Faheem Ahmed

List of Publications by Year
in descending order

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	Synthesis of Magnetically Recoverable Ru/Fe3O4 Nanocomposite for Efficient Photocatalytic Degradation of Methylene Blue. Journal of Cluster Science, 2022, 33, 853-865.	3.3	11
2	Tailored construction of one-dimensional TiO2/Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples. Food Chemistry, 2022, 380, 132052.	8.2	36
3	Synergistic Effect of Hexagonal Boron Nitride-Coated Separators and Multi-Walled Carbon Nanotube Anodes for Thermally Stable Lithium-Ion Batteries. Crystals, 2022, 12, 125.	2.2	7
4	Studies on Synthesis and Characterization of Fe₃O₄@SiO₂@Ru Hybrid Magnetic Composites for Reusable Photocatalytic Application. Adsorption Science and Technology, 2022, 2022, .	3.2	9
5	Compressive Strength Estimation of Fly Ash/Slag Based Green Concrete by Deploying Artificial Intelligence Models. Materials, 2022, 15, 3722.	2.9	12
6	Ceramic Ti/TiO2/AuNP Film with 1-D Nanostructures for Selfstanding Supercapacitor Electrodes. Crystals, 2022, 12, 791.	2.2	1
7	Influence of Fe and Cu Co-Doping on Structural, Magnetic and Electrochemical Properties of CeO2 Nanoparticles. Materials, 2022, 15, 4119.	2.9	5
8	Trimetallic Oxides/GO Composites Optimized with Carbon Ions Radiations for Supercapacitive Electrodes. Crystals, 2022, 12, 874.	2.2	3
9	Role of Cr Doping on the Structure, Electronic Structure, and Electrochemical Properties of BiFeO3 Nanoparticles. Materials, 2022, 15, 4118.	2.9	7
10	Low-Temperature Ethanol Sensor via Defective Multiwalled Carbon Nanotubes. Materials, 2022, 15, 4439.	2.9	5
11	Role of Fe doping on surface morphology, electronic structure and magnetic properties of Fe doped CeO2 thin film. Ceramics International, 2021, 47, 4012-4019.	4.8	21
12	Cubic shaped hematite (Î±-Fe2O3) micro-structures composed of stacked nanosheets for rapid ethanol sensor application. Sensors and Actuators B: Chemical, 2021, 326, 128851.	7.8	48
13	Fabrication and characterization of CuO nanoplates based sensor device for ethanol gas sensing application. Chemical Physics Letters, 2021, 763, 138204.	2.6	56
14	Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. Journal of Hazardous Materials, 2021, 410, 124542.	12.4	38
15	Influence of Sm doping on structural, ferroelectric, electrical, optical and magnetic properties of BaTiO3. Vacuum, 2021, 184, 109872.	3.5	47
16	A family of luminescent metalâ€“organic frameworks: synthesis, structure, and sensing studies. Materials Advances, 2021, 2, 2667-2675.	5.4	2
17	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
18	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

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19	One-Pot Synthesis of 7, 7-Dimethyl-4-Phenyl-2-Thioxo-2,3,4,6,7, 8-Hexahydro-1H-Quinazoline-5-OnesUsing Zinc Ferrite Nanocatalyst and Its Bio Evaluation. Catalysts, 2021, 11, 431.	3.5	5
20	Evaluation of Fe-Mg Binary Oxide for As (III) Adsorptionâ€"Synthesis, Characterization and Kinetic Modelling. Nanomaterials, 2021, 11, 805.	4.1	15
21	Photocatalytic Applications of Feâ€"Ag Co-Doped TiO2 Nanoparticles in Removal of Flumioxazin Pesticide Residues in Water. Frontiers in Nanotechnology, 2021, 3, .	4.8	5
22	Biosynthesis of CeO2 Nanoparticles Using Egg White and Their Antibacterial and Antibiofilm Properties on Clinical Isolates. Crystals, 2021, 11, 584.	2.2	8
23	Enhancement of Optical Activity and Properties of Barium Titanium Oxides to Be Active in Sunlight through Using Hollandite Phase Instead of Perovskite Phase. Crystals, 2021, 11, 550.	2.2	10
