

Sanjeev Gautam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

2,293
citations

25
h-index

39
g-index

139
ext. papers

2,789
ext. citations

3.9
avg. IF

5.17
L-index

#	Paper	IF	Citations
136	Metal organic frameworks for electrochemical sensor applications: A review. <i>Environmental Research</i> , 2022 , 204, 112320	7.9	12
135	Drug delivery of paracetamol by metal-organic frameworks (HKUST-1): improvised synthesis and investigations. <i>Materials Today Chemistry</i> , 2022 , 23, 100647	6.2	2
134	Recent advancements in nanomaterials for biomedical implants. <i>Biomedical Engineering Advances</i> , 2022 , 3, 100029		2
133	Direct and real-time observation of hole transport dynamics in anatase TiO using X-ray free-electron laser.. <i>Nature Communications</i> , 2022 , 13, 2531	17.4	1
132	Ion-implantation and photovoltaics efficiency: A review. <i>Materials Letters</i> , 2021 , 131356	3.3	2
131	Hydrogen economy, energy, and liquid organic carriers for its mobility. <i>Materials Today: Proceedings</i> , 2021 , 46, 5420-5427	1.4	11
130	Evidence of ZnCO ₃ interstitial phase in carbon implanted ZnO(002) thin films and room temperature ferromagnetism. <i>Vacuum</i> , 2021 , 184, 109897	3.7	0
129	Characterizing the defects and ferromagnetism in metal oxides: The case of magnesium oxide. <i>Materials Characterization</i> , 2021 , 179, 111366	3.9	1
128	XANES spectroscopic studies at L3 edge of ⁷⁹ Au in its various chemical forms. <i>Vacuum</i> , 2020 , 176, 1092947	3.7	3
127	Morphology and Interconnected Microstructure-Driven High-Rate Capability of Li-Rich Layered Oxide Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32566-32577	9.5	5
126	Investigating phase transition and morphology of Bi-Te thermoelectric system. <i>Materials Today Advances</i> , 2020 , 8, 100082	7.4	4
125	Valence state and co-ordination of implanted ions in MgO 2020 ,		3
124	Maximizing Short Circuit Current Density and Open Circuit Voltage in Oxygen Vacancy-Controlled BiCaFeTiO Thin-Film Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14105-14118	9.5	9
123	Metal oxides and metal organic frameworks for the photocatalytic degradation: A review. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103726	6.8	97
122	Novel thin film nanocomposite membranes incorporated with polyoxovanadate nanocluster for high water flux and antibacterial properties. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5494	3.1	2
121	Nanotechnology and its challenges in the food sector: a review. <i>Materials Today Chemistry</i> , 2020 , 17, 100332	6.2	33
120	Nanomaterials in the advancement of hydrogen energy storage. <i>Heliyon</i> , 2020 , 6, e04487	3.6	20

