

Faheem Ahmed

List of Publications by Year in descending order

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165
papers

4,019
citations

101543

36
h-index

168389

53
g-index

166
all docs

166
docs citations

166
times ranked

4815
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of adsorption and electrosorption techniques for removal of organic and inorganic pollutants from wastewater using novel magnetite/porous graphene-based nanocomposites. Separation and Purification Technology, 2017, 188, 206-218.	7.9	141
2	Antibacterial and Cytotoxic Efficacy of Extracellular Silver Nanoparticles Biofabricated from Chromium Reducing Novel OS4 Strain of Stenotrophomonas maltophilia. PLoS ONE, 2013, 8, e59140.	2.5	140
3	Biogenic synthesis of Zinc oxide nanostructures from Nigella sativa seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. Scientific Reports, 2016, 6, 36761.	3.3	128
4	Doping effects of Co ²⁺ ions on structural and magnetic properties of ZnO nanoparticles. Microelectronic Engineering, 2012, 89, 129-132.	2.4	98
5	Enhanced relative cooling power of Ni ^{1-x} Zn ^x Fe ₂ O ₄ (0.0 ≤ x ≤ 0.7) ferrites. Acta Materialia, 2014, 71, 100-107.	2.4	91
6	Formation and characterization of ZnO nanopowder synthesized by sol-gel method. Journal of Alloys and Compounds, 2010, 496, 399-402.	5.5	90
7	Morphological evolution of ZnO nanostructures and their aspect ratio-induced enhancement in photocatalytic properties. RSC Advances, 2014, 4, 29249.	3.6	88
8	Sol-Gel-Assisted Microwave-Derived Synthesis of Anatase Ag/TiO ₂ /GO Nanohybrids toward Efficient Visible Light Phenol Degradation. Catalysts, 2017, 7, 133.	3.5	87
9	Morphological evolution between nanorods to nanosheets and room temperature ferromagnetism of Fe-doped ZnO nanostructures. CrystEngComm, 2012, 14, 4016.	2.6	86
10	Biosynthesized Silver Nanoparticle (AgNP) From Pandanus odorifer Leaf Extract Exhibits Anti-metastasis and Anti-biofilm Potentials. Frontiers in Microbiology, 2019, 10, 8.	3.5	83
11	Preparation and characterizations of polyaniline (PANI)/ZnO nanocomposites film using solution casting method. Thin Solid Films, 2011, 519, 8375-8378.	1.8	82
12	Development of composite ion-exchange adsorbent for pollutants removal from environmental wastes. Chemical Engineering Journal, 2010, 165, 405-412.	12.7	73
13	Synthesis and characterization of polyaniline/Zr(IV)sulphosalicylate composite and its applications (1) electrical conductivity, and (2) antimicrobial activity studies. Chemical Engineering Journal, 2011, 173, 706-714.	12.7	67
14	Construction of Lanthanum Vanadate/Functionalized Boron Nitride Nanocomposite: The Electrochemical Sensor for Monitoring of Furazolidone. ACS Sustainable Chemistry and Engineering, 2021, 9, 2784-2794.	6.7	61
15	Rational Confinement of Yttrium Vanadate within Three-Dimensional Graphene Aerogel: Electrochemical Analysis of Monoamine Neurotransmitter (Dopamine). ACS Applied Materials & Interfaces, 2021, 13, 10987-10995.	8.0	58
16	Study on structural, morphological and electrical properties of sputtered titanium nitride films under different argon gas flow. Materials Chemistry and Physics, 2012, 134, 839-844.	4.0	56
17	Fabrication and characterization of CuO nanoplates based sensor device for ethanol gas sensing application. Chemical Physics Letters, 2021, 763, 138204.	2.6	56
18	Novel synthesis of holey reduced graphene oxide (HRGO) by microwave irradiation method for anode in lithium-ion batteries. Scientific Reports, 2016, 6, 29854.	3.3	54