24	Application of Optimised Nanocarbon Materials and Biofertilisers as a Potent Superfertiliser: Towards Sustainable Agriculture Production. Science of Advanced Materials, 2021, 13, 812-819.	0.7	9
25	Structural and Magnetic Properties Study of Fe2O3/NiO/Ni2FeO4 Nanocomposites. Crystals, 2021, 11, 613.	2.2	6
26	Hybrid capacitive deionization of NaCl and toxic heavy metal ions using faradic electrodes of silver nanospheres decorated pomegranate peel-derived activated carbon. Environmental Research, 2021, 197, 111110.	7.5	34
27	Microwave Mediated Fast Synthesis of Silver Nanoparticles and Investigation of Their Antibacterial Activities for Gram-Positive and Gram-Negative Microorganisms. Crystals, 2021, 11, 666.	2.2	7
28	Growth of Defect-Induced Carbon Nanotubes for Low-Temperature Fruit Monitoring Sensor. Chemosensors, 2021, 9, 131.	3.6	13
29	Î±-MnO2 Nanowires as Potential Scaffolds for a High-Performance Formaldehyde Gas Sensor Device. Coatings, 2021, 11, 860.	2.6	7
30	Reusable Nano-Zirconia-Catalyzed Synthesis of Benzimidazoles and Their Antibacterial and Antifungal Activities. Molecules, 2021, 26, 4219.	3.8	5
31	Meet The Section Editor. Recent Patents on Mechanical Engineering, 2021, 14, 263-263.	0.3	0
32	Amperometric determination of ecotoxic N-methyl-p-aminophenol sulfate in photographic solution and river water samples based on graphene oxide/CeNbO4 nanocomposite catalyst. Ecotoxicology and Environmental Safety, 2021, 220, 112373.	6.0	10
33	CdOâ€"ZnO nanorices for enhanced and selective formaldehyde gas sensing applications. Environmental Research, 2021, 200, 111377.	7.5	42
34	Role of Bi-excess on structural, electrical, optical, and magnetic properties BiFeO3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 23968-23982.	2.2	4
35	MnO2 Nanoparticles Anchored Multi Walled Carbon Nanotubes as Potential Anode Materials for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2021, 21, 5296-5301.	0.9	2
36	Integrating graphene oxide with magnesium oxide nanoparticles for electrochemical detection of nitrobenzene. Journal of Environmental Chemical Engineering, 2021, 9, 106310.	6.7	35

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37	Hierarchical Porous Carbon Cobalt Nanocomposites-Based Sensor for Fructose. Chemosensors, 2021, 9, 6.	3.6	5
38	One-Step Multi-Doping Process for Producing Effective Zinc Oxide Nanofibers to Remove Industrial Pollutants Using Sunlight. Crystals, 2021, 11, 1268.	2.2	8
39	Electrochemical Behavior of Three-Dimensional Cobalt Manganate with Flowerlike Structures for Effective Roxarsone Sensing. Inorganic Chemistry, 2021, 60, 17986-17996.	4.0	29
40	An Experimental and Theoretical Study on the Effect of Silver Nanoparticles Concentration on the Structural, Morphological, Optical, and Electronic Properties of TiO2 Nanocrystals. Crystals, 2021, 11, 1488.	2.2	19
41	Structural, Optical, Electrical and Antibacterial Properties of Fe-Doped CeO2 Nanoparticles. Crystals, 2021, 11, 1594.	2.2	6
42	Engineering the optical properties of Cu doped CeO2 NCs for application in white LED. Ceramics International, 2020, 46, 7482-7488.	4.8	44
43	Investigations of TM (Ni, Co) doping on structural, optical and magnetic properties of CeO2 nanoparticles. Vacuum, 2020, 181, 109717.	3.5	19
44	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
45	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
46	Continuous Phenol Removal Using a Liquidâ€“Solid Circulating Fluidized Bed. Energies, 2020, 13, 3839.	3.1	15
