

Dinesh Varshney

List of Publications by Year in descending order

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200
docs citations

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2956
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#	ARTICLE	IF	CITATIONS
1	Effect of A site and B site doping on structural, thermal, and dielectric properties of BiFeO ₃ ceramics. Journal of Alloys and Compounds, 2011, 509, 8421-8426.	5.5	154
2	Dielectric relaxation behavior of A _x Co _{1-x} Fe ₂ O ₄ (A=Zn, Mg) mixed ferrites. Journal of Alloys and Compounds, 2012, 526, 91-97.	5.5	135
3	Crystal structure refinement of Bi _{1-x} Nd _x FeO ₃ multiferroic by the Rietveld method. Ceramics International, 2012, 38, 3935-3942.	4.8	133
4	Effect of Zn and Mg doping on structural, dielectric and magnetic properties of tetragonal CuFe ₂ O ₄ . Current Applied Physics, 2013, 13, 467-473.	2.4	122
5	Substitutional effect on structural and magnetic properties of A _x Co _{1-x} Fe ₂ O ₄ (A=Zn, Mg and x=0.0, 0.25, 0.5, 0.75, 1.0) mixed ferrites. Journal of Applied Physics, 2013, 114, 074102.	3.6	121
6	Structural, elastic, thermodynamic and electronic properties of LuX (X = N, Bi and Sb) compounds: first principles calculations. Phase Transitions, 2016, 89, 1236-1252.	1.3	115
7	Substitutional effect on structural and dielectric properties of Ni _{1-x} A _x Fe ₂ O ₄ (A=Zn, Mg, Zn) mixed spinel ferrites. Materials Chemistry and Physics, 2013, 140, 412-418.	4.0	114
8	Structural, vibrational and dielectric study of Ni doped spinel Co ferrites: Co _{1-x} Ni _x Fe ₂ O ₄ (x=0.0, 0.5, 1.0). Journal of Applied Physics, 2013, 114, 074102.	4.8	106
9	Structural and vibrational properties of Zn _x Mn _{1-x} Fe ₂ O ₄ (x=0.0, 0.25, 0.50, 0.75, 1.0) mixed ferrites. Materials Chemistry and Physics, 2011, 131, 413-419.	4.0	90
10	Structural, magnetic and dielectric properties of Pr-modified BiFeO ₃ multiferroic. Journal of Alloys and Compounds, 2014, 584, 232-239.	5.5	83
11	Structural stabilities, elastic and thermodynamic properties of Scandium Chalcogenides via first-principles calculations. Computational Materials Science, 2011, 50, 3123-3130.	3.0	61
12	Magnetic and structural properties of pure and Cr-doped haematite: Fe _{1-x} Cr _x O ₃ (0 ≤ x ≤ 1). Journal of Advanced Ceramics, 2013, 2, 360-369.	17.4	54
13	Effect of d-block element Co ²⁺ substitution on structural, Mössbauer and dielectric properties of spinel copper ferrites. Journal of Magnetism and Magnetic Materials, 2017, 436, 101-112.	2.3	52
14	Influence of transition metal Cr ²⁺ doping on structural, electrical and optical properties of Mg-Zn aluminates. Journal of Alloys and Compounds, 2017, 708, 397-403.	5.5	48
15	Pressure induced structural phase transition and elastic properties in BSb, AlSb, GaSb and InSb compounds. Physica B: Condensed Matter, 2010, 405, 1663-1676.	2.7	47
16	Structural and Electrical conductivity of Mn doped Hematite (Fe _{1-x} Mn _x O ₃) phase. Journal of Molecular Structure, 2011, 995, 157-162.	3.6	47
17	Structural phase transition and elastic properties of ZnSe at high pressure. Phase Transitions, 2004, 77, 1075-1091.	1.3	45
18	Structural, thermal, and transport properties of La _{0.67} Sr _{0.33} MnO ₃ nanoparticles synthesized via the sol-gel auto-combustion technique. RSC Advances, 2018, 8, 1600-1609.	3.6	45