119	A novel high-flux, thin-film composite desalination membrane via co-deposition of multifunctional polyhedral oligomeric silsesquioxane and polyoxometalate. <i>Polyhedron</i> , 2019 , 168, 138-145	2.7	6
118	Applications and advances in coordination cages: Metal-Organic Frameworks. <i>Vacuum</i> , 2019 , 167, 287-300	3.7	11
117	Solvothermal assisted synthesis of CoSb ₃ phase evolution: Morphology and electrical study for thermoelectric applications. <i>Vacuum</i> , 2019 , 163, 142-147	3.7	4
116	Magnetically retrievable Ce-doped FeO nanoparticles as scaffolds for the removal of azo dyes.. <i>RSC Advances</i> , 2019 , 9, 23129-23141	3.7	18
115	Phase-evolution in Co-Sb System: CoSb ₃ Solvothermal Synthesis. <i>Materials Today: Proceedings</i> , 2019 , 18, 1358-1363	1.4	
114	Role of low energy transition metal ions in interface formation in ZnO thin films and their effect on magnetic properties for spintronic applications. <i>Applied Surface Science</i> , 2019 , 479, 1021-1028	6.7	18
113	Band engineering via grain boundary defect states for large scale tuning of photoconductivity in Bi _{1-x} CaxFe _{1-y} TiyO ₃ <i>Journal of Applied Physics</i> , 2019 , 126, 235101	2.5	3
112	Preparation and investigation of copper-manganese mixed oxides as a high-efficiency catalyst for the azide-alkyne 1,3-dipolar cycloaddition reaction. <i>Polyhedron</i> , 2019 , 160, 58-62	2.7	1
111	Magnetic metamorphosis of structurally enriched sol-gel derived SnO ₂ nanoparticles. <i>Vacuum</i> , 2019 , 166, 385-392	3.7	8
110	Fabrication of Magnetic Tunnel Junctions 2019 , 53-77		0
109	Nickel cobaltite nanoparticles: preparation, characterization, and catalytic activity. <i>Ionics</i> , 2019 , 25, 2887-2892	2.7	2
108	Investigation of local atomic structure of Ni doped SnO ₂ thin films via X-ray absorption spectroscopy and their magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 760-770	2.1	6
107	Green synthesized (Ocimum sanctum and Allium sativum) Ag-doped cobalt ferrite nanoparticles for antibacterial application. <i>Vacuum</i> , 2019 , 161, 389-397	3.7	36
106	Investigation of local geometrical structure, electronic state and magnetic properties of PLD grown Ni doped SnO ₂ thin films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2019 , 232, 21-28	1.7	10
105	Synthesis, characterization & study of Ni-doped CdS nanoparticle for high voltage application. <i>Vacuum</i> , 2019 , 160, 75-80	3.7	3
104	Oxido-peroxido W(VI)-histidine-MgAl-layered double hydroxide composite as an efficient catalyst in sulfide oxidation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4358	3.1	6
103	Mechanistic insights into the interaction between energetic oxygen ions and nanosized ZnFeO: XAS-XMCD investigations. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12084-12096	3.6	14
102	Structural and electronic investigation of ZnO nanostructures synthesized under different environments. <i>Heliyon</i> , 2018 , 4, e00594	3.6	43

101	Enhancement of third-order nonlinear optical properties of HMTA stabilized pure and doped ZnS nanoparticles and their electronic structures. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018 , 27, 1850016	0.8	8
100	Simple Preparation of Cuprous Oxide Nanoparticles for Catalysis of Azide-Alkyne Cycloaddition. <i>Journal of Chemical Research</i> , 2018 , 42, 166-169	0.6	1
99	Self-Stabilized Carbon- L_{10} FePt Nanoparticles for Heated Dot Recording Media. <i>IEEE Magnetics Letters</i> , 2018 , 9, 1-5	1.6	75
98	Electronic structure of Ln_2O_2Te ($Ln=La, Sm$ and Gd) by X-ray absorption spectroscopy. <i>Vacuum</i> , 2018 , 158, 39-41	3.7	1
97	Electronic and magnetic structure investigation of vanadium doped ZnO nanostructure. <i>Vacuum</i> , 2018 , 158, 257-262	3.7	17
96	Synthesis, structural and optical study of Ni-doped Metal-organic framework for adsorption based chemical sensor application. <i>Vacuum</i> , 2018 , 158, 249-256	3.7	20
95	Synthesis of copper nanoparticles supported on MoO_3 using Sun spurge leaf extract and their catalytic activity. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4531	3.1	8
94	Preparation and Characterization of Magnetic Chitosan/ $Cu/Mg/Al$ Layered Double Hydroxide Nanocomposite for the One-Pot Three-Component (A3) Coupling of Aldehydes, Amines and Alkynes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 2028-2035	3.2	5
93	Electronic excitation induced modifications in the ferroelectric polarization of $BiFeO_3$ thin films. <i>Vacuum</i> , 2018 , 155, 572-577	3.7	3
92	Spinel copper ferrite nanoparticles: Preparation, characterization and catalytic activity. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4470	3.1	25
91	Electronic structure of magnetic $Fe/MgO/Fe/Co$ multilayer structure by NEXAFS spectroscopy. <i>Vacuum</i> , 2017 , 138, 48-54	3.7	11
90	POSS-Based Covalent Networks: Supporting and Stabilizing Pd for Heck Reaction in Aqueous Media. <i>Catalysis Letters</i> , 2017 , 147, 1086-1094	2.8	23
89	Cu_2O nanocrystals with various morphology: Synthesis, characterization and catalytic properties. <i>Chinese Chemical Letters</i> , 2017 , 28, 1125-1130	8.1	22
88	Modifications in room temperature ferromagnetism by dense electronic excitations in $Zn_{0.9}Mg_{0.1}O$ thin films. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 831-835	5.7	4
87	Comparison of the Atomic Layer Deposition of Tantalum Oxide Thin Films Using $Ta(NBu)(NEt)$, $Ta(NBu)(NEt)Cp$, and HO . <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 537-547	9.5	13
86	Thioamide, a Hydrogen Bond Acceptor in Proteins and Nucleic Acids. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4573-4579	6.4	30
85	Surface plasmon band tailoring of plasmonic nanostructure under the effect of water radiolysis by synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2017 , 24, 1209-1217	2.4	6
84	Copper nanoparticles supported on CeO_2 as an efficient catalyst for click reactions of azides with alkynes. <i>Catalysis Communications</i> , 2016 , 85, 13-16	3.2	32