47	A stable TiO₂â€“graphene nanocomposite anode with high rate capability for lithium-ion batteries. RSC Advances, 2020, 10, 29975-29982.	3.6	24
48	Development of Selenium Nanoparticle Based Agriculture Sensor for Heavy Metal Toxicity Detection. Agriculture (Switzerland), 2020, 10, 610.	3.1	18
49	Bio-Inspired Facile Synthesis of Graphene-Based Nanocomposites: Elucidation of Antimicrobial and Biofilm Inhibitory Potential against Foodborne Pathogenic Bacteria. Coatings, 2020, 10, 1171.	2.6	3
50	Influence of Magnesium Aluminate Nanoparticles on Epoxy-Based Intumescent Flame Retardation Coating System. Coatings, 2020, 10, 968.	2.6	7
51	Salinity Stress Mitigation Using Encapsulated Biofertilizers for Sustainable Agriculture. Sustainability, 2020, 12, 9218.	3.2	9
52	Binder-Free Electrode Based on ZnO Nanorods Directly Grown on Aluminum Substrate for High Performance Supercapacitors. Nanomaterials, 2020, 10, 1979.	4.1	24
53	Targeted delivery of thermoresponsive polymeric nanoparticle-encapsulated lycopene:in vitroanticancer activity and chemopreventive effect on murine skin inflammation and tumorigenesis. RSC Advances, 2020, 10, 16637-16649.	3.6	19
54	Tailoring the structural, electronic structure and optical properties of Fe: SnO2 nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2020, 240, 146934.	1.7	32

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55	Synthesis of mesoporous SnO2/NiO nanocomposite using modified solâ€“gel method and its electrochemical performance as electrode material for supercapacitors. Scientific Reports, 2020, 10, 11032.	3.3	50
56	Two dimensional (2D) reduced graphene oxide (RGO)/hexagonal boron nitride (h-BN) based nanocomposites as anodes for high temperature rechargeable lithium-ion batteries. Scientific Reports, 2020, 10, 1882.	3.3	49
57	Magnetic Nanostructures Immobilized Microorganisms for the Development of Nano-Biofertilizers. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 1530-1537.	0.5	0
58	Application of Silica Nanoparticles in the Determination of Herbicides in Environmental Water Samples Using Liquid Chromatography-Mass Spectroscopy. Current Nanoscience, 2020, 16, 748-756.	1.2	2
59	Biosynthesis of ZnO Nanostructures Using Azadirachta indica Leaf Extract and Their Effect on Seed Germination and Seedling Growth of Tomato: An Eco-Friendly Approach. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 1412-1422.	0.5	7
60	New generation graphene oxide for removal of polycyclic aromatic hydrocarbons. , 2019, , 241-266.		7
61	Novel Synthesis of Holey Reduced Graphene Oxide/Polystyrene (HRGO/PS) Nanocomposites by Microwave Irradiation as Anodes for High-Temperature Lithium-Ion Batteries. Materials, 2019, 12, 2248.	2.9	6
62	Fabrication of TiO2-Nanotube-Array-Based Supercapacitors. Micromachines, 2019, 10, 742.	2.9	9
63	Self-assembled Cube-like Copper Oxide Derived from a Metal-Organic Framework as a High-Performance Electrochemical Supercapacitive Electrode Material. Scientific Reports, 2019, 9, 9140.	3.3	34
64	Photocatalytic inactivation ofEscherichia coliunder UV light irradiation using large surface area anatase TiO₂quantum dots. Royal Society Open Science, 2019, 6, 191444.	2.4	16
65	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
66	Enhanced Electrochemical performance at high temperature of Cobalt Oxide/Reduced Graphene Oxide Nanocomposites and its application in lithium-ion batteries. Scientific Reports, 2019, 9, 44.	3.3	35
