Ambesh Dixit

List of Publications by Year
in descending order

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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	Strain tailored thermodynamic stability, electronic transitions, and optoelectronic properties of III (In, Ga and Al)-nitride monolayers. Nanotechnology, 2022, 33, 045202.	2.6	3
2	Multiferroic, optical and magneto-dielectric properties with enhanced magneto-impedance characteristic of KBiFe2O5. Journal of Alloys and Compounds, 2022, 893, 162225.	5.5	11
3	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
4	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
5	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
6	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
7	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
8	Rareâ€Earth Doped Iron Oxide Nanostructures for Cancer Theranostics: Magnetic Hyperthermia and Magnetic Resonance Imaging. Small, 2022, 18, e2104855.	10.0	39
9	Improved hydrogen desorption properties of exfoliated graphite and graphene nanoballs modified MgH2. International Journal of Hydrogen Energy, 2022, 47, 41891-41897.	7.1	22
10	Near-infrared photodetector performance of Cu2ZnSnS4 in the metal-semiconductor-metal configuration: Theoretical studies. Optik, 2022, 264, 169385.	2.9	4
11	Photocatalytic oxidation conveyor â€œPCOCâ€•system for large scale surface disinfection. Review of Scientific Instruments, 2022, 93, .	1.3	6
12	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
13	Enhancing thermoelectric properties of Janus WSSe monolayer by inducing strain mediated valley degeneracy. Journal of Alloys and Compounds, 2021, 855, 157304.	5.5	46
14	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
15	Capacity Fading in Li2FeSiO4 Cathode Material: Intrinsic or Extrinsic. Journal of Electronic Materials, 2021, 50, 1059-1066.	2.2	2
16	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
17	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
18	Gamma Radiation Dosimetry Characteristics of Hydrothermally Synthesized TiO2 Nanorods. Journal of Electronic Materials, 2021, 50, 4090-4095.	2.2	1

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19	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
20	Zinc oxide/polystyrene composite based scintillator for alpha particle monitoring. Materials Science in Semiconductor Processing, 2021, 127, 105692.	4.0	9
21	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
22	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
23	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
24	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
25	Enhanced Photocatalytic Activity in Strain Engineered Janus WSSe Monolayers. Journal of Electronic Materials, 2021, 50, 7230-7239.	2.2	7
26	Evolution of hematite and/or magnetite iron phases with thermal heating in ordinary chondrites: A generic characteristic. Journal of Earth System Science, 2021, 130, 1.	1.3	0
27	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
28	Energy for rural development. , 2021, , 181-222.		0
29	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
30	Study of CNT Intercalated Bi₂O₃/PVDF Composite for Super Capacitors Applications. Macromolecular Symposia, 2021, 399, 2100022.	0.7	5
31	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
32	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
33	Defects and light elements (Li, Be, B, C, O and F) driven d0 magnetism in InN monolayer. Vacuum, 2020, 181, 109720.	3.5	3
34	Onset of inverse magnetocaloric effect in multiferroic FeVO4 below the antiferromagnetic transition temperature T. Journal of Magnetism and Magnetic Materials, 2020, 515, 167300.	2.3	0
35	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
36	Magnetic entropy change in a non-collinear weak ferromagnetic YCrO3. Vacuum, 2020, 179, 109519.	3.5	6

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37	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
38	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
39	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
40	1T-Phase Titanium Disulfide Nanosheets for Sensing H₂S and O₂. ACS Applied Nano Materials, 2020, 3, 3382-3394.	5.0	31
41	Interfacial layer assisted, forming free, and reliable bipolar resistive switching in solution processed BiFeO3 thin films. AIP Advances, 2020, 10, .	1.3	25
42	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
43	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
44	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
45	Ag8+ ion irradiation modulated structural, microstructural, defect, and magnetization in ZnO thin films. Vacuum, 2020, 176, 109342.	3.5	3
46	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
47	Rare Earth Oxides Based Composites for High Voltage Supercapacitors Applications: A Short Review. Smart Innovation, Systems and Technologies, 2020, , 1-10.	0.6	5
48	Growth of sillenite Bi12FeO20 single crystals: structural, thermal, optical, photocatalytic features and first principle calculations. Scientific Reports, 2020, 10, 22052.	3.3	20
49	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
50	Structural, microstructure, optical, and electrical properties of Ti-doped CaSnO₃ prepared by Sol-Gel chemical route. Physica Scripta, 2020, 95, 105807.	2.5	16
51	RF Sputtered MoO3 Thin Film on Si (100) for Gas Sensing Applications. Defence Science Journal, 2020, 70, 505-510.	0.8	5
52	Issue and Challenges with High-Temperature Solar Selective Material for Solar Thermal Application. Smart Innovation, Systems and Technologies, 2020, , 99-108.	0.6	2
53	Graphene modulated LiMn_{1.5}Ni_{0.4}Cr_{0.1}O₄ spinel cathode for lithium ion battery. Nano Express, 2020, 1, 020028.	2.4	0
54	Fabrication and Thermal Performance Evaluation of Metastable Supercooled Liquid PCM Based Heat Pack. Energy, Environment, and Sustainability, 2020, , 277-282.	1.0	0

