Ambesh Dixit

List of Publications by Year
in descending order

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Version: 2024-02-01

171 papers	2,893 citations	172457 29 h-index	254184 43 g-index
174 all docs	174 docs citations	174 times ranked	3373 citing authors

#	Article	IF	Citations
1	Charge transfer and electronic transitions in polycrystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BiFeO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2010, 82, .	3.2	122
2	Structural, magnetic, and electrical studies on polycrystalline transition-metal-doped BiFeO₃thin films. Journal of Physics Condensed Matter, 2009, 21, 036001.	1.8	104
3	A review on quantum dot sensitized solar cells: Past, present and future towards carrier multiplication with a possibility for higher efficiency. Solar Energy, 2020, 203, 210-239.	6.1	103
4	Theoretical studies of single and tandem Cu2ZnSn(S/Se)4 junction solar cells for enhanced efficiency. Optical Materials, 2018, 82, 11-20.	3.6	98
5	Microbial fuel cell powered by lipid extracted algae: A promising system for algal lipids and power generation. Bioresource Technology, 2018, 247, 520-527.	9.6	93
6	Bandgap engineering by tuning particle size and crystallinity of SnO2â€“Fe2O3 nanocrystalline composite thin films. Applied Physics Letters, 2008, 93, .	3.3	70
7	Weak ferromagnetic ordering in Ca doped polycrystalline BiFeO3. Journal of Applied Physics, 2012, 111, .	2.5	67
8	Defect engineered MoSSe Janus monolayer as a promising two dimensional material for NO2 and NO gas sensing. Applied Surface Science, 2019, 490, 204-219.	6.1	65
9	Quantum confinement effects and band gap engineering of SnO2 nanocrystals in a MgO matrix. Acta Materialia, 2012, 60, 1072-1078.	7.9	55
10	Strain-mediated stability and electronic properties of WS2, Janus WSSe and WSe2 monolayers. Superlattices and Microstructures, 2018, 122, 268-279.	3.1	51
11	Ultrathin Janus WSSe buffer layer for W(S/Se)2 absorber based solar cells: A hybrid, DFT and macroscopic, simulation studies. Solar Energy Materials and Solar Cells, 2019, 201, 110076.	6.2	46
12	Enhancing thermoelectric properties of Janus WSSe monolayer by inducing strain mediated valley degeneracy. Journal of Alloys and Compounds, 2021, 855, 157304.	5.5	46
13	Undoped vacuum annealed In2O3 thin films as a transparent conducting oxide. Applied Physics Letters, 2009, 95, .	3.3	42
14	Fatty acids/1-dodecanol binary eutectic phase change materials for low temperature solar thermal applications: Design, development and thermal analysis. Solar Energy, 2017, 155, 1373-1379.	6.1	42
15	Ultrahigh sensitivity with excellent recovery time for NH₃ and NO₂ in pristine and defect mediated Janus WSSe monolayers. Physical Chemistry Chemical Physics, 2020, 22, 13903-13922.	2.8	42
16	Structural characterization of polycrystalline thin films by X-ray diffraction techniques. Journal of Materials Science: Materials in Electronics, 2021, 32, 1341-1368.	2.2	41
17	Rareâ€Earth Doped Iron Oxide Nanostructures for Cancer Theranostics: Magnetic Hyperthermia and Magnetic Resonance Imaging. Small, 2022, 18, e2104855.	10.0	39
18	Spectrally selective response of ZrO /ZrCâ€“ZrN/Zr absorberâ€“reflector tandem structures on stainless steel and copper substrates for high temperature solar thermal applications. Solar Energy, 2016, 134, 353-365.	6.1	38

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19	Magnetic structure and magnetoelectric coupling in bulk and thin film<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeVO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2010, 82, .	3.2	35
20	Robust room temperature persistent photoconductivity in polycrystalline indium oxide films. Applied Physics Letters, 2009, 94, .	3.3	34