67	Low Temperature Synthesis of Superparamagnetic Iron Oxide (Fe3O4) Nanoparticles and Their ROS Mediated Inhibition of Biofilm Formed by Food-Associated Bacteria. Frontiers in Microbiology, 2018, 9, 2567.	3.5	47
68	Advanced Nanomaterials for Biological Applications. Journal of Nanomaterials, 2018, 2018, 1-2.	2.7	5
69	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. Journal of Nanomaterials, 2018, 2018, 1-17.	2.7	12
70	Biofabrication of Zinc Oxide Nanoparticle fromOchradenus baccatusLeaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, andIn VivoToxicity and Stress Studies. Journal of Nanomaterials, 2018, 2018, 1-14.	2.7	38
71	Tuning of the Blocking Temperature of Superparamagnetic Î±-Fe2O3 Nanoparticles by Sb Doping. Science of Advanced Materials, 2018, 10, 124-129.	0.7	1
72	Green Synthesis of Zinc Oxide Nanoparticles Using Alstonia Macrophylla Leaf Extract and Their In-Vitro Anticancer Activity. Science of Advanced Materials, 2018, 10, 349-355.	0.7	22

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73	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
74	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
75	Designed Synthesis of Nanostructured Magnetic Hydroxyapatite Based Drug Nanocarrier for Anti-Cancer Drug Delivery toward the Treatment of Human Epidermoid Carcinoma. Nanomaterials, 2017, 7, 138.	4.1	40
76	Sol-Gel-Assisted Microwave-Derived Synthesis of Anatase Ag/TiO2/GO Nanohybrids toward Efficient Visible Light Phenol Degradation. Catalysts, 2017, 7, 133.	3.5	87
77	Correlation of Structural, Morphological, Electrical and Mechanical Properties of TiN Thin Film at Different Substrate Bias. Science of Advanced Materials, 2017, 9, 199-205.	0.7	1
78	Metal oxide nanophotocatalysts for water purification. , 2017, , 57-72.		1
79	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
80	Novel Biomimatic Synthesis of ZnO Nanorods Using Egg White (Albumen) and Their Antibacterial Studies. Journal of Nanoscience and Nanotechnology, 2016, 16, 5959-5965.	0.9	11
81	Low temperature growth of ZnO nanotubes for fluorescence quenching detection of DNA. Journal of Materials Science: Materials in Medicine, 2016, 27, 189.	3.6	6
82	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
83	Novel synthesis of ZnO nanoparticles and their enhanced anticancer activity: Role of ZnO as a drug carrier. Ceramics International, 2016, 42, 4462-4469.	4.8	34
84	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
85	Cr doping assisted tuning of functional properties of ZnO nanorods prepared by fast solution route. Journal of Sol-Gel Science and Technology, 2016, 77, 179-185.	2.4	0
86	Pressure Dependent Synthesis and Enhanced Photocatalytic Activity of TiO₂ Nano-Structures. Nanoscience and Nanotechnology Letters, 2016, 8, 778-781.	0.4	4
87	Influence of Zn on magnetocaloric effect in (0.95)La0.7Sr0.3MnO3/Ni1â^'xZnxFe2O4 ceramic composites. Materials Research Bulletin, 2015, 69, 41-45.	5.2	19
88	Influence of Ce addition on the structural, magnetic, and magnetocaloric properties in La0.7â^'Ce Sr0.3MnO3 (0â‰¤xâ‰¤0.3) ceramic compound. Ceramics International, 2015, 41, 5821-5829.	4.8	21
89	Magnetocaloric response of La0.70Ca0.1Sr0.2Fe0.1Mn0.9O3 pervoskite for magnetic refrigeration. Bulletin of Materials Science, 2015, 38, 101-104.	1.7	5
90	Magnetization and Magnetocaloric Effect in Solâ€“Gel Derived Nanocrystalline Copperâ€“Zinc Ferrite. Journal of Nanoscience and Nanotechnology, 2015, 15, 1448-1451.	0.9	3

