

# Shalendra Kumar

## List of Publications by Year in descending order

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264  
papers

5,968  
citations

76326

40  
h-index

114465

63  
g-index

265  
all docs

265  
docs citations

265  
times ranked

4569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Magnetically Recoverable Ru/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite for Efficient Photocatalytic Degradation of Methylene Blue. <i>Journal of Cluster Science</i> , 2022, 33, 853-865.	3.3	11
2	Defects engineering and enhancement in optical and structural properties of 2D-MoS <sub>2</sub> thin films by high energy ion beam irradiation. <i>Materials Chemistry and Physics</i> , 2022, 276, 125422.	4.0	13
3	Oxygen vacancies and defects induced room temperature ferromagnetic properties of pure and Fe-doped CeO <sub>2</sub> nanomaterials investigated using X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 254, 147140.	1.7	17
4	Influence of high energy (MeV) Au <sup>9+</sup> ion irradiation for modification of properties in scaffold-assisted electro synthesized PbSe nanowires. <i>Inorganic Chemistry Communication</i> , 2022, 135, 109093.	3.9	1
5	RIXS, XES and XAS studies for electronic structure of rare earth and alkaline earth modified manganite. <i>Physica B: Condensed Matter</i> , 2022, 628, 413562.	2.7	2
6	Tailored construction of one-dimensional TiO <sub>2</sub> /Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples. <i>Food Chemistry</i> , 2022, 380, 132052.	8.2	36
7	Investigation of structural and magnetic properties of La doped Co <sup>2+</sup> /Mn ferrite nanoparticles in the presence of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> phase. <i>Solid State Communications</i> , 2022, 342, 114629.	1.9	15
8	Lattice defects and oxygen vacancies formulated ferromagnetic, luminescence, structural properties and band-gap tuning in Nd <sup>3+</sup> substituted ZnO nanoparticles. <i>Journal of Luminescence</i> , 2022, 243, 118673.	3.1	39
9	Tuning the responsible parameters for gain characteristics of the novel type-II D-QW (InGaAs) heterostructure. <i>Materials Science in Semiconductor Processing</i> , 2022, 140, 106377.	4.0	10
10	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
11	Studies on Synthesis and Characterization of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @Ru Hybrid Magnetic Composites for Reusable Photocatalytic Application. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	9
12	Explore the charge transfer and d-d excitation in perovskite manganite using 2p3d resonant inelastic X-ray scattering. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164020.	5.5	0
13	Effect of Eu doping on the thermoluminescence of UV and gamma irradiated Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanophosphors. <i>Luminescence</i> , 2022, 37, 472-478.	2.9	7
14	Oxygen vacancy induced structural and domain size-controlled magnetic behavior of La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> perovskite. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6829-6841.	2.2	4
15	Electronic Structure, Photoluminescence and Thermoluminescence Studies of Cu-Doped Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> Nanophosphors. <i>Journal of Electronic Materials</i> , 2022, 51, 1922-1932.	2.2	1
16	Chemically inducing room temperature spin-crossover in double layered magnetic refrigerants Pr <sub>1.4</sub> Sr <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> (0.0 ≤ x ≤ 0.5). <i>Journal of Materials Science and Technology</i> , 2022, 124, 232-242.	10.7	11
17	Effect of Mn Concentration on the Structural, Ferroelectric, Optical, and Magnetic Properties of BiFeO <sub>3</sub> Nanoparticles. <i>Crystals</i> , 2022, 12, 704.	2.2	2
18	Enhanced Li <sup>+</sup> Ionic Conduction and Relaxation Properties of Li <sub>5+2x</sub> La <sub>3</sub> Ta <sub>2-x</sub> Ga <sub>x</sub> O <sub>12</sub> Garnets. <i>Crystals</i> , 2022, 12, 770.	2.2	1