21	Electrical and impedance spectroscopy analysis of sol-gel derived spin coated Cu2ZnSnS4 solar cell. Journal of Applied Physics, 2018, 123, .	2.5	34
22	Robust non-volatile bipolar resistive switching in sol-gel derived BiFeO3 thin films. Superlattices and Microstructures, 2018, 120, 67-74.	3.1	34
23	Point defects induced magnetism in CdO monolayer: A theoretical study. Journal of Magnetism and Magnetic Materials, 2019, 469, 279-288.	2.3	34
24	Inorganic Leadâ€Free Cs₂AuBiCl₆ Perovskite Absorber and Cu₂O Hole Transport Material Based Singleâ€Junction Solar Cells with 22.18% Power Conversion Efficiency. Advanced Theory and Simulations, 2021, 4, 2000224.	2.8	34
25	Dielectric and optical phonon anomalies near antiferromagnetic ordering in LaCrO3: A possible near room temperature magnetodielectric system. Applied Physics Letters, 2013, 103, .	3.3	33
26	Magnetostructural and magnetocaloric properties of bulk LaCrO₃system. Materials Research Express, 2015, 2, 026103.	1.6	32
27	Development of electrical polarization at an antiferromagnetic transition in FeVO₄. Journal of Physics Condensed Matter, 2009, 21, 456003.	1.8	31
28	1T-Phase Titanium Disulfide Nanosheets for Sensing H₂S and O₂. ACS Applied Nano Materials, 2020, 3, 3382-3394.	5.0	31
29	Dielectric relaxation and magneto-dielectric effect in polycrystalline Bi0.9Ca0.1FeO2.95. Applied Physics Letters, 2012, 100, .	3.3	30
30	Models of lithium transport as applied to determination of diffusion characteristics of intercalation electrodes. Russian Journal of Electrochemistry, 2017, 53, 706-712.	0.9	30
31	Ruddlesdenâ€“Popper 2D perovskites of type (C6H9C2H4NH3)2(CH3NH3)nâˆ’1PbnI3n+1 (nâ€‰=â€‰1â€“4) for optoelectronic applications. Scientific Reports, 2022, 12, 2176.	3.3	30
32	Magnetic relaxation and dissipative heating in ferrofluids. Journal of Applied Physics, 2007, 102, .	2.5	29
33	Strain-driven thermodynamic stability and electronic transitions in ZnX (Xâ€‰=â€‰O, S, Se, and Te) monolayers. Journal of Applied Physics, 2019, 125, .	2.5	29
34	NiF2 as an efficient electrode material with high window potential of 1.8ÂV for high energy and power density asymmetric supercapacitor. Journal of Electroanalytical Chemistry, 2020, 873, 114379.	3.8	29
35	Electronic structure and polaronic excitation in FeVO4. Applied Physics Letters, 2011, 99, .	3.3	28
36	Positive effect of surface modification with titanium carbosilicide on performance of lithium-transition metal phosphate cathode materials. Monatshefte FÃ¼r Chemie, 2019, 150, 489-498.	1.8	27

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37	Dielectric relaxation near 25â€‰K in multiferroic BiFeO3 ceramics. Journal of Applied Physics, 2011, 110, .	2.5	26
38	Nanostructured zinc titanate wide band gap semiconductor as a photoelectrode material for quantum dot sensitized solar cells. Solar Energy, 2018, 163, 338-346.	6.1	26
39	Structural and electrochemical investigation of lithium ions insertion processes in polyanionic compounds of lithium and transition metals. Journal of Electroanalytical Chemistry, 2020, 860, 113894.	3.8	26
40	Ni/graphitic carbon coreâ€“shell nanostructure-based light weight elastomeric composites for Ku-band microwave absorption applications. CrystEngComm, 2018, 20, 4630-4640.	2.6	25
41	Rietveld refinement, optical, dielectric and ac conductivity studies of Ba-doped SrSnO3. Journal of Materials Science: Materials in Electronics, 2020, 31, 16838-16848.	2.2	25
42	Interfacial layer assisted, forming free, and reliable bipolar resistive switching in solution processed BiFeO3 thin films. AIP Advances, 2020, 10, .	1.3	25
43	Coexistence of anion and cation vacancy defects in vacuum-annealed In2O3 thin films. Scripta Materialia, 2010, 62, 63-66.	5.2	24
44	Zn interstitial defects and their contribution as efficient light blue emitters in Zn rich ZnO thin films. Journal of Alloys and Compounds, 2018, 735, 2318-2323.	5.5	24