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19	RAPID AND COST EFFECTIVE SYNTHESIS OF ZnO NANORODS USING MICROWAVE IRRADIATION TECHNIQUE. <i>Functional Materials Letters</i> , 2011, 04, 1-5.	1.2	53
20	Synthesis of mesoporous SnO ₂ /NiO nanocomposite using modified sol-gel method and its electrochemical performance as electrode material for supercapacitors. <i>Scientific Reports</i> , 2020, 10, 11032.	3.3	50
21	Direct relationship between lattice volume, bandgap, morphology and magnetization of transition metals (Cr, Mn and Fe)-doped ZnO nanostructures. <i>Acta Materialia</i> , 2012, 60, 5190-5196.	7.9	49
22	Two dimensional (2D) reduced graphene oxide (RGO)/hexagonal boron nitride (h-BN) based nanocomposites as anodes for high temperature rechargeable lithium-ion batteries. <i>Scientific Reports</i> , 2020, 10, 1882.	3.3	49
23	Structural distortion effect on the magnetization and magnetocaloric effect in Pr modified La _{0.65} Sr _{0.35} MnO ₃ manganite. <i>Journal of Alloys and Compounds</i> , 2014, 617, 893-898.	5.5	48
24	Cubic shaped hematite (α-Fe ₂ O ₃) micro-structures composed of stacked nanosheets for rapid ethanol sensor application. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128851.	7.8	48
25	Mn-doped ZnO nanorod gas sensor for oxygen detection. <i>Current Applied Physics</i> , 2013, 13, S64-S68.	2.4	47
26	Low Temperature Synthesis of Superparamagnetic Iron Oxide (Fe ₃ O ₄) Nanoparticles and Their ROS Mediated Inhibition of Biofilm Formed by Food-Associated Bacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 2567.	3.5	47
27	Influence of Sm doping on structural, ferroelectric, electrical, optical and magnetic properties of BaTiO ₃ . <i>Vacuum</i> , 2021, 184, 109872.	3.5	47
28	Above room temperature magnetic transition and magnetocaloric effect in La _{0.66} Sr _{0.34} MnO ₃ . <i>Journal of the Korean Physical Society</i> , 2012, 60, 1587-1592.	0.7	46
29	Microwave assisted synthesis of gold nanoparticles and their antibacterial activity against Escherichia coli (E. coli). <i>Current Applied Physics</i> , 2011, 11, S360-S363.	2.4	44
30	Microwave-assisted synthesis of SnO ₂ nanorods for oxygen gas sensing at room temperature. <i>International Journal of Nanomedicine</i> , 2013, 8, 3875.	6.7	44
31	Engineering the optical properties of Cu doped CeO ₂ NCs for application in white LED. <i>Ceramics International</i> , 2020, 46, 7482-7488.	4.8	44
32	Growth and characterization of ZnO nanorods by microwave-assisted route: green chemistry approach. <i>Advanced Materials Letters</i> , 2011, 2, 183-187.	0.6	43
33	Cd-doped ZnO nanorices for enhanced and selective formaldehyde gas sensing applications. <i>Environmental Research</i> , 2021, 200, 111377.	7.5	42
34	Designed Synthesis of Nanostructured Magnetic Hydroxyapatite Based Drug Nanocarrier for Anti-Cancer Drug Delivery toward the Treatment of Human Epidermoid Carcinoma. <i>Nanomaterials</i> , 2017, 7, 138.	4.1	40
35	Room temperature ferromagnetism in Ni doped In ₂ O ₃ nanoparticles. <i>Thin Solid Films</i> , 2011, 519, 8243-8246.	1.8	39
36	Biofabrication of Zinc Oxide Nanoparticle from <i>Ochradenus baccatus</i> Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and <i>In Vivo</i> Toxicity and Stress Studies. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-14.	2.7	38