83	Copper (II) Oxide Nanoparticles as an Efficient Catalyst in the Azide-Alkyne Cycloaddition. <i>ChemistrySelect</i> , 2016 , 1, 4607-4612	1.8	9
82	Rapid thermal annealing induced modification in structural and electronic structure properties of Ti _{0.95} Co _{0.05} O ₂ thin films. <i>Materials Research Bulletin</i> , 2016 , 83, 534-541	5.1	6
81	Mizoroki-Heck reaction over palladium nanoparticles supported on WO ₃ . <i>Materials Research Bulletin</i> , 2016 , 83, 179-185	5.1	14
80	Organic-inorganic hybrid PtCo nanoparticle with high electrocatalytic activity and durability for oxygen reduction. <i>NPG Asia Materials</i> , 2016 , 8, e237-e237	10.3	47
79	Optical and surface enhanced Raman scattering properties of Au nanoparticles embedded in and located on a carbonaceous matrix. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2468-80	3.6	41
78	Monochromatic X-Ray Induced Novel Synthesis of Plasmonic Nanostructure for Photovoltaic Application. <i>Scientific Reports</i> , 2016 , 6, 22394	4.9	26
77	Swift heavy ion irradiation induced effects in Fe/MgO/Fe/Co multilayer. <i>Materials and Design</i> , 2016 , 101, 72-79	8.1	10
76	Polyoxomolybdate-stabilized Cu ₂ O nanoparticles as an efficient catalyst for the azide-alkyne cycloaddition. <i>New Journal of Chemistry</i> , 2016 , 40, 5313-5317	3.6	16
75	Chemical effects at interfaces of Fe/MgO/Fe magnetic tunnel junction. <i>Superlattices and Microstructures</i> , 2016 , 100, 560-586	2.8	13
74	Structural, transport and ferroelectric properties of Zn _{1-x} Mg _x O samples and their local electronic structure. <i>Superlattices and Microstructures</i> , 2015 , 78, 183-189	2.8	13
73	Electrical and magnetic properties of the pulsed laser deposited Ca doped LaMnO ₃ thin films on Si (100) and their electronic structures. <i>RSC Advances</i> , 2015 , 5, 69075-69085	3.7	13
72	Modification of magnetic anisotropy induced by swift heavy ion irradiation in cobalt ferrite thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 394, 432-438	2.8	3
71	Rapid oxidative degradation of methylene blue by various metal oxides doped with vanadium. <i>RSC Advances</i> , 2015 , 5, 37469-37475	3.7	25
70	XANES and DRIFTS study of sulfated Sb/V/Ce/TiO ₂ catalysts for NH ₃ -SCR. <i>Chemical Engineering Journal</i> , 2015 , 275, 142-151	14.7	42
69	Electronic structure and magnetic properties of Co doped TiO ₂ thin films using X-ray absorption spectroscopy. <i>Ceramics International</i> , 2015 , 41, S370-S375	5.1	17
68	Crystallite size induced crossover from paramagnetism to superparamagnetism in zinc ferrite nanoparticles. <i>Superlattices and Microstructures</i> , 2015 , 86, 390-394	2.8	9
67	Tailoring of absorption edge by thermal annealing in tin oxide thin films 2015 ,		1
66	Modifications in the electronic structure of Rare-Earth doped BiFeO ₃ multiferroic. <i>Solid State Communications</i> , 2015 , 222, 5-8	1.6	19