45	Suppression of multiferroic order in hexagonal ceramics. Solid State Communications, 2010, 150, 746-750.	1.9	23
46	PdTe: a 4.5 K type-II BCS superconductor. Superconductor Science and Technology, 2015, 28, 055008.	3.5	23
47	Effect of transition metal doping on multiferroic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>FeV</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 91, .	3.2	22
48	Optimization of sputtered zirconium thin films as an infrared reflector for use in spectrally-selective solar absorbers. Thin Solid Films, 2017, 627, 17-25.	1.8	22
49	LiFePO4-Based Composite Electrode Material: Synthetic Approaches, Peculiarities of the Structure, and Regularities of Ionic Transport Processes. Russian Journal of Electrochemistry, 2019, 55, 719-737.	0.9	22
50	Improved hydrogen desorption properties of exfoliated graphite and graphene nanoballs modified MgH2. International Journal of Hydrogen Energy, 2022, 47, 41891-41897.	7.1	22
51	Rare Examples of Fluoride-Based Multiferroic Materials in Mn-substituted BaMgF₄ Systems: Experimental and Theoretical Studies. Inorganic Chemistry, 2011, 50, 11765-11772.	4.0	21
52	Efficient Alpha Radiation Detector using Low Temperature Hydrothermally Grown ZnO:Ga Nanorod Scintillator. Scientific Reports, 2019, 9, 11354.	3.3	21
53	Impact of excess and disordered Sn sites on Cu2ZnSnS4 absorber material and device performance: A 119Sn MÃ¶ssbauer study. Materials Chemistry and Physics, 2019, 225, 410-416.	4.0	20
54	Growth of sillenite Bi12FeO20 single crystals: structural, thermal, optical, photocatalytic features and first principle calculations. Scientific Reports, 2020, 10, 22052.	3.3	20

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55	Magnetic structure and susceptibility of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CoSe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> An antiferromagnetic chain compound. Physical Review B, 2010, 82, .	3.2	19
56	Development of sodium acetate trihydrate-ethylene glycol composite phase change materials with enhanced thermophysical properties for thermal comfort and therapeutic applications. Scientific Reports, 2017, 7, 5203.	3.3	19
57	Cation modified A 2 (Ba, Sr and Ca) ZnWO 6 cubic double perovskites: A theoretical study. Computational Condensed Matter, 2018, 14, 27-35.	2.1	19
58	Enhancement in electrical and magnetodielectric properties of Caâ€•and Baâ€doped BiFeO₃ polycrystalline ceramics. Journal of the American Ceramic Society, 2018, 101, 782-788.	3.8	19
59	Complex magnetic structure and magnetocapacitance response in a non-oxide NiF2 system. Scientific Reports, 2019, 9, 3200.	3.3	19
60	Charge/discharge characteristics of Jahnâ€“Teller distorted nanostructured orthorhombic and monoclinic Li₂MnSiO₄cathode materials. RSC Advances, 2017, 7, 22990-22997.	3.6	18
61	Tunable Twin Matching Frequency (fm1/fm2) Behavior of Ni1â^'xZnxFe2O4/NBR Composites over 2â€“12.4â€‰GHz: A Strategic Material System for Stealth Applications. Scientific Reports, 2017, 7, 44457.	3.3	18
62	Simulation studies on photovoltaic response of ultrathin CuSb(S/Se) ₂ ternary compound semiconductors absorberâ€based single junction solar cells. International Journal of Energy Research, 2020, 44, 3724-3736.	4.5	18
63	Theoretical DFT studies of Cu2HgSnS4 absorber material and Al:ZnO/ZnO/CdS/Cu2HgSnS4/Back contact heterojunction solar cell. Solar Energy, 2021, 225, 802-813.	6.1	18
64	Fe$_{3}$O$_{4}$ Incorporated AOT-Alginate Nanoparticles for Drug Delivery. IEEE Transactions on Magnetics, 2008, 44, 2800-2803.	2.1	17
65	Diverse Structural and Magnetic Properties of Differently Prepared MnAs Nanoparticles. ACS Nano, 2011, 5, 2970-2978.	14.6	17