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37	Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. <i>Journal of Hazardous Materials</i> , 2021, 410, 124542.	12.4	38
38	Structural and optical study of samarium doped cerium oxide thin films prepared by electron beam evaporation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4525-4529.	5.5	36
39	Tailored construction of one-dimensional TiO ₂ /Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples. <i>Food Chemistry</i> , 2022, 380, 132052.	8.2	36
40	Enhanced Electrochemical performance at high temperature of Cobalt Oxide/Reduced Graphene Oxide Nanocomposites and its application in lithium-ion batteries. <i>Scientific Reports</i> , 2019, 9, 44.	3.3	35
41	Integrating graphene oxide with magnesium oxide nanoparticles for electrochemical detection of nitrobenzene. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106310.	6.7	35
42	Plate-like Na _{0.5} Bi _{0.5} TiO ₃ particles synthesized by topochemical microcrystal conversion method. <i>Journal of the European Ceramic Society</i> , 2015, 35, 919-925.	5.7	34
43	Novel synthesis of ZnO nanoparticles and their enhanced anticancer activity: Role of ZnO as a drug carrier. <i>Ceramics International</i> , 2016, 42, 4462-4469.	4.8	34
44	Self-assembled Cube-like Copper Oxide Derived from a Metal-Organic Framework as a High-Performance Electrochemical Supercapacitive Electrode Material. <i>Scientific Reports</i> , 2019, 9, 9140.	3.3	34
45	Hybrid capacitive deionization of NaCl and toxic heavy metal ions using faradic electrodes of silver nanospheres decorated pomegranate peel-derived activated carbon. <i>Environmental Research</i> , 2021, 197, 111110.	7.5	34
46	Defect induced room temperature ferromagnetism in well-aligned ZnO nanorods grown on Si (100) substrate. <i>Thin Solid Films</i> , 2011, 519, 8199-8202.	1.8	32
47	Thickness effect on properties of titanium film deposited by d.c. magnetron sputtering and electron beam evaporation techniques. <i>Bulletin of Materials Science</i> , 2013, 36, 807-812.	1.7	32
48	Impact of Co ₃ O ₄ phase on the magnetocaloric effect and magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ /Co ₃ O ₄ and La _{0.7} Ca _{0.3} MnO ₃ /Co ₃ O ₄ ceramic composites. <i>Ceramics International</i> , 2015, 41, 631-637.	4.8	32
49	Tailoring the structural, electronic structure and optical properties of Fe: SnO ₂ nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 240, 146934.	1.7	32
50	Study of nanocrystalline ceria thin films deposited by e-beam technique. <i>Current Applied Physics</i> , 2011, 11, S301-S304.	2.4	30
51	Electrochemical Behavior of Three-Dimensional Cobalt Manganate with Flowerlike Structures for Effective Roxarsone Sensing. <i>Inorganic Chemistry</i> , 2021, 60, 17986-17996.	4.0	29
52	Structural, magnetic and electronic structure studies of Mn doped TiO ₂ thin films. <i>Applied Surface Science</i> , 2011, 257, 10557-10561.	6.1	28
53	Signature of room temperature ferromagnetism in Mn doped CeO ₂ nanoparticles. <i>Materials Research Bulletin</i> , 2012, 47, 2980-2983.	5.2	28
54	Hydrothermal synthesis and indication of room temperature ferromagnetism in CeO ₂ nanowires. <i>Materials Letters</i> , 2011, 65, 3098-3101.	2.6	27