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55	Effect of site disorder on the electronic, magnetic, and ferroelectric properties of gallium ferrite. Physical Review Materials, 2020, 4, .	2.4	1
56	Efficient Alpha Radiation Detector using Low Temperature Hydrothermally Grown ZnO:Ga Nanorod Scintillator. Scientific Reports, 2019, 9, 11354.	3.3	21
57	Neutron diffraction studies on temperature driven crystallographic anisotropy in FeVO4 multiferroic: Evidence of strong magnetostructural correlations. AIP Conference Proceedings, 2019, , .	0.4	1
58	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
59	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
60	Nanotechnology for Defence Applications. , 2019, , .		9
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	Complex magnetic structure and magnetocapacitance response in a non-oxide NiF2 system. Scientific Reports, 2019, 9, 3200.	3.3	19
70	Light Emitting Diode and UV Photodetector Characteristics of Solution Processed n-ZnO Nanorods/p-Si Heterostructures. Springer Proceedings in Physics, 2019, , 1223-1229.	0.2	0
71	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
72	Exchange Bias Enhancement and Magnetic Proximity Effect in FeVO4-Fe3O4 Nanoparticles. Journal of Electronic Materials, 2019, 48, 3297-3303.	2.2	4

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73	Strain Modulated Optoelectronic Properties of CdO Monolayer. Journal of Electronic Materials, 2019, 48, 3963-3969.	2.2	15
74	Transition Metal Doped ZnS Monolayer: The First Principles Insights. Springer Proceedings in Physics, 2019, , 49-56.	0.2	2
75	Band Gap Engineering of CdTe Quantum Dots by Hg Alloying in Infrared Region. Springer Proceedings in Physics, 2019, , 1231-1234.	0.2	0
76	Reliable and forming free bipolar resistive switching in solution derived Ag/BiFe0.99Cr0.01O3/FTO device. , 2019, , .		0
77	Anomalous magnetic behavior and complex magnetic structure of proximate LaCrO₃â€"LaFeO₃ system. Materials Research Express, 2019, 6, 126119.	1.6	2
78	Point defects induced magnetism in CdO monolayer: A theoretical study. Journal of Magnetism and Magnetic Materials, 2019, 469, 279-288.	2.3	34
79	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
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	Effect of Magnetic Ordering on Phonon Raman Spectra in Magnetic Systems. Springer Proceedings in Physics, 2019, , 289-299.	0.2	0
82	A low temperature water-cooled radiation calorimeter for estimation of concentrated solar irradiance. Solar Energy, 2018, 167, 194-209.	6.1	4
83	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
84	Enhancement in photocatalytic response of inorganicâ€"organic BiVO₄/C₃N₄ composite system. Materials Research Express, 2018, 5, 024001.	1.6	6
85	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
86	Electrical and impedance spectroscopy analysis of sol-gel derived spin coated Cu2ZnSnS4 solar cell. Journal of Applied Physics, 2018, 123, .	2.5	34
87	Transition Metal-Based Spectrally Selective Coatings Using In-House Developed Spray System. Springer Proceedings in Energy, 2018, , 145-155.	0.3	0
88	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
89	Thermal Conductivity Enhancement of Myristic Acid Using Exfoliated Graphite for Thermal Energy Storage Applications. Springer Proceedings in Energy, 2018, , 159-167.	0.3	4
90	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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91	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
92	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
93	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
94	Solar Performance Analysis of ZrOx/ZrC-ZrN/Zr/SS Spectrally Selective Coating Under Extreme Thermal Environment. , 2018, , 191-201.		0
95	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
96	CdTe Sensitized Nano Porous Electrode for Photovoltaic Application. Materials Today: Proceedings, 2018, 5, 23311-23315.	1.8	0
97	Inverted structure perovskite solar cells: A theoretical study. Current Applied Physics, 2018, 18, 1583-1591.	2.4	15
98	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
99	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
100	Robust non-volatile bipolar resistive switching in sol-gel derived BiFeO3 thin films. Superlattices and Microstructures, 2018, 120, 67-74.	3.1	34
101	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
102	Strain-mediated stability and electronic properties of WS2, Janus WSSe and WSe2 monolayers. Superlattices and Microstructures, 2018, 122, 268-279.	3.1	51
103	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
104	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
105	Characterization of Mukundpura Carbonaceous Chondrite. Current Science, 2018, 114, 214.	0.8	15
106	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
107	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
108	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