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91	Relationship Between Structural, Morphological, Optical and Magnetic Properties of Transition Metal (TM)-Doped ZnO Nanostructures Prepared by Microwave-Hydrothermal. Journal of Nanoscience and Nanotechnology, 2015, 15, 1460-1464.	0.9	0
92	Synthesis and Characterization of Nanocrystalline Doped-ZnO Powder for Advanced Varistor Application. Journal of Nanoscience and Nanotechnology, 2015, 15, 8271-8274.	0.9	0
93	Plate-like Na0.5Bi0.5TiO3 particles synthesized by topochemical microcrystal conversion method. Journal of the European Ceramic Society, 2015, 35, 919-925.	5.7	34
94	Impact of Co3O4 phase on the magnetocaloric effect and magnetoresistance in La0.7Sr0.3MnO3/Co3O4 and La0.7Ca0.3MnO3/Co3O4 ceramic composites. Ceramics International, 2015, 41, 631-637.	4.8	32
95	Doping Dependent Properties of Cr-Doped ZnO Nanostructures Prepared by Microwave Irradiation. Journal of Nanoscience and Nanotechnology, 2014, 14, 8590-8595.	0.9	3
96	Enhanced relative cooling power of Ni1âˆ'Zn Fe2O4 (0.0 â©½xâ©½ 0.7) ferrites. Acta Materialia, 2014, 71, 100-107.	4.7	91
97	Morphological evolution of ZnO nanostructures and their aspect ratio-induced enhancement in photocatalytic properties. RSC Advances, 2014, 4, 29249.	3.6	88
98	Structural distortion effect on the magnetization and magnetocaloric effect in Pr modified La0.65Sr0.35MnO3 manganite. Journal of Alloys and Compounds, 2014, 617, 893-898.	5.5	48
99	Facile synthesis of single-crystalline rutile TiO2 nano-rods by solution method. Transactions of Nonferrous Metals Society of China, 2014, 24, s152-s156.	4.2	16
100	Effect of sintering temperature on structure, magnetic and magnetocaloric properties of La0.6Ca0.4MnO3 manganite. Transactions of Nonferrous Metals Society of China, 2014, 24, s141-s145.	4.2	13
101	Improving functional properties of ZnO nanostructures by transition-metal doping: role of aspect ratio. Journal of Sol-Gel Science and Technology, 2014, 72, 1-7.	2.4	4
102	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
103	Effects of Nitrogen Content on the Phase and Resistivity of TaN Thin Films Deposited by Electron Beam Evaporation. Jom, 2014, 66, 1893-1899.	1.9	10
104	Quantum-confinement induced enhancement in photocatalytic properties of iron oxide nanoparticles prepared by Ionic liquid. Ceramics International, 2014, 40, 15743-15751.	4.8	19
105	Rapid synthesis of high surface area anatase Titanium Oxide quantum dots. Ceramics International, 2014, 40, 12675-12680.	4.8	17
106	Effect of Concentration on the Growth of Rutile TiO₂ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2014, 14, 8584-8589.	0.9	3
107	Dimensionality Dependent Magnetic and Magnetocaloric Response of La_{0.6}Ca_{0.4}MnO₃ Manganite. Journal of Nanoscience and Nanotechnology, 2014, 14, 8745-8749.	0.9	7
108	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

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109	Effect of solution concentration on the functional properties of ZnO nanostructures: Role of Hexamethylenetetramine. Electronic Materials Letters, 2013, 9, 261-265.	2.2	5
110	Study of magnetic entropy change in La0.65Sr0.35Cu0.1Mn0.9O3 complex perovskite. Journal of Electroceramics, 2013, 30, 46-50.	2.0	26
111	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
112	The interplay of Ca and Sr in the bulk magnetocaloric La0.7Sr(0.3â^'x)Ca x MnO3 (x = 0, 0.1 and 0.3) manganite. Journal of the Korean Physical Society, 2013, 62, 1974-1978.	0.7	9
113	Study of A-Site Disorder Dependent Structural, Magnetic, and Magnetocaloric Properties in La_{0.7-x}Sm_xCa_{0.3}MnO₃ Manganites. Japanese Journal of Applied Physics, 2013, 52, 10MC12.	1.5	26