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55	Study of magnetic entropy change in La _{0.65} Sr _{0.35} Cu _{0.1} Mn _{0.9} O ₃ complex perovskite. Journal of Electroceramics, 2013, 30, 46-50.	2.0	26
56	Influence of nitrogen gas flow rate on the structural, morphological and electrical properties of sputtered TiN films. Journal of Materials Science: Materials in Electronics, 2013, 24, 1194-1202.	2.2	26
57	Study of A-Site Disorder Dependent Structural, Magnetic, and Magnetocaloric Properties in La _{0.7-x} Sm _x Ca _{0.3} MnO ₃ Manganites. Japanese Journal of Applied Physics, 2013, 52, 10MC12.	1.5	26
58	Novel route for the preparation of cobalt oxide nanoparticles/reduced graphene oxide nanocomposites and their antibacterial activities. Ceramics International, 2016, 42, 3407-3410.	4.8	25
59	Green Synthesis of Silver Nanoparticles and Their Reduced Graphene Oxide Nanocomposites as Antibacterial Agents: A Bio-inspired Approach. Acta Metallurgica Sinica (English Letters), 2017, 30, 45-52.	2.9	25
60	Fabrication of Co-doped ZnO nanorods for spintronic devices. Metals and Materials International, 2013, 19, 845-850.	3.4	24
61	A stable TiO ₂ –graphene nanocomposite anode with high rate capability for lithium-ion batteries. RSC Advances, 2020, 10, 29975-29982.	3.6	24
62	Binder-Free Electrode Based on ZnO Nanorods Directly Grown on Aluminum Substrate for High Performance Supercapacitors. Nanomaterials, 2020, 10, 1979.	4.1	24
63	Effect of nitrogen flow rate on the properties of TiN film deposited by e beam evaporation technique. Applied Surface Science, 2012, 258, 8498-8505.	6.1	23
64	Green Synthesis of Zinc Oxide Nanoparticles Using <i>Alstonia Macrophylla</i> Leaf Extract and Their <i>In-Vitro</i> Anticancer Activity. Science of Advanced Materials, 2018, 10, 349-355.	0.7	22
65	Influence of Ce addition on the structural, magnetic, and magnetocaloric properties in La _{0.7} ~Ce Sr _{0.3} MnO ₃ (0~0.3) ceramic compound. Ceramics International, 2015, 41, 5821-5829.	4.8	21
66	Flower-Like ZnO Nanorods Synthesized by Microwave-Assisted One-Pot Method for Detecting Reducing Gases: Structural Properties and Sensing Reversibility. Frontiers in Chemistry, 2020, 8, 456.	3.6	21
67	Role of Fe doping on surface morphology, electronic structure and magnetic properties of Fe doped CeO ₂ thin film. Ceramics International, 2021, 47, 4012-4019.	4.8	21
68	Microwave Assisted Hydrothermal Synthesis and Magnetocaloric Properties of La _{0.67} Sr _{0.33} MnO ₃ Manganite. Journal of Nanoscience and Nanotechnology, 2012, 12, 5523-5526.	0.9	20
69	Structural, magnetic and magnetocaloric properties of La _{0.65} Sr _{0.35} V _{0.1} Mn _{0.9} O ₃ perovskite. Materials Research Bulletin, 2012, 47, 2977-2979.	5.2	20
70	Comparative study of the Ag/PVP nanocomposites synthesized in water and in ethylene glycol. Current Applied Physics, 2011, 11, S346-S349.	2.4	19
71	Effect of Ni substitution on structural, morphological and magnetic properties of Zn _{1-x} Ni _x O nanorods. Current Applied Physics, 2012, 12, S174-S177.	2.4	19
72	Quantum-confinement induced enhancement in photocatalytic properties of iron oxide nanoparticles prepared by Ionic liquid. Ceramics International, 2014, 40, 15743-15751.	4.8	19