65	Mn-doped ZrO ₂ nanoparticles as an efficient catalyst for green oxidative degradation of methylene blue. <i>Catalysis Communications</i> , 2015 , 72, 1-5	3.2	37
64	XAS and XMCD investigation of zinc ferrite nanoparticles irradiated with 100 MeV O beam 2015 ,		1
63	Wide-range tunable bandgap in Bi _{1-x} CaxFe _{1-y} TiyO ₃ nanoparticles via oxygen vacancy induced structural modulations at room temperature. <i>Materials Research Express</i> , 2015 , 2, 095012	1.7	15
62	Blue shift in the optical bandgap of tin oxide thin films by controlling oxygen-to-argon gas flow ratio. <i>Functional Materials Letters</i> , 2015 , 08, 1550014	1.2	5
61	Structural, magnetic and electronic structure studies of PrFe _{1-x} MnxO ₃ (x = 0, 0.1, 0.3, 0.5) thin films grown on Si (1 0 0). <i>Journal of Alloys and Compounds</i> , 2015 , 628, 151-157	5.7	2
60	Structural, magnetic and electronic structure properties of Co doped ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2015 , 66, 76-82	5.1	24
59	Monoclinic to tetragonal phase transition in ZrO ₂ thin films under swift heavy ion irradiation: Structural and electronic structure study. <i>Chemical Physics Letters</i> , 2014 , 592, 85-89	2.5	28
58	Electronic structure study of Ce _{1-x} AxO ₂ (A = Zr & Hf) nanoparticles: NEXAFS and EXAFS investigations. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19909-16	3.6	30
57	Carbon dioxide mediated, reversible chemical hydrogen storage using a Pd nanocatalyst supported on mesoporous graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9490	13	155
56	Fabrication of p-n junction diode using SnO/SnO ₂ thin films and its device characteristics. <i>Electronic Materials Letters</i> , 2014 , 10, 743-747	2.9	12
55	Phenomenological understanding of dewetting and embedding of noble metal nanoparticles in thin films induced by ion irradiation. <i>Materials Chemistry and Physics</i> , 2014 , 147, 920-924	4.4	23
54	Electronic structure, magnetic and structural properties of Ni doped ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2014 , 59, 377-381	5.1	19
53	Electronic structure study of Co doped CeO ₂ nanoparticles using X-ray absorption fine structure spectroscopy. <i>Journal of Alloys and Compounds</i> , 2014 , 611, 329-334	5.7	21
52	Nanoscale management of molecular packing and orientation of small molecules by a combination of linear and branched alkyl side chains. <i>ACS Nano</i> , 2014 , 8, 5988-6003	16.7	40
51	Possibility of room-temperature multiferroism in Mg-doped ZnO. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 453-457	2.6	39
50	Effect of substrate temperature on structural and optical properties of nitrogen doped SnO ₂ thin film 2014 ,		3
49	Role of defects in BiFeO ₃ multiferroic films and their local electronic structure by x-ray absorption spectroscopy. <i>Journal of Applied Physics</i> , 2014 , 116, 153701	2.5	19
48	Selective area growth of Bernal bilayer epitaxial graphene on 4H-SiC (0001) substrate by electron-beam irradiation. <i>Applied Physics Letters</i> , 2014 , 105, 181601	3.4	11