114	Effect of substrate temperature on the properties of electron beam deposited tantalum films. Thin Solid Films, 2013, 546, 22-25.	1.8	7
115	Indication of room temperature ferromagnetism in highly transparent and conductive Ga-doped SnO2 thin films. Thin Solid Films, 2013, 547, 137-140.	1.8	9
116	Facile growth of ZnO nanorod arrays by a microwave-assisted solution method for oxygen gas sensing. Thin Solid Films, 2013, 547, 168-172.	1.8	11
117	Effect of the nitrogen inducing agents on the corrosion behavior of AlON-Al2O3 coatings prepared by electrolytic plasma processing on an Al6061 alloy. Metals and Materials International, 2013, 19, 77-80.	3.4	6
118	Mn-doped ZnO nanorod gas sensor for oxygen detection. Current Applied Physics, 2013, 13, S64-S68.	2.4	47
119	Structural, magnetic and electronic structure properties of pure and Ti doped Mg0.95Mn0.05Fe2O4 nanocrystalline thin films. Ceramics International, 2013, 39, 1645-1650.	4.8	2
120	Nanobiotechnology: Scope and Potential for Crop Improvement. , 2013, , 245-269.		15
121	Effect of transition Metal (Co, Ni and Cu) doping on lattice volume, band gap, morphology and saturation magnetization of ZnO nanostructures. Journal of the Korean Physical Society, 2013, 62, 1479-1484.	0.7	9
122	Fabrication of Co-doped ZnO nanorods for spintronic devices. Metals and Materials International, 2013, 19, 845-850.	3.4	24
123	Effect of Na2SiO3 concentration on the properties of AZ31 magnesium alloy prepared by electrolytic plasma processing. Electronic Materials Letters, 2013, 9, 813-815.	2.2	8
124	Power-dependent structural, morphological and electrical properties of electron beam evaporated tantalum films. Electronic Materials Letters, 2013, 9, 841-844.	2.2	5
125	Thickness effect on properties of titanium film deposited by d.c. magnetron sputtering and electron beam evaporation techniques. Bulletin of Materials Science, 2013, 36, 807-812.	1.7	32
126	Microwave-assisted synthesis of SnO2 nanorods for oxygen gas sensing at room temperature. International Journal of Nanomedicine, 2013, 8, 3875.	6.7	44

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127	Morphological Studies of SnO2 Thin Films Fabricated by Using e-Beam Method. Journal of Nanoscience and Nanotechnology, 2013, 13, 3446-3450.	0.9	0
128	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
129	EFFECT OF SUBSTRATE TEMPERATURE ON MICRO-STRUCTURAL PROPERTIES OF Ti AND TiN FILMS DEPOSITED BY E-BEAM EVAPORATION TECHNIQUE. Surface Review and Letters, 2012, 19, 1250037.	1.1	0
130	Microwave Assisted Hydrothermal Synthesis and Magnetocaloric Properties of La_{0.67}Sr_{0.33}MnO₃ Manganite. Journal of Nanoscience and Nanotechnology, 2012, 12, 5523-5526.	0.9	20
131	Magnetic, Optical and Structural Property Studies of Mn-Doped ZnO Nanosheets. Journal of Nanoscience and Nanotechnology, 2012, 12, 5464-5468.	0.9	5
132	Effect of Ni substitution on structural, morphological and magnetic properties of Zn1-xNixO nanorods. Current Applied Physics, 2012, 12, S174-S177.	2.4	19
133	One Step Synthesis of Rutile TiO₂ Nanoparticles at Low Temperature. Journal of Nanoscience and Nanotechnology, 2012, 12, 1555-1558.	0.9	13
134	Direct relationship between lattice volume, bandgap, morphology and magnetization of transition metals (Cr, Mn and Fe)-doped ZnO nanostructures. Acta Materialia, 2012, 60, 5190-5196.	7.9	49
135	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
136	Room-temperature ferromagnetism in Cu-doped ZnO nanorods prepared using a microwave irradiation method. Journal of the Korean Physical Society, 2012, 60, 1644-1648.	0.7	9