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19	Ceramic Ti/TiO <sub>2</sub> /AuNP Film with 1-D Nanostructures for Selfstanding Supercapacitor Electrodes. Crystals, 2022, 12, 791.	2.2	1
20	Influence of Fe and Cu Co-Doping on Structural, Magnetic and Electrochemical Properties of CeO <sub>2</sub> Nanoparticles. Materials, 2022, 15, 4119.	2.9	5
21	Role of Cr Doping on the Structure, Electronic Structure, and Electrochemical Properties of BiFeO <sub>3</sub> Nanoparticles. Materials, 2022, 15, 4118.	2.9	7
22	Low-Temperature Ethanol Sensor via Defective Multiwalled Carbon Nanotubes. Materials, 2022, 15, 4439.	2.9	5
23	Exploration of spectroscopic, surface morphological, structural, electrical, optical and mechanical properties of biocompatible PVA-GO PNCs. Diamond and Related Materials, 2022, 127, 109158.	3.9	24
24	Experimental and Numerical Investigation of Fracture Parameters for Side Edge Notch Bend Specimen of Al 6063-T6. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2021, 45, 133-151.	1.3	1
25	Role of Fe doping on surface morphology, electronic structure and magnetic properties of Fe doped CeO <sub>2</sub> thin film. Ceramics International, 2021, 47, 4012-4019.	4.8	21
26	Selection criteria for spintronic materials: Role of spin dependent band-width narrowing/broadening. Journal of Physics and Chemistry of Solids, 2021, 149, 109786.	4.0	3
27	Capping agent-induced variation of physicochemical and biological properties of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Materials Chemistry and Physics, 2021, 258, 123899.	4.0	26
28	Band dispersion and optical gain calculations of staggered type GaAs <sub>0.4</sub> Sb <sub>0.6</sub> /In <sub>0.7</sub> Ga <sub>0.3</sub> As/GaAs <sub>0.4</sub> Sb <sub>0.6</sub> nano-heterostructure under electric field and [100] strain. Superlattices and Microstructures, 2021, 150, 106694.	3.1	6
29	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
30	Evidence of ZnCO <sub>3</sub> interstitial phase in carbon implanted ZnO(002) thin films and room temperature ferromagnetism. Vacuum, 2021, 184, 109897.	3.5	3
31	Influence of Sm doping on structural, ferroelectric, electrical, optical and magnetic properties of BaTiO <sub>3</sub> . Vacuum, 2021, 184, 109872.	3.5	47
32	Structural, optical properties and the origin of spin functionality in the Co modified TiO <sub>2</sub> nanoparticles. Vacuum, 2021, 183, 109870.	3.5	6
33	A comparative study on fracture parameters of friction stir welded AA5083 using NCORR. AIP Conference Proceedings, 2021, , .	0.4	0
34	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. Catalysts, 2021, 11, 431.	3.5	5
35	Transport and Dielectric Properties of Mechanosynthesized La <sub>2/3</sub> Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics. Crystals, 2021, 11, 313.	2.2	11
36	Photocatalytic Applications of Fe <sup>2+</sup> -Ag Co-Doped TiO <sub>2</sub> Nanoparticles in Removal of Flumioxazin Pesticide Residues in Water. Frontiers in Nanotechnology, 2021, 3, .	4.8	5