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73	Influence of Zn on magnetocaloric effect in (0.95)La _{0.7} Sr _{0.3} MnO ₃ /Ni ¹⁺ xZnxFe ₂ O ₄ ceramic composites. Materials Research Bulletin, 2015, 69, 41-45.	5.2	19
74	Investigations of TM (Ni, Co) doping on structural, optical and magnetic properties of CeO ₂ nanoparticles. Vacuum, 2020, 181, 109717.	3.5	19
75	Targeted delivery of thermoresponsive polymeric nanoparticle-encapsulated lycopene: <i>in vitro</i> anticancer activity and chemopreventive effect on murine skin inflammation and tumorigenesis. RSC Advances, 2020, 10, 16637-16649.	3.6	19
76	An Experimental and Theoretical Study on the Effect of Silver Nanoparticles Concentration on the Structural, Morphological, Optical, and Electronic Properties of TiO ₂ Nanocrystals. Crystals, 2021, 11, 1488.	2.2	19
77	Development of Selenium Nanoparticle Based Agriculture Sensor for Heavy Metal Toxicity Detection. Agriculture (Switzerland), 2020, 10, 610.	3.1	18
78	Rapid synthesis of high surface area anatase Titanium Oxide quantum dots. Ceramics International, 2014, 40, 12675-12680.	4.8	17
79	Facile synthesis of single-crystalline rutile TiO ₂ nano-rods by solution method. Transactions of Nonferrous Metals Society of China, 2014, 24, s152-s156.	4.2	16
80	Photocatalytic inactivation of <i>Escherichia coli</i> under UV light irradiation using large surface area anatase TiO ₂ quantum dots. Royal Society Open Science, 2019, 6, 191444.	2.4	16
81	Monitoring Food Spoilage Based on a Defect-Induced Multiwall Carbon Nanotube Sensor at Room Temperature: Preventing Food Waste. ACS Omega, 2020, 5, 30531-30537.	3.5	16
82	Nanobiotechnology: Scope and Potential for Crop Improvement. , 2013, , 245-269.		15
83	Continuous Phenol Removal Using a Liquid-Solid Circulating Fluidized Bed. Energies, 2020, 13, 3839.	3.1	15
84	Evaluation of Fe-Mg Binary Oxide for As (III) Adsorption-Synthesis, Characterization and Kinetic Modelling. Nanomaterials, 2021, 11, 805.	4.1	15
85	One Step Synthesis of Rutile TiO ₂ Nanoparticles at Low Temperature. Journal of Nanoscience and Nanotechnology, 2012, 12, 1555-1558.	0.9	13
86	Effect of sintering temperature on structure, magnetic and magnetocaloric properties of La _{0.6} Ca _{0.4} MnO ₃ manganite. Transactions of Nonferrous Metals Society of China, 2014, 24, s141-s145.	4.2	13
87	Growth temperature dependent properties of ZnO nanorod arrays on glass substrate prepared by wet chemical method. Ceramics International, 2014, 40, 5467-5471.	4.8	13
88	Growth of Defect-Induced Carbon Nanotubes for Low-Temperature Fruit Monitoring Sensor. Chemosensors, 2021, 9, 131.	3.6	13
89	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. Journal of Nanomaterials, 2018, 2018, 1-17.	2.7	12
90	Large Magnetic Entropy Change in La _{0.55} Ce _{0.2} Ca _{0.25} MnO ₃ Perovskite. Journal of Magnetism, 2011, 16, 457-460.	0.4	12

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91	Compressive Strength Estimation of Fly Ash/Slag Based Green Concrete by Deploying Artificial Intelligence Models. <i>Materials</i> , 2022, 15, 3722.	2.9	12
92	Facile growth of ZnO nanorod arrays by a microwave-assisted solution method for oxygen gas sensing. <i>Thin Solid Films</i> , 2013, 547, 168-172.	1.8	11
93	Novel Biomimatic Synthesis of ZnO Nanorods Using Egg White (Albumen) and Their Antibacterial Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5959-5965.	0.9	11
94	Synthesis of Magnetically Recoverable Ru/Fe ₃ O ₄ Nanocomposite for Efficient Photocatalytic Degradation of Methylene Blue. <i>Journal of Cluster Science</i> , 2022, 33, 853-865.	3.3	11
95	Structural and Magnetic Properties of Zn _{1-x} Co _x O Nanorods Prepared by Microwave Irradiation Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1386-1389.	0.9	10
96	Effects of Nitrogen Content on the Phase and Resistivity of TaN Thin Films Deposited by Electron Beam Evaporation. <i>Jom</i> , 2014, 66, 1893-1899.	1.9	10
97	Enhancement of Optical Activity and Properties of Barium Titanium Oxides to Be Active in Sunlight through Using Hollandite Phase Instead of Perovskite Phase. <i>Crystals</i> , 2021, 11, 550.	2.2	10
98	Amperometric determination of ecotoxic N-methyl-p-aminophenol sulfate in photographic solution and river water samples based on graphene oxide/CeNbO ₄ nanocomposite catalyst. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112373.	6.0	10
99	NOVEL AND COST-EFFECTIVE SYNTHESIS OF SILVER NANOCRYSTALS: A GREEN SYNTHESIS. <i>Nano</i> , 2011, 06, 295-300.	1.0	9
100	Room-temperature ferromagnetism in Cu-doped ZnO nanorods prepared using a microwave irradiation method. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1644-1648.	0.7	9
101	The interplay of Ca and Sr in the bulk magnetocaloric La _{0.7} Sr _(0.3-x) Ca _x MnO ₃ (x = 0, 0.1 and 0.3) manganite. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1974-1978.	0.7	9
102	Indication of room temperature ferromagnetism in highly transparent and conductive Ga-doped SnO ₂ thin films. <i>Thin Solid Films</i> , 2013, 547, 137-140.	1.8	9
103	Effect of transition Metal (Co, Ni and Cu) doping on lattice volume, band gap, morphology and saturation magnetization of ZnO nanostructures. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1479-1484.	0.7	9
104	Fabrication of TiO ₂ -Nanotube-Array-Based Supercapacitors. <i>Micromachines</i> , 2019, 10, 742.	2.9	9
105	Salinity Stress Mitigation Using Encapsulated Biofertilizers for Sustainable Agriculture. <i>Sustainability</i> , 2020, 12, 9218.	3.2	9
106	Application of Optimised Nanocarbon Materials and Biofertilisers as a Potent Superfertiliser: Towards Sustainable Agriculture Production. <i>Science of Advanced Materials</i> , 2021, 13, 812-819.	0.7	9
107	Studies on Synthesis and Characterization of Fe ₃ O ₄ @SiO ₂ @Ru Hybrid Magnetic Composites for Reusable Photocatalytic Application. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	9
108	Effect of Na ₂ SiO ₃ concentration on the properties of AZ31 magnesium alloy prepared by electrolytic plasma processing. <i>Electronic Materials Letters</i> , 2013, 9, 813-815.	2.2	8