66	Impedance engineered microwave absorption properties of Fe-Ni/C core-shell enabled rubber composites for X-band stealth applications. Journal of Alloys and Compounds, 2021, 869, 159360.	5.5	16
67	Structural, microstructure, optical, and electrical properties of Ti-doped CaSnO₃ prepared by Sol-Gel chemical route. Physica Scripta, 2020, 95, 105807.	2.5	16
68	Nanostructured high specific capacity C-LiFePO₄ cathode material for lithium-ion batteries. Journal of Materials Research, 2012, 27, 424-430.	2.6	15
69	Dual Band Resonance in Tetragonal BaTiO₃/<scp>NBR</scp> Composites for Microwave Absorption Applications. Journal of the American Ceramic Society, 2016, 99, 3002-3007.	3.8	15
70	Inverted structure perovskite solar cells: A theoretical study. Current Applied Physics, 2018, 18, 1583-1591.	2.4	15
71	Strain Modulated Optoelectronic Properties of CdO Monolayer. Journal of Electronic Materials, 2019, 48, 3963-3969.	2.2	15
72	Characterization of Mukundpura Carbonaceous Chondrite. Current Science, 2018, 114, 214.	0.8	15

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73	Effect of precursor and composition on the physical properties of the low-cost solution processed Cu2ZnSnS4 thin film for solar photovoltaic application. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	14
74	Temperature dependent electron paramagnetic resonance study on magnetoelectric YCrO₃. Journal of Physics Condensed Matter, 2017, 29, 495805.	1.8	14
75	Facile synthesis of Cu2ZnGeS4 thin films from binary metal sulfides and study of their physical properties. Thin Solid Films, 2019, 676, 68-74.	1.8	14
76	A GENERALIZED CONDITION FOR TELEPORTATION OF THE QUANTUM STATE OF AN ASSEMBLY OF N TWO-LEVEL SYSTEM. Modern Physics Letters B, 2007, 21, 2019-2023.	1.9	13
77	Phase separation and optical properties in oxygen-rich InN films. Applied Physics Letters, 2008, 93, 142103.	3.3	13
78	Heterostructure AZO/WSeTe/W(S/Se)₂ as an Efficient Single Junction Solar Cell with Ultrathin Janus WSeTe Buffer Layer. Journal of Physical Chemistry C, 2021, 125, 4355-4362.	3.1	13
79	Superiority of activated graphite/CuO composite electrode over Platinum based electrodes as cathode in algae assisted microbial fuel cell. Environmental Technology and Innovation, 2021, 24, 101891.	6.1	13
80	Thermodynamic stability and optoelectronic properties of Cu(Sb/Bi)(S/Se)2 ternary chalcogenides: Promising ultrathin photoabsorber semiconductors. Solar Energy, 2019, 177, 679-689.	6.1	12
81	Scaling behaviour of magnetic transitions in Ni3V2O8. Philosophical Magazine, 2009, 89, 1923-1932.	1.6	11
82	Multiferroic, optical and magneto-dielectric properties with enhanced magneto-impedance characteristic of KBiFe2O5. Journal of Alloys and Compounds, 2022, 893, 162225.	5.5	11
83	Ferroic ordering and chargeâ€spinâ€lattice order coupling in Gdâ€doped Fe₃O₄ nanoparticles relaxor multiferroic system. Journal of the American Ceramic Society, 2017, 100, 1534-1541.	3.8	10
84	Emergence of two-magnon modes below spin-reorientation transition and phonon-magnon coupling in bulk BiFeO3: An infrared spectroscopic study. Journal of Alloys and Compounds, 2020, 832, 154754.	5.5	10
85	Ground State Electronic and Magnetic Properties of LaCrO₃ System. Advanced Materials Research, 0, 585, 274-278.	0.3	9
86	Nanotechnology for Defence Applications. , 2019, , .		9
87	Zinc oxide/polystyrene composite based scintillator for alpha particle monitoring. Materials Science in Semiconductor Processing, 2021, 127, 105692.	4.0	9
88	Gamma radiation induced microwave absorption properties of Ultra-thin barium titanate (BaTiO3) ceramic tiles over X-Band (8.2â€“12.4GHz). Ceramics International, 2021, 47, 22397-22403.	4.8	9
89	Strong plasmon absorption in InN thin films. Journal of Applied Physics, 2009, 105, .	2.5	8