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37	Biosynthesis of CeO <sub>2</sub> Nanoparticles Using Egg White and Their Antibacterial and Antibiofilm Properties on Clinical Isolates. <i>Crystals</i> , 2021, 11, 584.	2.2	8
38	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
39	Growth of Defect-Induced Carbon Nanotubes for Low-Temperature Fruit Monitoring Sensor. <i>Chemosensors</i> , 2021, 9, 131.	3.6	13
40	Influence of samarium doping on structural, elastic, magnetic, dielectric, and electrical properties of nanocrystalline cobalt ferrite. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	31
41	Study of the electronic structure of Ce <sub>0.95</sub> Fe <sub>0.05</sub> O <sub>2-<math>\delta</math></sub> thin film using X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 250, 147073.	1.7	8
42	Electronic structure and energy gaps evaluation of perovskite manganite single crystals using XES and XAS spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 250, 147084.	1.7	4
43	Structural, diffuse reflectance and luminescence study of t-Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 617.	2.3	9
44	Fine tunability of optical gain characteristics of InGaAs/GaAsSb/InAlAs nano-heterostructure under combined effect of field and temperature. <i>Superlattices and Microstructures</i> , 2021, 156, 106982.	3.1	5
45	Annealing Temperature Dependence of Various Properties of ZnO Nanoparticles Investigated with Soft XAS. <i>Nano</i> , 2021, 16, .	1.0	5
46	Role of Bi-excess on structural, electrical, optical, and magnetic properties BiFeO <sub>3</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23968-23982.	2.2	4
47	High energy (MeV) ion beam induced modifications in Al <sub>2</sub> O <sub>3</sub> -ZnO multilayers thin films grown by ALD and enhancement in photoluminescence, optical and structural properties. <i>Vacuum</i> , 2021, 192, 110435.	3.5	9
48	Structural, magnetic and field-driven abrupt magnetocaloric properties of La <sub>1.4-x</sub> Sm <sub>x</sub> Ca <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> Ruddlesden-Popper manganites. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7050-7061.	5.7	13
49	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
50	Electronic structure and electrochemical properties of La-doped BiFeO <sub>3</sub> nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 253, 147138.	1.7	14
51	Structural, Optical, Electrical and Antibacterial Properties of Fe-Doped CeO <sub>2</sub> Nanoparticles. <i>Crystals</i> , 2021, 11, 1594.	2.2	6
52	Impact of annealing on the structural and optical properties of ZnO nanoparticles and tracing the formation of clusters via DFT calculation. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2207-2218.	4.9	48
53	Improvement in efficiency of yellow Light Emitting Diode using InGaN barriers and modified electron injection layer. <i>Optik</i> , 2020, 206, 163716.	2.9	13
54	Uniaxial ultra-high pressure dependent tuning of optical gain of W-shaped Type-II GaAsSb/InGaAs/InAlAs nano-heterostructure. <i>Optik</i> , 2020, 204, 164121.	2.9	5

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55	Role of Mn doping in tailoring the magnetic properties of nanocrystalline SnO <sub>2</sub> particles. <i>Materials Today: Proceedings</i> , 2020, 27, 227-230.	1.8	2
56	Engineering the optical properties of Cu doped CeO <sub>2</sub> NCs for application in white LED. <i>Ceramics International</i> , 2020, 46, 7482-7488.	4.8	44
57	Investigations of TM (Ni, Co) doping on structural, optical and magnetic properties of CeO <sub>2</sub> nanoparticles. <i>Vacuum</i> , 2020, 181, 109717.	3.5	19
58	Investigation of optical properties of PVA-GO nanocomposites. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
59	Understanding vibrant behavior of Si-circular diaphragm for low-pressure measurement. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050174.	2.0	2
60	Exploration of structural, morphological and magnetic properties of transition metal doped SnO <sub>2</sub> films grown using pulsed laser deposition. <i>Vacuum</i> , 2020, 182, 109725.	3.5	16
61	Monitoring Food Spoilage Based on a Defect-Induced Multiwall Carbon Nanotube Sensor at Room Temperature: Preventing Food Waste. <i>ACS Omega</i> , 2020, 5, 30531-30537.	3.5	16
62	Electronic structure and spontaneous magnetization in Mn-doped SnO <sub>2</sub> . <i>Journal of Applied Physics</i> , 2020, 128, 045705.	2.5	3
63	Spectroscopic studies, molecular structure optimization and investigation of structural and electrical properties of novel and biodegradable Chitosan-GO polymer nanocomposites. <i>Journal of Materials Science</i> , 2020, 55, 14829-14847.	3.7	67
64	Role of Fe (Transition Metal) in Tuning the Optical Behavior of SnO <sub>2</sub> Nanoparticles. , 2020, , .		0
65	Development of Selenium Nanoparticle Based Agriculture Sensor for Heavy Metal Toxicity Detection. <i>Agriculture (Switzerland)</i> , 2020, 10, 610.	3.1	18
66	Optical and electronic characteristics of ITO/NPB/Alq <sub>3</sub> :DCJTb/Alq <sub>3</sub> /Ag heterostructure based organic light emitting diode. <i>Optik</i> , 2020, 223, 165572.	2.9	20
67	Binder-Free Electrode Based on ZnO Nanorods Directly Grown on Aluminum Substrate for High Performance Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 1979.	4.1	24
68	Irreversible magnetic behavior with temperature variation of Ni <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166861.	2.3	38
69	Electrical and structural properties of La doped BiFeO <sub>3</sub> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	5
70	Structural and optical properties of Cu codoped Fe-CeO <sub>2</sub> nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
71	X-ray diffraction and UV-visible spectroscopy study of Fe-Cu co-doped CeO <sub>2</sub> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
72	Oxygen vacancies and F+ centre tailored room temperature ferromagnetic properties of CeO <sub>2</sub> nanoparticles with Pr doping concentrations and annealing in hydrogen environment. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156079.	5.5	48