47	Electronic structure of Fe/MgO/Fe multilayer stack by X-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , 2014 , 115, 17C109	2.5	14
46	Magnetic, Electronic Structure And Interface Study Of Fe/MgO/Fe Multilayer. <i>Advanced Materials Letters</i> , 2014 , 5, 372-377	2.4	17
45	X-ray spectroscopy study of Zn _x Sn _{1-x} O ₂ nanorods synthesized by hydrothermal technique. <i>Thin Solid Films</i> , 2013 , 546, 250-254	2.2	10
44	Investigation of phase segregation in sol-gel derived ZnMgO thin films. <i>Semiconductor Science and Technology</i> , 2013 , 28, 025004	1.8	28
43	Spectroscopic study of Zn _{1-x} CoxO thin films showing intrinsic ferromagnetism. <i>Materials Chemistry and Physics</i> , 2013 , 140, 130-134	4.4	12
42	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	5.1	1
41	X-ray absorption spectroscopy and photoluminescence study of rare earth ions doped strontium sulphide phosphors. <i>Applied Surface Science</i> , 2013 , 264, 237-241	6.7	12
40	Correlation between the dielectric properties and local electronic structure of copper doped calcium titanate. <i>Journal of Alloys and Compounds</i> , 2013 , 572, 84-89	5.7	22
39	Effect of oxygen pressure on the structural and optical properties of ZnO/Si(100) thin films 2013 ,		1
38	Electronic structure and electrical transport properties of LaCo _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.5). <i>Journal of Applied Physics</i> , 2013 , 114, 073704	2.5	17
37	X-ray photoelectron spectroscopy of Zn _{0.98} Cu _{0.02} O thin film grown on ZnO seed layer by RF sputtering. <i>Materials Letters</i> , 2012 , 88, 51-53	3.3	15
36	Blue shift in band gap and photoluminescence of pulsed laser deposited SrS:Ce/quartz thin film nanophosphors. <i>Journal of Alloys and Compounds</i> , 2012 , 527, 1-4	5.7	11
35	Study of the electronic structure and luminescence of Mn-doped SrS phosphors. <i>Journal of the Korean Physical Society</i> , 2012 , 61, 1604-1608	0.6	4
34	On the optical properties of Ag ⁺¹⁵ ion-beam-irradiated TiO ₂ and SnO ₂ thin films. <i>Journal of the Korean Physical Society</i> , 2012 , 61, 1609-1614	0.6	9
33	Study of participant-spectator matter, thermalization and other related phenomena for neutron-rich colliding pair. <i>European Physical Journal A</i> , 2012 , 48, 1	2.5	3
32	Study Of Surface Morphology And Grain Size Of Irradiated MgO Thin Films. <i>Advanced Materials Letters</i> , 2012 , 3, 112-117	2.4	25
31	NEXAFS studies of La _{0.8} Bi _{0.2} Fe _{1-x} Mn _x O ₃ (0.0 ≤ x ≤ 0.4) multiferroic system using x-ray absorption spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 075403	3	23
30	Synthesis of Au nanoparticles at the surface and embedded in carbonaceous matrix by 150 keV Ar ion irradiation. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 125302	3	44