90	Electric-field control of a magnetic phase transition in Ni 3 V 2 O 8. Europhysics Letters, 2009, 86, 17007.	2.0	8

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91	Catalyst free rutile phase TiO2 nanorods as efficient hydrogen sensor with enhanced sensitivity and selectivity. Current Applied Physics, 2022, 41, 183-190.	2.4	8
92	Electroless deposition of superconducting MgB2 films on various substrates. Thin Solid Films, 2010, 519, 658-661.	1.8	7
93	A novel multi band notched octagonal shaped fractal UWB antenna. , 2013, , .		7
94	Impact of Ni doping on critical parameters of PdTe superconductor. Superconductor Science and Technology, 2016, 29, 075008.	3.5	7
95	Structural evolution of chemically deposited binary stacks of Sb 2 S 3 â€CuS to phaseâ€pure CuSbS 2 thin films and evaluation of device parameters of CuSbS 2 /CdS heterojunction. International Journal of Energy Research, 2020, 44, 5881-5894.	4.5	7
96	Enhanced Photocatalytic Activity in Strain Engineered Janus WSSe Monolayers. Journal of Electronic Materials, 2021, 50, 7230-7239.	2.2	7
97	Investigation of E1(LO) phonon-plasmon coupled modes and critical points in In1â^'xGaxN thin films by optical reflectance measurements. Applied Physics Letters, 2010, 96, 181904.	3.3	6
98	Impact of corrosion on microstructure and mechanical properties of ZrOx/ZrC-ZrN/Zr absorberâ€"reflector tandem solar selective structures. Solar Energy Materials and Solar Cells, 2016, 157, 733-741.	6.2	6
99	Enhancement in photocatalytic response of inorganicâ€"organic BiVO₄/C₃N₄ composite system. Materials Research Express, 2018, 5, 024001.	1.6	6
100	Magnetic entropy change in a non-collinear weak ferromagnetic YCrO3. Vacuum, 2020, 179, 109519.	3.5	6
101	Photocatalytic oxidation conveyor â€œPCOCâ€•system for large scale surface disinfection. Review of Scientific Instruments, 2022, 93, .	1.3	6
102	Magnetic Structure and Thermal Conductivity of FeVO₄ Multiferroic. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
103	Ferroelectrically induced dual band microwave absorption in multiferroic BiFeO3/acrylo-nitrile butadiene rubber composites. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
104	A novel process for sensitization and infiltration of quantum dots in mesoporous metal oxide matrix for efficient solar photovoltaics response. Solar Energy, 2018, 169, 488-497.	6.1	5
105	Design criteria of transition metal dopants in TiO2/CdS photoelectrode for enhanced photovoltaic response. Journal of Physics and Chemistry of Solids, 2018, 122, 154-161.	4.0	5
106	Corrosion resists Ni, Co co-pigmented nanoporous anodized alumina as spectral selective coating structure for solar thermal applications. Journal of Alloys and Compounds, 2019, 810, 151833.	5.5	5
107	Large scale re-producible synthesis and magnetic properties of Ni/graphite core-shell nanostructured materials. Journal of Magnetism and Magnetic Materials, 2020, 501, 166444.	2.3	5
108	DFT Studies on Electronic and Optical Properties of Inorganic CsPbI3 Perovskite Absorber for Solar Cell Application. Springer Proceedings in Energy, 2021, , 1199-1206.	0.3	5

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109	Rare Earth Oxides Based Composites for High Voltage Supercapacitors Applications: A Short Review. Smart Innovation, Systems and Technologies, 2020, , 1-10.	0.6	5
110	RF Sputtered MoO3 Thin Film on Si (100) for Gas Sensing Applications. Defence Science Journal, 2020, 70, 505-510.	0.8	5
111	Study of CNT Intercalated Bi₂O₃/PVDF Composite for Super Capacitors Applications. Macromolecular Symposia, 2021, 399, 2100022.	0.7	5
112	Study on thermophysical properties of pentadecane and its composites with thermally expanded graphite as shape-stabilized phase change materials. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8689-8697.	3.6	5