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73	Interplay of structural, optical, and magnetic properties of $Ce_{1-x}Nd_xO_2$ nanoparticles with electronic structure probed using X-ray absorption spectroscopy. <i>Vacuum</i> , 2020, 180, 109537.	3.5	17
74	Defects and oxygen vacancies tailored structural, optical and electronic structure properties of Co-doped ZnO nanoparticle samples probed using soft X-ray absorption spectroscopy. <i>Vacuum</i> , 2020, 179, 109538.	3.5	28
75	Experimental and DFT investigation of electronic structure and ferromagnetic stable state in pristine and Mn: SnO <sub>2</sub> NPs. <i>Vacuum</i> , 2020, 179, 109536.	3.5	2
76	Influence of high energy ion irradiation on structural, morphological and optical properties of high-k dielectric hafnium oxide (HfO <sub>2</sub> ) thin films grown by atomic layer deposition. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154698.	5.5	24
77	A Novel Synthesis of the Graphene Oxide-Silver (GO-Ag) Nanocomposite for Unique Physiochemical Applications. <i>ACS Omega</i> , 2020, 5, 5041-5047.	3.5	96
78	Improved and tunable optical absorption characteristics of MQW GaAs/AlGaAs nano-scale heterostructure. <i>Optik</i> , 2020, 208, 164544.	2.9	5
79	Structural, optical, and surface morphological studies of ethyl cellulose/graphene oxide nanocomposites. <i>Polymer Composites</i> , 2020, 41, 2792-2802.	4.6	85
80	Effect of dopant on electronic structure of nanocrystalline CeO <sub>2</sub> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
81	Ferroelectric properties of Sm doped BaTiO <sub>3</sub> bulk ceramics. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
82	The synthesis, characterization and application of cobalt ferrite nanoparticles in lipstick. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3
83	Probing defects and electronic structure of Eu doped t-Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanocrystals using X-ray absorption near edge spectroscopy and luminescence techniques. <i>Vacuum</i> , 2020, 180, 109602.	3.5	8
84	Tailoring the structural, electronic structure and optical properties of Fe: SnO <sub>2</sub> nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 240, 146934.	1.7	32
85	Effect of defects and oxygen vacancies on the RTFM properties of pure and Gd-doped CeO <sub>2</sub> nanomaterials through soft XAS. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	22
86	High dose gamma radiation exposure upon Kapton-H polymer for modifications of optical, free volume, structural and chemical properties. <i>Optik</i> , 2020, 205, 164244.	2.9	6
87	Study of humidity sensing properties and ion beam induced modifications in SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. <i>Surface and Coatings Technology</i> , 2020, 392, 125768.	4.8	39
88	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155089.	5.5	43
89	Magnetic Nanostructures Immobilized Microorganisms for the Development of Nano-Biofertilizers. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020, 15, 1530-1537.	0.5	0
90	Analytical Study of Graphene as a Novel Piezoresistive Material for MEMS Pressure Sensor Application. <i>Journal of Nano- and Electronic Physics</i> , 2020, 12, 02001-1-02001-4.	0.5	0