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109	Biosynthesis of CeO ₂ Nanoparticles Using Egg White and Their Antibacterial and Antibiofilm Properties on Clinical Isolates. <i>Crystals</i> , 2021, 11, 584.	2.2	8
110	One-Step Multi-Doping Process for Producing Effective Zinc Oxide Nanofibers to Remove Industrial Pollutants Using Sunlight. <i>Crystals</i> , 2021, 11, 1268.	2.2	8
111	STRUCTURAL AND MAGNETIC STUDY OF Co-DOPED ZnO NANOPARTICLES SYNTHESIZED BY AUTO COMBUSTION METHOD. <i>International Journal of Nanoscience</i> , 2011, 10, 1025-1028.	0.7	7
112	Effect of substrate temperature on the properties of electron beam deposited tantalum films. <i>Thin Solid Films</i> , 2013, 546, 22-25.	1.8	7
113	Dimensionality Dependent Magnetic and Magnetocaloric Response of La ^{0.6} Ca ^{0.4} MnO ₃ ; Manganite. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8745-8749.	0.9	7
114	New generation graphene oxide for removal of polycyclic aromatic hydrocarbons. , 2019, , 241-266.		7
115	Influence of Magnesium Aluminate Nanoparticles on Epoxy-Based Intumescent Flame Retardation Coating System. <i>Coatings</i> , 2020, 10, 968.	2.6	7
116	Microwave Mediated Fast Synthesis of Silver Nanoparticles and Investigation of Their Antibacterial Activities for Gram-Positive and Gram-Negative Microorganisms. <i>Crystals</i> , 2021, 11, 666.	2.2	7
117	±-MnO ₂ Nanowires as Potential Scaffolds for a High-Performance Formaldehyde Gas Sensor Device. <i>Coatings</i> , 2021, 11, 860.	2.6	7
118	Biosynthesis of ZnO Nanostructures Using <i>Azadirachta indica</i> Leaf Extract and Their Effect on Seed Germination and Seedling Growth of Tomato: An Eco-Friendly Approach. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020, 15, 1412-1422.	0.5	7
119	Synergistic Effect of Hexagonal Boron Nitride-Coated Separators and Multi-Walled Carbon Nanotube Anodes for Thermally Stable Lithium-Ion Batteries. <i>Crystals</i> , 2022, 12, 125.	2.2	7
120	Role of Cr Doping on the Structure, Electronic Structure, and Electrochemical Properties of BiFeO ₃ Nanoparticles. <i>Materials</i> , 2022, 15, 4118.	2.9	7
121	Effect of the nitrogen inducing agents on the corrosion behavior of AlON-Al ₂ O ₃ coatings prepared by electrolytic plasma processing on an Al6061 alloy. <i>Metals and Materials International</i> , 2013, 19, 77-80.	3.4	6
122	Low temperature growth of ZnO nanotubes for fluorescence quenching detection of DNA. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 189.	3.6	6
123	Novel Synthesis of Holey Reduced Graphene Oxide/Polystyrene (HRGO/PS) Nanocomposites by Microwave Irradiation as Anodes for High-Temperature Lithium-Ion Batteries. <i>Materials</i> , 2019, 12, 2248.	2.9	6
124	Structural and Magnetic Properties Study of Fe ₂ O ₃ /NiO/Ni ₂ FeO ₄ Nanocomposites. <i>Crystals</i> , 2021, 11, 613.	2.2	6
125	Structural, Optical, Electrical and Antibacterial Properties of Fe-Doped CeO ₂ Nanoparticles. <i>Crystals</i> , 2021, 11, 1594.	2.2	6
126	Magnetic, Optical and Structural Property Studies of Mn-Doped ZnO Nanosheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5464-5468.	0.9	5