113	Ultra-low lattice thermal conductivity and high figure of merit for Janus MoSeTe monolayer: a peerless material for high temperature regime thermoelectric devices. Journal of Materials Science, 2022, 57, 7012-7022.	3.7	5
114	Electrochemical behavior of carbonic precursor with Na3V2(PO4)3nanostructured material in hybrid battery system. Ionics, 2017, 23, 3067-3071.	2.4	4
115	A low temperature water-cooled radiation calorimeter for estimation of concentrated solar irradiance. Solar Energy, 2018, 167, 194-209.	6.1	4
116	Thermal Conductivity Enhancement of Myristic Acid Using Exfoliated Graphite for Thermal Energy Storage Applications. Springer Proceedings in Energy, 2018, , 159-167.	0.3	4
117	Glassy magnetic cronstedtite signatures in Mukundpura CM 2 chondrite based on magnetic and MÃ¶ssbauer studies. Meteoritics and Planetary Science, 2019, 54, 2902-2907.	1.6	4
118	Exchange Bias Enhancement and Magnetic Proximity Effect in FeVO4-Fe3O4 Nanoparticles. Journal of Electronic Materials, 2019, 48, 3297-3303.	2.2	4
119	Theoretical studies on structural, electronic and optical properties of kesterite and stannite Cu2ZnGe(S/Se)4 solar cell absorbers. Computational Condensed Matter, 2019, 19, e00334.	2.1	4
120	Influence of Ca doping on Xâ€ray photoelectron coreâ€level spectra of magnetoelectric bulk BiFeO₃. Surface and Interface Analysis, 2021, 53, 798-807.	1.8	4
121	Highly textured (100)-oriented AlN thin films using thermal atomic layer deposition and their electrical properties. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	4
122	Enhanced thermal conductivity and shape stabilized <scp>LiNO₃â€NaCl</scp> eutectic/exfoliated graphite composite for thermal energy storage applications. Energy Storage, 2022, 4, e296.	4.3	4
123	Near-infrared photodetector performance of Cu2ZnSnS4 in the metal-semiconductor-metal configuration: Theoretical studies. Optik, 2022, 264, 169385.	2.9	4
124	Hexagonal shaped fractal UWB antenna. , 2013, , .		3
125	Ferromagnetism and spin polarization in indium nitride, indium oxynitride, and Cr substituted indium oxynitride films. Applied Surface Science, 2014, 295, 189-193.	6.1	3
126	Room temperature electrical properties of solution derived p-type Cu2ZnSnS4 thin films. AIP Conference Proceedings, 2016, , .	0.4	3

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127	Thermal phase diagram of acetamide-benzoic acid and benzoic acid-phthalimide binary systems for solar thermal applications. AIP Conference Proceedings, 2016, , .	0.4	3
128	Investigation of ZrO x /ZrCâ€“ZrN/Zr thin-film structural evolution and their degradation using X-ray diffraction and Raman spectrometry. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
129	An experimental set-up for measuring thermodynamic response of low temperature phase change materials. , 2016, , .		3
130	Structural, magnetic, and electrical properties of spin coated ilmenite-pseudobrookite xFeTiO3-(1-x)Fe2O3 thin films. Journal of Applied Physics, 2017, 122, 103901.	2.5	3
131	Optimization of Electrochemical Performance of LiFePO4/C by Indium Doping and High Temperature Annealing. Inorganics, 2017, 5, 67.	2.7	3
132	Thermal and Materials Perspective on the Design of Open Volumetric Air Receiver for Process Heat Applications. Energy, Environment, and Sustainability, 2018, , 113-127.	1.0	3
133	Limiting efficiency factors and their consequences on quantum dot sensitized solar cells: a detailed balance study. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	3
134	Defects and light elements (Li, Be, B, C, O and F) driven d0 magnetism in InN monolayer. Vacuum, 2020, 181, 109720.	3.5	3
135	Ag8+ ion irradiation modulated structural, microstructural, defect, and magnetization in ZnO thin films. Vacuum, 2020, 176, 109342.	3.5	3
