Ravi Kant Choubey

List of Publications by Year
in descending order

60	1,256	279798	414414
papers	citations	23 h-index	32 g-index

60	60	60	894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Manganese ions substituted ZnO nanoparticles: Synthesis, microstructural and optical properties. Physica B: Condensed Matter, 2022, 627, 413523.	2.7	10
2	Role of deposition parameters on the properties of the fabricated heterojunction ZnS/p-Si Schottky diode. Physica Scripta, 2022, 97, 045819.	2.5	34
3	Correlating the microstructural and optical properties of vanadium ion-doped ZnO nanocrystals. Bulletin of Materials Science, 2022, 45, 1.	1.7	6
4	Study of Optical and Electrical Properties of Graphene Oxide. Materials Today: Proceedings, 2021, 36, 730-735.	1.8	14
5	Influence of deposition time on the properties of ZnS/p-Si heterostructures. Materials Science in Semiconductor Processing, 2021, 122, 105471.	4.0	46
6	Solvothermal growth of ultrathin nonporous nickel oxide nanosheets for ethanol sensing. Journal of Materials Science: Materials in Electronics, 2021, 32, 818-826.	2.2	8
7	ZnS microspheres-based photoconductor for UV light-sensing applications. Chemical Physics Letters, 2021, 763, 138162.	2.6	48
8	Morphological and Optical Studies of ZnO-Silica Nanocomposite Thin Films Synthesized by Time Dependent CBD. Journal of Electronic Materials, 2021, 50, 3462-3470.	2.2	15
9	Optical properties of Silica capped Mn doped ZnS quantum dots. Physica Scripta, 2021, 96, 065802.	2.5	11
10	Bio-synthesised Silver Nanoparticle-Conjugated l-Cysteine Ceiled Mn:ZnS Quantum Dots for Eco-friendly Biosensor and Antimicrobial Applications. Journal of Electronic Materials, 2021, 50, 3986-3995.	2.2	25
11	Effect of glutathione capping on the antibacterial activity of tin doped ZnO nanoparticles. Physica Scripta, 2021, 96, 125807.	2.5	11
12	Effect of gold nanoparticles laced anode on the bio-electro-catalytic activity and power generation ability of compost based microbial fuel cell as a coin cell sized device. Biomass and Bioenergy, 2021, 152, 106200.	5.7	11
13	Low field magnetic interactions in the transition metals doped CuS quantum dots. Chemical Physics Letters, 2021, 780, 138902.	2.6	10
14	Highly responsive and low-cost ultraviolet sensor based on ZnS/p-Si heterojunction grown by chemical bath deposition. Sensors and Actuators A: Physical, 2021, 331, 112988.	4.1	52
15	Nonlinear Absorption and Refraction of Highly Monodisperse and Luminescent ZnTe Quantum Dots and Their Self-Assembled Nanostructures: Implications for Optoelectronic Devices. ACS Omega, 2021, 6, 31375-31383.	3.5	21
16	Spin-flop in transition-metal-doped SnO2 quantum dots. Materials Chemistry and Physics, 2020, 254, 123537.	4.0	4
17	Effect of deposition time and complexing agents on hierarchical nanoflake-structured CdS thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 17055-17066.	2.2	38
18	Manganese-Doped ZnS QDs: an Investigation into the Optimal Amount of Doping. Semiconductors, 2020, 54, 1450-1458.	0.5	19

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19	Study of Sonication Assisted Synthesis of Molybdenum Disulfide (MoS2) Nanosheets. Materials Today: Proceedings, 2020, 21, 1969-1975.	1.8	11
20	Evidence of large exchange bias effect in single-phase spinel ferrite nanoparticles. Physica Scripta, 2020, 95, 095812.	2.5	9
21	Exploring the magnetic ground state of vanadium doped zinc sulphide. Semiconductor Science and Technology, 2019, 34, 105006.	2.0	31
22	Variation in chemical bath pH and the corresponding precursor concentration for optimizing the optical, structural and morphological properties of ZnO thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 17747-17758.	2.2	24
23	Existence of exchange bias and large coercivity in NiFe2O4/CoO coreâ€“shell structured nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 11748-11753.	2.2	4
24	Correlation of antibacterial and time resolved photoluminescence studies using bio-reduced silver nanoparticles conjugated with fluorescent quantum dots as a biomarker. Journal of Materials Science: Materials in Electronics, 2019, 30, 6977-6983.	2.2	12
25	Effect of silica on the ZnS nanoparticles for stable and sustainable antibacterial application. International Journal of Applied Ceramic Technology, 2019, 16, 531-540.	2.1	30
26	Evidence of exchange-coupled behavior in chromium-cobalt ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 456, 118-123.	2.3	13
27	A Comparative Investigation of Optical and Structural Properties of Cu-Doped CdO-Derived Nanostructures. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1439-1446.	1.8	28
28	Shape and size dependent nonlinear refraction and absorption in citrate-stabilized, near-IR plasmonic silver nanopyramids. Photochemical and Photobiological Sciences, 2017, 16, 1556-1562.	2.9	28
29	Synthesis, Structural and Optical Properties of Transition Metal Doped ZnO Nanoparticles. Springer Proceedings in Physics, 2017, , 205-210.	0.2	2
30	Effect of Copper Doping on Physical Properties of Cadmium Oxide Thin Films. Springer Proceedings in Physics, 2017, , 163-167.	0.2	3
31	Nanocomposite modified optical fiber: A room temperature, selective H2S gas sensor: Studies using ZnO-PMMA. Journal of Alloys and Compounds, 2017, 695, 2091-2096.	5.5	38
32	Development of Humidity Sensor Using Nanoporous Polycarbonate Membranes. Russian Journal of Physical Chemistry A, 2017, 91, 2666-2670.	0.6	1
33	Mach-Zehnder interferometric photonic crystal fiber for low acoustic frequency detections. Applied Physics Letters, 2016, 108, .	3.3	65
34	Effect of annealing treatment and deposition temperature on CdS thin films for CIGS solar cells applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 7890-7898.	2.2	26
35	Evidence of Bound Magnetic Polaron-Mediated Weak Ferromagnetism in co-doped SnO2 Nanocrystals: Microstructural, Optical, Hyperfine, and Magnetic Investigations. Journal of Electronic Materials, 2016, 45, 3562-3569.	2.2	5
36	Effect of doping of manganese ions on the structural and magnetic properties of nickel ferrite. Journal of Alloys and Compounds, 2016, 668, 33-39.	5.5	57