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127	Effect of solution concentration on the functional properties of ZnO nanostructures: Role of Hexamethylenetetramine. <i>Electronic Materials Letters</i> , 2013, 9, 261-265.	2.2	5
128	Power-dependent structural, morphological and electrical properties of electron beam evaporated tantalum films. <i>Electronic Materials Letters</i> , 2013, 9, 841-844.	2.2	5
129	Magnetocaloric response of La _{0.70} Ca _{0.1} Sr _{0.2} Fe _{0.1} Mn _{0.9} O ₃ perovskite for magnetic refrigeration. <i>Bulletin of Materials Science</i> , 2015, 38, 101-104.	1.7	5
130	Advanced Nanomaterials for Biological Applications. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-2.	2.7	5
131	One-Pot Synthesis of 7, 7-Dimethyl-4-Phenyl-2-Thioxo-2,3,4,6,7, 8-Hexahydro-1H-Quinazoline-5-Ones Using Zinc Ferrite Nanocatalyst and Its Bio Evaluation. <i>Catalysts</i> , 2021, 11, 431.	3.5	5
132	Photocatalytic Applications of Fe ²⁺ -Ag Co-Doped TiO ₂ Nanoparticles in Removal of Flumioxazin Pesticide Residues in Water. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	5
133	Reusable Nano-Zirconia-Catalyzed Synthesis of Benzimidazoles and Their Antibacterial and Antifungal Activities. <i>Molecules</i> , 2021, 26, 4219.	3.8	5
134	Hierarchical Porous Carbon Cobalt Nanocomposites-Based Sensor for Fructose. <i>Chemosensors</i> , 2021, 9, 6.	3.6	5
135	Influence of Fe and Cu Co-Doping on Structural, Magnetic and Electrochemical Properties of CeO ₂ Nanoparticles. <i>Materials</i> , 2022, 15, 4119.	2.9	5
136	Low-Temperature Ethanol Sensor via Defective Multiwalled Carbon Nanotubes. <i>Materials</i> , 2022, 15, 4439.	2.9	5
137	Improving functional properties of ZnO nanostructures by transition-metal doping: role of aspect ratio. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 1-7.	2.4	4
138	Role of Bi-excess on structural, electrical, optical, and magnetic properties BiFeO ₃ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23968-23982.	2.2	4
139	Pressure Dependent Synthesis and Enhanced Photocatalytic Activity of TiO ₂ Nano-Structures. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 778-781.	0.4	4
140	Study of Magnetic Transition and Magnetocaloric Effect in La _{1-x} Sr _x MnO ₃ (0.20 ≤ x ≤ 0.35) Compounds. <i>Applied Mechanics and Materials</i> , 0, 378, 225-229.	0.2	3
141	Facile Synthesis of ZnO Nanoparticles Using Mechanochemical Route and their Structural, Morphological and Thermal Properties. <i>Applied Mechanics and Materials</i> , 0, 378, 220-224.	0.2	3
142	Doping Dependent Properties of Cr-Doped ZnO Nanostructures Prepared by Microwave Irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8590-8595.	0.9	3
143	Effect of Concentration on the Growth of Rutile TiO ₂ Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8584-8589.	0.9	3
144	Magnetization and Magnetocaloric Effect in Sol-Gel Derived Nanocrystalline Copper-Zinc Ferrite. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1448-1451.	0.9	3