136	Environmental Degradation of Glass Fiber-Reinforced Nanocomposites with Self-Healing Reinforcement in Polymer Matrix for Wind Turbine Blade Application. Transactions of the Indian Institute of Metals, 2021, 74, 3119.	1.5	3
137	Strain tailored thermodynamic stability, electronic transitions, and optoelectronic properties of III (In, Ga and Al)-nitride monolayers. Nanotechnology, 2022, 33, 045202.	2.6	3
138	BiFeO3 Coupled Polysulfide Trapping in C/S Composite Cathode Material for Li-S Batteries as Large Efficiency and High Rate Performance. Energies, 2021, 14, 8362.	3.1	3
139	The synthesis, structure, and electrochemical properties of Li2FeSiO4-based lithium-accumulating electrode material. Russian Journal of Electrochemistry, 2017, 53, 302-311.	0.9	2
140	W/SS thin film as high temperature infrared reflector for solar thermal applications: intrinsic properties and impact of residual oxygen. Materials Research Express, 2019, 6, 106408.	1.6	2
141	Improved rectification behaviour in ZnO nanorods homojunction by suppressing Li donor defects using Li-Ni co-doping. Superlattices and Microstructures, 2019, 132, 106154.	3.1	2
142	Transition Metal Doped ZnS Monolayer: The First Principles Insights. Springer Proceedings in Physics, 2019, , 49-56.	0.2	2
143	Anomalous magnetic behavior and complex magnetic structure of proximate LaCrO₃â€”LaFeO₃ system. Materials Research Express, 2019, 6, 126119.	1.6	2
144	Capacity Fading in Li2FeSiO4 Cathode Material: Intrinsic or Extrinsic. Journal of Electronic Materials, 2021, 50, 1059-1066.	2.2	2

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145	Issue and Challenges with High-Temperature Solar Selective Material for Solar Thermal Application. Smart Innovation, Systems and Technologies, 2020, , 99-108.	0.6	2
146	All oxide sol-gel assisted SiO2/(ZnO/Sn-In2O3)n/SS dielectric/conducting multilayer based spectrally selective coating on Stainless Steel tubes for potential solar thermal application. Solar Energy, 2022, 236, 561-568.	6.1	2
147	Structural and magnetic properties of the M2Ga2Fe2O9 (M=In, Sc) oxides. Journal of Solid State Chemistry, 2013, 200, 110-116.	2.9	1
148	Charging studies of heat packs using parabolic dish solar energy concentrator for extreme conditions. AIP Conference Proceedings, 2016, , .	0.4	1
149	Optimization and structure-property correlation of black chrome solar selective coating on Copper and Nickel plated copper substrates. Materials Today: Proceedings, 2018, 5, 23423-23427.	1.8	1
150	Neutron diffraction studies on temperature driven crystallographic anisotropy in FeVO4 multiferroic: Evidence of strong magnetostructural correlations. AIP Conference Proceedings, 2019, , .	0.4	1
151	Gamma Radiation Dosimetry Characteristics of Hydrothermally Synthesized TiO2 Nanorods. Journal of Electronic Materials, 2021, 50, 4090-4095.	2.2	1
152	Effect of site disorder on the electronic, magnetic, and ferroelectric properties of gallium ferrite. Physical Review Materials, 2020, 4, .	2.4	1
153	Influence of Excitation Frequency on Raman Modes of Thin Films. Advances in Condensed Matter Physics, 2013, 2013, 1-4.	1.1	0
154	Magnetic structure and thermal conductivity of FeVO<inf>4</inf> multiferroic. , 2015, , .		0
155	Luminescence tuning in a ZnS:Mn system by C6+(80â€...MeV) ion beam irradiation. Radiation Effects and Defects in Solids, 2015, 170, 399-406.	1.2	0
156	Transition Metal-Based Spectrally Selective Coatings Using In-House Developed Spray System. Springer Proceedings in Energy, 2018, , 145-155.	0.3	0
157	Effect of Growth Condition on Mechanical Properties of Zirconium Carbonitride Absorber-Based Spectrally Selective Coatings. Springer Proceedings in Energy, 2018, , 137-143.	0.3	0
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