29	Structural, magnetic and electronic structure studies of Mn doped TiO ₂ thin films. <i>Applied Surface Science</i> , 2011 , 257, 10557-10561	6.7	22
28	Effect of proton irradiation on electrical properties of a-As ₂ S ₃ . <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2340-2343	3.9	4
27	XAS and XMCD studies of amorphous FeCo-based ribbons. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2228-2231	3.9	5
26	Electronic structure and magnetic properties of the Ni _{0.2} Cd _{0.3} Fe _(2.5-x) Al _{1(x)} O ₄ (0 Journal of Nanoscience and Nanotechnology, 2011 , 11, 396-401	1.3	4
25	Electronic charge transfer in cobalt doped fullerene thin films and effect of energetic ion impacts by x-ray absorption spectroscopy. <i>Thin Solid Films</i> , 2011 , 519, 8401-8405	2.2	2
24	Orbital anisotropy in SnO ₂ thin films and its modification by swift heavy ion irradiation. <i>Chemical Physics Letters</i> , 2011 , 511, 322-325	2.5	10
23	Evolution of magnetic nanophases of Ni embedded in Al ₂ O ₃ (001) matrix by X-ray magnetic circular dichroism. <i>Chemical Physics Letters</i> , 2011 , 501, 404-408	2.5	6
22	Magnetic and humidity-sensing properties of nanostructured Cu _x Co _(1-x) Fe ₂ O ₄ synthesized via autocombustion. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 5850-5	1.3	17
21	Modifications in structural and electronic properties of TiO ₂ thin films using swift heavy ion irradiation. <i>Journal of Applied Physics</i> , 2011 , 110, 083718	2.5	36
20	Irradiation induced ferromagnetism at room temperature in TiO ₂ thin films: X-ray magnetic circular dichroism characterizations. <i>Applied Physics Letters</i> , 2011 , 98, 192512	3.4	25
19	ROOM TEMPERATURE FERROMAGNETISM IN PURE AND Cu DOPED ZnO NANORODS: ROLE OF COPPER OR DEFECTS. <i>Functional Materials Letters</i> , 2011 , 04, 17-20	1.2	20
18	Electronic structure studies of nanoferrite Cu _(x) Co _(1-x) Fe ₂ O ₄ by X-ray absorption spectroscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 386-90	1.3	8
17	MAGNETIC AND ELECTRONIC STRUCTURE STUDIES OF Mn _{1+x} Fe _{2-2x} Ti _x O ₄ (0 ≤ x ≤ 0.5) FERRITES. <i>Functional Materials Letters</i> , 2010 , 03, 269-273	1.2	3
16	Electronic structure of Cu-doped ZnO thin films by x-ray absorption, magnetic circular dichroism, and resonant inelastic x-ray scattering. <i>Journal of Applied Physics</i> , 2010 , 107, 103915	2.5	51
15	Electronic structure studies of Fe-doped ZnO nanorods by x-ray absorption fine structure. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 175406	3	32
14	Bi-substitution-induced magnetic moment distribution in spinel Bi _(x) Co _(2-x) MnO ₄ multiferroic. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 406006	1.8	12
13	Room temperature ferromagnetism in chemically synthesized ZnO rods. <i>Materials Letters</i> , 2009 , 63, 194-196	3.96	47
12	Preparation and characterization of Fe ₂ O ₃ polyhedral nanocrystals via annealing technique. <i>Materials Letters</i> , 2009 , 63, 1047-1050	3.3	14

11	Nanoindentation study on germania-doped silica glass preforms: evidence for the compaction-densification model of photosensitivity. <i>Optics Letters</i> , 2009 , 34, 2414-6	3	5
10	Structural and magnetic properties of chemically synthesized Fe doped ZnO. <i>Journal of Applied Physics</i> , 2009 , 105, 07C520	2.5	61
9	Investigations on the structural, optical and electronic properties of Nd doped ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 105410	3	55
8	Ferromagnetism in Fe doped ZnO synthesized by co-precipitation method. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 616-618	1	3
7	Ferromagnetism in Chemically-synthesized Co-doped ZnO. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 1060-1064	0.6	16
6	Electronic Structure of Co-doped ZnO Thin Films by X-ray Absorption and Emission Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 167-172	0.6	12
5	X-ray Absorption and Emission Studies of Mn-doped ZnO Thin Films. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 177-182	0.6	10
4	Electrical properties of a-Se ₈₅ Te ₁₅ S _x thin films. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1474-1477,9	3.9	11
3	Effect of silver doping on the electrical properties of a-Sb ₂ Se ₃ . <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1315-1321	3.9	12
2	Photoelectrical properties of amorphous Se ₂₅ Ge ₂₀ Te ₅₅ . <i>Applied Surface Science</i> , 1999 , 147, 19-26	6.7	8
1	Electrical properties of a-antimony selenide 1998 , 50, 25-33		7