#	ARTICLE	IF	CITATIONS
145	Bio-Inspired Facile Synthesis of Graphene-Based Nanocomposites: Elucidation of Antimicrobial and Biofilm Inhibitory Potential against Foodborne Pathogenic Bacteria. <i>Coatings</i> , 2020, 10, 1171.	2.6	3
146	Trimetallic Oxides/GO Composites Optimized with Carbon Ions Radiations for Supercapacitive Electrodes. <i>Crystals</i> , 2022, 12, 874.	2.2	3
147	Structural, magnetic and electronic structure properties of pure and Ti doped Mg _{0.95} Mn _{0.05} Fe ₂ O ₄ nanocrystalline thin films. <i>Ceramics International</i> , 2013, 39, 1645-1650.	4.8	2
148	A family of luminescent metal-organic frameworks: synthesis, structure, and sensing studies. <i>Materials Advances</i> , 2021, 2, 2667-2675.	5.4	2
149	MnO ₂ Nanoparticles Anchored Multi Walled Carbon Nanotubes as Potential Anode Materials for Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5296-5301.	0.9	2
150	Application of Silica Nanoparticles in the Determination of Herbicides in Environmental Water Samples Using Liquid Chromatography-Mass Spectroscopy. <i>Current Nanoscience</i> , 2020, 16, 748-756.	1.2	2
151	Correlation of Structural, Morphological, Electrical and Mechanical Properties of TiN Thin Film at Different Substrate Bias. <i>Science of Advanced Materials</i> , 2017, 9, 199-205.	0.7	1
152	Tuning of the Blocking Temperature of Superparamagnetic $\hat{\pm}$ -Fe ₂ O ₃ Nanoparticles by Sb Doping. <i>Science of Advanced Materials</i> , 2018, 10, 124-129.	0.7	1
153	Metal oxide nanophotocatalysts for water purification. , 2017, , 57-72.		1
154	Ceramic Ti/TiO ₂ /AuNP Film with 1-D Nanostructures for Selfstanding Supercapacitor Electrodes. <i>Crystals</i> , 2022, 12, 791.	2.2	1
155	STUDY OF SPRAY DRIED DOPED ZINC OXIDE NANOPOWDER FOR VARISTOR APPLICATION. <i>International Journal of Nanoscience</i> , 2011, 10, 1029-1033.	0.7	0
156	EFFECT OF SUBSTRATE TEMPERATURE ON MICRO-STRUCTURAL PROPERTIES OF $\langle \text{Ti} \rangle$ AND $\langle \text{TiN} \rangle$ FILMS DEPOSITED BY E-BEAM EVAPORATION TECHNIQUE. <i>Surface Review and Letters</i> , 2012, 19, 1250037.	1.1	0
157	ZnO Nanorods on Polymer Substrate by Solution Method. <i>Applied Mechanics and Materials</i> , 0, 378, 198-201.	0.2	0
158	Morphological Studies of SnO ₂ Thin Films Fabricated by Using e-Beam Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 3446-3450.	0.9	0
159	Relationship Between Structural, Morphological, Optical and Magnetic Properties of Transition Metal (TM)-Doped ZnO Nanostructures Prepared by Microwave-Hydrothermal. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1460-1464.	0.9	0
160	Synthesis and Characterization of Nanocrystalline Doped-ZnO Powder for Advanced Varistor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8271-8274.	0.9	0
161	Cr doping assisted tuning of functional properties of ZnO nanorods prepared by fast solution route. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 179-185.	2.4	0
162	Meet The Section Editor. <i>Recent Patents on Mechanical Engineering</i> , 2021, 14, 263-263.	0.3	0

#	ARTICLE	IF	CITATIONS
163	Characteristics of the AlON-Al ₂ O ₃ Ceramic Coatings on the Al ₂ O ₃ Alloy by Electrolytic Plasma Processing. Korean Journal of Materials Research, 2012, 22, 155-158.	0.2	0
164	Effect of Reaction Time on the Morphology of ZnO Nanorods by Wet Chemical Method. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 50-53.	0.5	0
165	Magnetic Nanostructures Immobilized Microorganisms for the Development of Nano-Biofertilizers. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 1530-1537.	0.5	0