic acid sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8317-8329.	1.1	6
123	Nano Ag-doped ZnO particles magnetic, optical and structural studies. , 2013, , .		5
124	Improved, Photon Conversion Efficiency of (SnO <sub>2</sub> ) Doped Cesium Oxide (Cs) Nanofibers for Photocatalytic Application Under Solar Irradiation. <i>Springer Proceedings in Physics</i> , 2017, , 113-128.	0.1	5
125	Synthesis and Characterization of Novel Chitosan/Yttrium Oxide Nanorods and Their Electrochemical Sensing Performance Towards Cd (II) Ions. <i>Journal of Electronic Materials</i> , 2019, 48, 3261-3269.	1.0	5
126	Comparative methods for predicting cyanide pollution in artisanal small-scale gold mining catchment by using logistic regression and kriging with GIS. <i>African Journal of Science, Technology, Innovation and Development</i> , 2020, 12, 287-295.	0.8	5



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127	Ultrananocrystalline diamond-like carbon (UN- $\delta$ LC) assembled on epitaxial ZnO film by PLD technique and SIMS Raman Rutherford spectroscopic fingerprint investigation. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1838.	1.2	5
128	Design of polarisation-dependent multiband terahertz frequency-selective surface using two resonators. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	0.9	4
129	Microwave assisted synthesis and characterization of Fe <sup>3+</sup> -O-Fe <sup>3+</sup> sublattice magnetic moment influencing ferromagnetism exhibited erbium orthoferrite sublattice (ErFeO <sub>3</sub> ) perovskite nanopowders. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161825.	2.8	4
130	An ultrafast laser micromachined broadband terahertz frequency selective surface. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	3
131	Structural, Optical and Magnetic Properties of Zn <sub>1-x</sub> Co <sub>x</sub> O Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5525-5532.	0.9	3
132	Thermal valorisation extracts of selected agro-waste for human pathogen antibacterial NiO nanoparticles synthesis. <i>Materials Today: Proceedings</i> , 2021, 36, 559-565.	0.9	3
133	Polarisation-insensitive and broadband band-stop metamaterial filter for THz waves. <i>Pramana - Journal of Physics</i> , 2022, 96, 1.	0.6	3
134	Dynamic frequency analysis of stress-strain-dependent reversibly deformable broadband RF antenna over unevenly made elastomeric substrate. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	2
135	Structural, morphological, and magnetic properties of copper zinc cobalt ferrites systems nanocomposites. <i>Biointerface Research in Applied Chemistry</i> , 2020, 10, 6015-6019.	1.0	2
136	Exploring Structural, Morphological, and Magnetic Properties of Zinc Nickel Ferrites Systems Nanocomposites. <i>Biointerface Research in Applied Chemistry</i> , 2020, 11, 7785-7793.	1.0	2
137	Stratified Report Assisted Reputation Administration (SRA) system for MANETs. , 2016, , .		1
138	Low temperature synthesis of coiled carbon nanotubes and their magnetic properties. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
139	Recent Progress in Nanostructured Zinc Oxide Grown on Fabric for Wearable Thermoelectric Power Generator with UV Shielding. , 2018, , .		1
140	Numerical Studies on the Effect of Superconducting Thin Films on Radiation Performance of a Multiband Mid-Infrared Nano-Patch Antenna. <i>Journal of Electronic Materials</i> , 2018, 47, 6272-6281.	1.0	1
141	Micromachining of biocompatible polymer substrate for cancer cell separation applications. <i>Microsystem Technologies</i> , 2019, 25, 2187-2190.	1.2	1
142	Photocatalysis: Present, past and future. <i>Materials Research Foundations</i> , 2018, , 183-206.	0.2	1
143	Numerical analysis of substrate thickness and its etching effect on broadband/narrowband terahertz metamaterial. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	1
144	The Presented Study of Zn-Cu Ferrites for Their Application in "Photocatalytic Activities", 0, , .		1

#	ARTICLE	IF	CITATIONS
145	Design of parallel vector/scalar floating point co-processor for reconfigurable architecture. , 2012, , .		0
146	Transition metal doped metal oxide nanostructures synthesized by arc discharge method. , 2013, , .		0
147	Ambient infrared energy absorbing device using planar microstructure. , 2017, , .		0
148	Fabrication of silicon microstructure for cell separation using ultrashort laser ablation. Microsystem Technologies, 2019, 25, 2931-2936.	1.2	0
149	Multiband Fano Resonance in Symmetry Broken Planar Terahertz Metamaterial. , 2021, , .		0
150	Lipid Charecterization and Fatty Acid Profiles of Clarius batrachus and Its Defense Activity. British Journal of Pharmaceutical Research, 2015, 7, 353-364.	0.4	0
151	Spray Pyrolysis Growth of Cd <sub>0.92</sub> Mn <sub>0.04</sub> Fe <sub>0.04</sub> O Thin Films: Effect of Substrate Temperature on the Microstructural, Morphological and Optical Properties. Nanoscience and Nanotechnology Letters, 2020, 12, 345-350.	0.4	0
152	Nobel Ag <sup>+</sup> Cu ion-exchange bimetallic nanoclusters formation over gold ion (Au <sup>2+</sup> ) implanted materials RBS and optical study. Radiation Effects and Defects in Solids, 2021, 176, 955-966.	0.4	0
153	Optical and electrical properties of pure and doped tin oxide nanoparticles. Particulate Science and Technology, 0, , 1-9.	1.1	0