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37	Effect of ferromagnetic dopants on laser induced optical parameters of bismuth doped CaS phosphors. Russian Journal of Physical Chemistry A, 2015, 89, 2482-2486.	0.6	1
38	Structural and optical properties of silica capped ZnS:Mn quantum dots. Journal of Materials Science: Materials in Electronics, 2015, 26, 3939-3946.	2.2	23
39	Lithium niobate nanoparticle-coated Y-coupler optical fiber for enhanced electro-optic sensitivity. Optics Letters, 2015, 40, 491.	3.3	12
40	Study of nonlinear optical properties of organic dye by Z-scan technique using Heâ€“Ne laser. Journal of Materials Science: Materials in Electronics, 2014, 25, 1410-1415.	2.2	62
41	Effect of zinc oxide concentration in fluorescent ZnS:Mn/ZnO coreâ€“shell nanostructures. Journal of Materials Science: Materials in Electronics, 2014, 25, 1716-1723.	2.2	27
42	Study of electroless template synthesized ZnSe nanowires and its characterization. Journal of Materials Science: Materials in Electronics, 2014, 25, 957-961.	2.2	5
43	Shallow chemical bath deposition of ZnS buffer layer for environmentally benign solar cell devices. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 025015.	1.5	35
44	Photo-physical studies of pyridine capped ZnO nanostructures. Russian Journal of Physical Chemistry A, 2014, 88, 1166-1171.	0.6	2
45	Degree of supersaturation: An effective tool to control the luminescence efficiency and size distribution in CdTe quantum dots. AIP Conference Proceedings, 2013, , .	0.4	1
46	Study of nonlinear refraction of organic dye by Z-scan technique using Heâ€“Ne laser. AIP Conference Proceedings, 2013, , .	0.4	27
47	Optical Properties of Mg, Fe, Co-Doped Near-Stoichiometric LiTaO3 Single Crystals. Materials, 2012, 5, 227-238.	2.9	23
48	On the study of zinc doping in congruent LiTaO3 crystals. Materials Chemistry and Physics, 2012, 133, 813-817.	4.0	26
49	Generation of annularly symmetric periodic ferroelectric domains in Nd doped near stoichiometric LiTaO3 crystals by the vapor transport equilibration processing. Materials Letters, 2012, 67, 88-90.	2.6	2
50	Study of Size Dependent Photo-Induced Exciton Life-Time and Photocatalytic Activity of Nanocrystalline CdZnS. Advanced Science Letters, 2012, 16, 237-243.	0.2	2
51	Shallow bath chemical deposition of CdS thin film. Thin Solid Films, 2011, 520, 217-223.	1.8	39
52	Crystal growth, VTE treatment, and characterizations of Nd-doped LiTaO3. Journal of Crystal Growth, 2011, 318, 649-652.	1.5	8
53	Growth and study of nonlinear refraction and absorption in Mg doped single crystals. Journal of Crystal Growth, 2009, 311, 2597-2601.	1.5	38
54	EFFECT OF MgO DOPING ON COERCIVE FIELD IN LiNbO3 CRYSTALS. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 175-183.	1.8	4

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55	Influence of doping on OH absorption in LiNbO3 crystals. Crystal Research and Technology, 2007, 42, 718-722.	1.3	8
56	Studies on codoping behavior of Nd:Mg:LiNbO3 crystals. Physica B: Condensed Matter, 2007, 393, 37-42.	2.7	28
57	Optical properties of MgO doped LiNbO3 single crystals. Optical Materials, 2006, 28, 467-472.	3.6	48
58	Optical behaviour of VTE treated near stoichiometric LiNbO3 crystals. Solid State Communications, 2006, 137, 283-287.	1.9	27
59	Effect of codoping on crystalline perfection of Mg : Cr : LiNbO3 crystals. Solid State Communications, 2006, 140, 120-124.	1.9	26
60	Influence of Mg doping on refractive index of LiNbO3 crystals. Applied Physics A: Materials Science and Processing, 2006, 84, 291-295.	2.3	12