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19	Structural, Raman and dielectric behavior in $\text{Bi}_{1-x}\text{Sr}_x\text{FeO}_3$ multiferroic. Journal of Molecular Structure, 2013, 1038, 242-249.	3.6	44
20	Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co_2MnZ ($Z = \text{Al}$), $\text{ETQqO O O rgBT /Overlock 10 Tf}$ 809-817.	1.8	41
21	Phase transformation and elastic behavior of MgX ($X=\text{S}, \text{Se}, \text{Te}$) alkaline earth chalcogenides. Journal of Physics and Chemistry of Solids, 2008, 69, 60-69.	4.0	39
22	$\text{B1} \leftrightarrow \text{B2}$ structural phase transition and elastic properties of UX ($X = \text{S}, \text{Se}, \text{and Te}$) compounds at high pressure. Journal of Physics Condensed Matter, 2007, 19, 236204.	1.8	38
23	Structural properties and electrical resistivity of Na-substituted lanthanum manganites: $\text{La}_{1-x}\text{Na}_x\text{MnO}_{3+y}$ ($x=0.1, 0.125$ and 0.15). Journal of Alloys and Compounds, 2011, 509, 7447-7457.	5.5	38
24	Improved dielectric and ferroelectric properties of dual-site substituted rhombohedral structured BiFeO_3 multiferroics. Journal of Alloys and Compounds, 2016, 682, 418-423.	5.5	38
25	High pressure structural ($\text{B1} \leftrightarrow \text{B2}$) phase transition and elastic properties of $\text{II} \leftrightarrow \text{VI}$ semiconducting Sr chalcogens. Computational Materials Science, 2008, 41, 529-537.	3.0	37
26	Pressure induced mechanical properties of boron based pnictides. Solid State Sciences, 2010, 12, 864-872.	3.2	37
27	Structure and electrical resistivity of $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ ($0.25 \leq x \leq 0.35$) perovskites. Journal of Alloys and Compounds, 2012, 513, 256-265.	5.5	37
28	Effect of Pr substitution on structural and electrical properties of BiFeO_3 ceramics. Materials Chemistry and Physics, 2014, 143, 629-636.	4.0	37
29	High-pressure induced structural phase transition in alkaline earth CaX ($X=\text{S}, \text{Se}$ and Te) semiconductors: NaCl-type (B1) to CsCl-type (B2). Journal of Alloys and Compounds, 2009, 484, 239-245.	5.5	36
30	Effect of La and Ni substitution on structure, dielectric and ferroelectric properties of BiFeO_3 ceramics. Ceramics International, 2016, 42, 14805-14812.	4.8	36
31	Study of Elastic Properties and Their Pressure Dependence of Semi Magnetic Semiconductors. Journal of the Physical Society of Japan, 2005, 74, 382-388.	1.6	35
32	Elastic, mechanical and thermodynamic properties at high pressures and temperatures of transition metal monocarbides. International Journal of Refractory Metals and Hard Materials, 2013, 41, 375-401.	3.8	35
33	Structural properties and electrical resistivity behaviour of $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ ($x=0.1, 0.125$ and 0.15) manganites. Materials Chemistry and Physics, 2012, 134, 886-898.	4.0	34
34	Structural phase transition (zincblende \leftrightarrow rocksalt) and elastic properties in AlY ($Y=\text{N}, \text{P}$ and As) compounds: Pressure-induced effects. Journal of Physics and Chemistry of Solids, 2009, 70, 451-458.	4.0	33
35	High-pressure structural phase transition and elastic properties of yttrium pnictides. High Pressure Research, 2008, 28, 651-663.	1.2	32
36	Study of elastic properties and their pressure dependence of lanthanum monochalcogenides. High Pressure Research, 2005, 25, 145-157.	1.2	31