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109	The synthesis, structure, and electrochemical properties of Li2FeSiO4-based lithium-accumulating electrode material. Russian Journal of Electrochemistry, 2017, 53, 302-311.	0.9	2
110	Charge/discharge characteristics of Jahnâ€“Teller distorted nanostructured orthorhombic and monoclinic Li₂MnSiO₄cathode materials. RSC Advances, 2017, 7, 22990-22997.	3.6	18
111	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
112	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
113	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
114	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
115	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
116	Temperature dependent electron paramagnetic resonance study on magnetoelectric YCrO₃. Journal of Physics Condensed Matter, 2017, 29, 495805.	1.8	14
117	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
118	Electrochemical behavior of carbonic precursor with Na3V2(PO4)3nanostructured material in hybrid battery system. Ionics, 2017, 23, 3067-3071.	2.4	4
119	Optimization of Electrochemical Performance of LiFePO4/C by Indium Doping and High Temperature Annealing. Inorganics, 2017, 5, 67.	2.7	3
120	Charging studies of heat packs using parabolic dish solar energy concentrator for extreme conditions. AIP Conference Proceedings, 2016, , .	0.4	1
121	Room temperature electrical properties of solution derived p-type Cu2ZnSnS4 thin films. AIP Conference Proceedings, 2016, , .	0.4	3
122	Thermal phase diagram of acetamide-benzoic acid and benzoic acid-phthalimide binary systems for solar thermal applications. AIP Conference Proceedings, 2016, , .	0.4	3
123	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
124	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
125	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
126	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

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127	Impact of Ni doping on critical parameters of PdTe superconductor. Superconductor Science and Technology, 2016, 29, 075008.	3.5	7
128	An experimental set-up for measuring thermodynamic response of low temperature phase change materials. , 2016, , .		3
129	Zirconium Carbide-Nitride Composite Matrix Based Solar Absorber Structures on Glass and Aluminum Substrates for Solar Thermal Applications. , 2016, , .		0
130	Study of Hydrogen Adsorption on GO/PS Based Flexible Nanocomposites at Room Temperature. Advanced Science Letters, 2016, 22, 3768-3772.	0.2	0
131	Magnetic structure and thermal conductivity of FeVO<inf>4</inf> multiferroic. , 2015, , .		0
132	Magnetostructural and magnetocaloric properties of bulk LaCrO₃system. Materials Research Express, 2015, 2, 026103.	1.6	32
133	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
134	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
135	PdTe: a 4.5 K type-II BCS superconductor. Superconductor Science and Technology, 2015, 28, 055008.	3.5	23
136	Magnetic Structure and Thermal Conductivity of FeVO₄ Multiferroic. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
137	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
138	Plasmon enhanced absorption in Au:ZnO hybrid systems. , 2014, , .		0
139	Structural and magnetic properties of the M2Ga2Fe2O9 (M=In, Sc) oxides. Journal of Solid State Chemistry, 2013, 200, 110-116.	2.9	1
140	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
141	A novel multi band notched octagonal shaped fractal UWB antenna. , 2013, , .		7
142	Hexagonal shaped fractal UWB antenna. , 2013, , .		3
143	Influence of Excitation Frequency on Raman Modes of Thin Films. Advances in Condensed Matter Physics, 2013, 2013, 1-4.	1.1	0
144	Nanostructured high specific capacity C-LiFePO₄ cathode material for lithium-ion batteries. Journal of Materials Research, 2012, 27, 424-430.	2.6	15

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145	Dielectric relaxation and magneto-dielectric effect in polycrystalline Bi0.9Ca0.1FeO2.95. Applied Physics Letters, 2012, 100, .	3.3	30
146	Weak ferromagnetic ordering in Ca doped polycrystalline BiFeO3. Journal of Applied Physics, 2012, 111, .	2.5	67
147	Quantum confinement effects and band gap engineering of SnO2 nanocrystals in a MgO matrix. Acta Materialia, 2012, 60, 1072-1078.	7.9	55
148	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
149	Electronic structure and polaronic excitation in FeVO4. Applied Physics Letters, 2011, 99, .	3.3	28
150	Diverse Structural and Magnetic Properties of Differently Prepared MnAs Nanoparticles. ACS Nano, 2011, 5, 2970-2978.	14.6	17
151	Dielectric relaxation near 25â€‰K in multiferroic BiFeO3 ceramics. Journal of Applied Physics, 2011, 110, .	2.5	26
152	Coexistence of anion and cation vacancy defects in vacuum-annealed In2O3 thin films. Scripta Materialia, 2010, 62, 63-66.	5.2	24
153	Electroless deposition of superconducting MgB2 films on various substrates. Thin Solid Films, 2010, 519, 658-661.	1.8	7
154	Suppression of multiferroic order in hexagonal ceramics. Solid State Communications, 2010, 150, 746-750.	1.9	23
155	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
156	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
157	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
158	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
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