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91	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. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 1412-1422.	0.5	7
92	Revisiting the physiochemical properties of Hematite ( $\text{Fe}_2\text{O}_3$ ) nanoparticle and exploring its bio-environmental application. Materials Research Express, 2019, 6, 095072.	1.6	16
93	Study the contribution of surface defects on the structural, electronic structural, magnetic, and photocatalyst properties of Fe: CeO <sub>2</sub> nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2019, 235, 29-39.	1.7	39
94	Performance enhancement of UV quantum well light emitting diode through structure optimization. Optical and Quantum Electronics, 2019, 51, 1.	3.3	25
95	Synthesis and characterization of GO coupled SrS material with a study of luminescence properties. AIP Conference Proceedings, 2019, , .	0.4	0
96	First principle study of electronic properties of Fe-doped SnO <sub>2</sub> nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	1
97	Role of Fe-Doping on Structural, Optical and Magnetic Properties of SnO <sub>2</sub> Nanoparticles. Journal of Electronic Materials, 2019, 48, 8181-8192.	2.2	17
98	Band gap engineering, electronic state and local atomic structure of Ni doped CeO <sub>2</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 4562-4571.	2.2	19
99	High energy (150 MeV) Fe <sup>11+</sup> ion beam induced modifications of physico-chemical and photoluminescence properties of high-k dielectric nanocrystalline zirconium oxide thin films. Ceramics International, 2019, 45, 18887-18898.	4.8	12
100	Combustion synthesis and thermoluminescence response of near ultra-violet irradiated Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanophosphors. AIP Conference Proceedings, 2019, , .	0.4	2
101	Structural and optical properties of Cu doped CeO <sub>2</sub> nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	0
102	Enhanced near-band edge emission in pulsed laser deposited ZnO/c-sapphire nanocrystalline thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	12
103	First-Principles Investigation of Electronic Properties of GaAs <sub>x</sub> Sb <sub>1-x</sub> Ternary Alloys. Semiconductors, 2019, 53, 1731-1739.	0.5	2
104	Effect of Fe Doping on Magnetic Behavior of SnO <sub>2</sub> Nanoparticles for Spintronics Applications. IOP Conference Series: Materials Science and Engineering, 2019, 594, 012004.	0.6	3
105	First-Principles Investigation of Electronic Properties of GaAs <sub>x</sub> Sb <sub>1-x</sub> Ternary Alloys. Semiconductors, 2019, 53, 1584-1592.	0.5	8
106	High pressure affects on optical characteristics of AlGaAs/GaAsP/AlGaAs nano-heterostructure. Optik, 2019, 181, 389-397.	2.9	19
107	Investigation of local atomic structure of Ni doped SnO <sub>2</sub> thin films via X-ray absorption spectroscopy and their magnetic properties. Journal of Materials Science: Materials in Electronics, 2019, 30, 760-770.	2.2	11
108	Electronic Structure and Room Temperature Ferromagnetism in Gd-doped Cerium Oxide Nanoparticles for Hydrogen Generation via Photocatalytic Water Splitting. Global Challenges, 2019, 3, 1800090.	3.6	62