137	Structural, magnetic and magnetocaloric properties of La0.65Sr0.35V0.1Mn0.9O3 perovskite. Materials Research Bulletin, 2012, 47, 2977-2979.	5.2	20
138	Signature of room temperature ferromagnetism in Mn doped CeO2 nanoparticles. Materials Research Bulletin, 2012, 47, 2980-2983.	5.2	28
139	Structural and Magnetic Properties of Zn_{1â^'x}Co_xO Nanorods Prepared by Microwave Irradiation Technique. Journal of Nanoscience and Nanotechnology, 2012, 12, 1386-1389.	0.9	10
140	Morphological evolution between nanorods to nanosheets and room temperature ferromagnetism of Fe-doped ZnO nanostructures. CrystEngComm, 2012, 14, 4016.	2.6	86
141	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
142	Doping effects of Co2+ ions on structural and magnetic properties of ZnO nanoparticles. Microelectronic Engineering, 2012, 89, 129-132.	2.4	98
143	Above room temperature magnetic transition and magnetocaloric effect in La0.66Sr0.34MnO3. Journal of the Korean Physical Society, 2012, 60, 1587-1592.	0.7	46
144	Characteristics of the AlON-Al2O3Ceramic Coatings on the Al2021 Alloy by Electrolytic Plasma Processing. Korean Journal of Materials Research, 2012, 22, 155-158.	0.2	0

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145	Structural, magnetic and electronic structure studies of Mn doped TiO2 thin films. Applied Surface Science, 2011, 257, 10557-10561.	6.1	28
146	Structural and optical study of samarium doped cerium oxide thin films prepared by electron beam evaporation. Journal of Alloys and Compounds, 2011, 509, 4525-4529.	5.5	36
147	Defect induced room temperature ferromagnetism in well-aligned ZnO nanorods grown on Si (100) substrate. Thin Solid Films, 2011, 519, 8199-8202.	1.8	32
148	Preparation and characterizations of polyaniline (PANI)/ZnO nanocomposites film using solution casting method. Thin Solid Films, 2011, 519, 8375-8378.	1.8	82
149	Room temperature ferromagnetism in Ni doped In2O3 nanoparticles. Thin Solid Films, 2011, 519, 8243-8246.	1.8	39
150	Hydrothermal synthesis and indication of room temperature ferromagnetism in CeO2 nanowires. Materials Letters, 2011, 65, 3098-3101.	2.6	27
151	Synthesis and characterization of polyanilineZr(IV)sulphosalicylate composite and its applications (1) electrical conductivity, and (2) antimicrobial activity studies. Chemical Engineering Journal, 2011, 173, 706-714.	12.7	67
152	Comparative study of the Ag/PVP nanocomposites synthesized in water and in ethylene glycol. Current Applied Physics, 2011, 11, S346-S349.	2.4	19
153	Study of nanocrystalline ceria thin films deposited by e-beam technique. Current Applied Physics, 2011, 11, S301-S304.	2.4	30
154	Microwave assisted synthesis of gold nanoparticles and their antibacterial activity against Escherichia coli (E. coli). Current Applied Physics, 2011, 11, S360-S363.	2.4	44
155	RAPID AND COST EFFECTIVE SYNTHESIS OF ZnO NANORODS USING MICROWAVE IRRADIATION TECHNIQUE. Functional Materials Letters, 2011, 04, 1-5.	1.2	53
156	STUDY OF SPRAY DRIED DOPED ZINC OXIDE NANOPOWDER FOR VARISTOR APPLICATION. International Journal of Nanoscience, 2011, 10, 1029-1033.	0.7	0
157	NOVEL AND COST-EFFECTIVE SYNTHESIS OF SILVER NANOCRYSTALS: A GREEN SYNTHESIS. Nano, 2011, 06, 295-300.	1.0	9
158	STRUCTURAL AND MAGNETIC STUDY OF Co-DOPED ZnO NANOPARTICLES SYNTHESIZED BY AUTO COMBUSTION METHOD. International Journal of Nanoscience, 2011, 10, 1025-1028.	0.7	7
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