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109	Investigation of local geometrical structure, electronic state and magnetic properties of PLD grown Ni doped SnO <sub>2</sub> thin films. Journal of Electron Spectroscopy and Related Phenomena, 2019, 232, 21-28.	1.7	22
110	Investigation of structural and optical properties of ZnO thin films of different thickness grown by pulsed laser deposition method. Physica B: Condensed Matter, 2019, 552, 221-226.	2.7	57
111	Effect of Temperature on Fracture Parameters of Aluminum Alloy Al 6061: A Numerical Study. Annales De Chimie: Science Des Materiaux, 2019, 43, 115-118.	0.4	0
112	Defects and oxygen vacancies tailored structural and optical properties in CeO <sub>2</sub> nanoparticles doped with Sm <sup>3+</sup> cation. Journal of Alloys and Compounds, 2018, 752, 520-531.	5.5	104
113	Superparamagnetic behavior of nanosized ZnFe <sub>2</sub> O <sub>4</sub> . Materials Today: Proceedings, 2018, 5, 9855-9859.	1.8	9
114	Electronic structure and dielectric properties of ZrO <sub>2</sub> -CeO <sub>2</sub> mixed oxides. Journal of Physics and Chemistry of Solids, 2018, 119, 242-250.	4.0	13
115	Tuning the surface morphology and local atomic structure of Mn-doped TiO <sub>2</sub> thin films using rapid thermal annealing. Journal of Materials Science: Materials in Electronics, 2018, 29, 5982-5992.	2.2	7
116	Modeling and simulation of GaN based QW LED for UV emission. Optik, 2018, 158, 1334-1341.	2.9	25
117	Effects of rapid thermal annealing on the local environment, electronic structure and magnetic properties of Mn doped TiO <sub>2</sub> thin films. Applied Surface Science, 2018, 445, 287-297.	6.1	17
118	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. Journal of Physics and Chemistry of Solids, 2018, 112, 29-36.	4.0	34
119	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites. Journal of Magnetism and Magnetic Materials, 2018, 449, 319-327.	2.3	130
120	Structural, magnetic and surface morphological study of Ni doped SnO <sub>2</sub> thin films. AIP Conference Proceedings, 2018, , .	0.4	3
121	Introduction to X-Ray Absorption Spectroscopy and Its Applications in Material Science. , 2018, , 497-548.		10
122	Structural and photoluminescence study of bulk SrZnO <sub>2</sub> . AIP Conference Proceedings, 2018, , .	0.4	4
123	Enhanced photoluminescence response of Ca <sup>2+</sup> /Ba <sup>2+</sup> substituted solid solutions of SrS:Ce phosphors. Materials Letters, 2018, 227, 169-171.	2.6	7
124	Structural, magnetic and electronic structural properties of Mn doped CeO <sub>2</sub> nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	1
125	Electronic structure and magnetic properties of Ni-doped SnO <sub>2</sub> thin films. AIP Conference Proceedings, 2018, , .	0.4	2
126	Photoluminescence emission and excitation spectroscopy of Bi doped SrS nanophosphors. AIP Conference Proceedings, 2018, , .	0.4	0



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127	Structural and magnetic properties of Fe doped CeO <sub>2</sub> thin films. AIP Conference Proceedings, 2018, , .	0.4	0
128	Ferroelectric and dielectric properties of Mn doped BiFeO <sub>3</sub> bulk ceramics. AIP Conference Proceedings, 2018, , .	0.4	4
129	Enhancement in the dielectric properties of Sm doped BaTiO <sub>3</sub> bulk ceramics. AIP Conference Proceedings, 2018, , .	0.4	3
130	Structural and Mössbauer analysis of pure and Ce-Dy doped cobalt ferrite nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	0
131	Non-enzymatic H <sub>2</sub> O <sub>2</sub> sensing and photodetection study using Au-TiO <sub>2</sub> nanocomposite. AIP Conference Proceedings, 2017, , .	0.4	2
132	Nanometric MgFe <sub>2</sub> O <sub>4</sub> : Synthesis, characterization and its application towards supercapacitor and electrochemical uric acid sensor. AIP Conference Proceedings, 2017, , .	0.4	2
133	Optimization of Type-II W <sup>TM</sup> shaped InGaAsP/GaAsSb nanoscale-heterostructure under electric field and temperature. Superlattices and Microstructures, 2017, 112, 507-516.	3.1	23
134	Photon Upconversion in 3D Dendritic Fe <sub>2</sub> O <sub>3</sub> . Materials Today: Proceedings, 2017, 4, 5620-5624.	1.8	1
135	Near-edge X-ray absorption fine structure spectroscopy and structural properties of Ni-doped CeO <sub>2</sub> nanoparticles. Radiation Effects and Defects in Solids, 2017, 172, 985-994.	1.2	9
136	Defects/vacancies engineering and ferromagnetic behavior in pure ZnO and ZnO doped with Co nanoparticles. Materials Research Bulletin, 2016, 83, 108-115.	5.2	33
137	Lead-free piezoelectric BiFeO <sub>3</sub> -BaTiO <sub>3</sub> thin film with high Curie temperature. Current Applied Physics, 2016, 16, 1449-1452.	2.4	12
138	Rapid thermal annealing induced modification in structural and electronic structure properties of Ti <sub>0.95</sub> Co <sub>0.05</sub> O <sub>2</sub> thin films. Materials Research Bulletin, 2016, 83, 534-541.	5.2	6
139	Exchange bias field in mixed arrangement of NiO-Ni nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	0
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