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37	Structural and transport properties of stoichiometric and Cu ²⁺ -doped magnetite: Fe ₃ ·xCuO ₄ . <i>Materials Chemistry and Physics</i> , 2010, 123, 434-438.	4.0	31
38	Effect of stirring time on size and dielectric properties of SnO ₂ nanoparticles prepared by co-precipitation method. <i>Journal of Molecular Structure</i> , 2013, 1034, 216-222.	3.6	31
39	Elastic and thermodynamical properties of cubic (3C) silicon carbide under high pressure and high temperature. <i>Iranian Physical Journal</i> , 2015, 9, 221-249.	1.2	30
40	Interpretation of temperature-dependent resistivity of La _{0.7} Ba _{0.3} MnO ₃ manganites. <i>Journal of Alloys and Compounds</i> , 2009, 486, 726-732.	5.5	29
41	Structural properties and Raman spectroscopy of rhombohedral La _{1-x} NaxMnO ₃ (0.075 ≤ x ≤ 0.15). <i>Journal of Molecular Structure</i> , 2013, 1031, 104-109.	3.6	29
42	Structural and magneto-transport properties of (1-x)La _{0.67} Sr _{0.33} MnO ₃ (LSMO) + (x)BaTiO ₃ (BTO) composites. <i>Journal of Alloys and Compounds</i> , 2015, 619, 122-130.	5.5	29
43	Structural and Dielectric Properties of Copper-Substituted Mg-Zn Spinel Ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1297-1302.	1.8	28
44	Pressure dependent elastic and structural (B ₃ -B ₁) properties of Ga based monopnictides. <i>Journal of Alloys and Compounds</i> , 2010, 495, 23-32.	5.5	27
45	Interpretation of metallic and semiconducting temperature-dependent resistivity of La _{1-x} NaxMnO ₃ (x=0.07, 0.13) manganites. <i>Computational Materials Science</i> , 2010, 47, 839-847.	3.0	27
46	Synthesis, structural, Raman spectroscopic and paramagnetic properties of Sn doped NiO nanoparticles. <i>Superlattices and Microstructures</i> , 2015, 86, 430-437.	3.1	27
47	Structural and dielectric studies of hexagonal ZnO nanoparticles. <i>Optik</i> , 2015, 126, 4232-4236.	2.9	27
48	Structural phase transition in lanthanum monochalcogenides induced by hydrostatic pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3179-3184.	1.5	26
49	Pressure induced structural phase transition and elastic behavior of Y and Sc antimonides. <i>Journal of Alloys and Compounds</i> , 2008, 448, 250-256.	5.5	26
50	Effect of Fe and Co doping on electrical and thermal properties of La _{0.5} Ce _{0.5} Mn _{1-x} (Fe, Co)O ₃ manganites. <i>Materials Research Bulletin</i> , 2013, 48, 4606-4613.	5.2	26
51	Effect of d-block element substitution on structural and dielectric properties on iron cobaltite. <i>Journal of Alloys and Compounds</i> , 2017, 705, 320-326.	5.5	25
52	Dielectric relaxation behavior and impedance studies of Cu ²⁺ ion doped Mg-Zn spinel nanoferrites. <i>Solid State Communications</i> , 2018, 271, 89-96.	1.9	25
53	Interpretation of temperature-dependent resistivity of electron-doped cuprates. <i>Superconductor Science and Technology</i> , 2002, 15, 1119-1126.	3.5	24
54	Analysis of in-plane thermal conductivity anomalies in YBa ₂ Cu ₃ O _{7-δ} cuprate superconductors. <i>New Journal of Physics</i> , 2003, 5, 72-72.	2.9	24

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55	Structural and transport properties of stoichiometric Mn ²⁺ -doped magnetite: Fe ₃ ~xMn _x O ₄ . Materials Chemistry and Physics, 2011, 128, 489-494.	4.0	24
56	Effect of sintering temperature on structure and multiferroic properties of Bi _{0.825} Sm _{0.175} FeO ₃ ceramics. Materials Chemistry and Physics, 2015, 162, 469-476.	4.0	23
57	Effect of electron/hole doping on the transport properties of lanthanum manganites LaMnO ₃ . Journal of Physics Condensed Matter, 2007, 19, 246211.	1.8	22
58	Effects of A-site disorder on magnetic, electrical and thermal properties of La _{0.5} ~Ln Ca _{0.5} ~Sr MnO ₃ manganites. Journal of Magnetism and Magnetic Materials, 2011, 323, 316-323.	2.3	22
59	Relativistic self-focusing of a laser beam in an inhomogeneous plasma. Journal of Plasma Physics, 2006, 72, 195.	2.1	21
60	Electrical resistivity of the hole doped La _{0.8} Sr _{0.2} MnO ₃ manganites: Role of electron~phonon, electron~magnon interactions. Materials Chemistry and Physics, 2011, 129, 896-904.	4.0	21
61	Structural, electrical and magnetic properties of Bi _{0.825} Pb _{0.175} FeO ₃ , and Bi _{0.725} La _{0.1} Pb _{0.175} FeO ₃ multiferroics. Materials Research Bulletin, 2014, 49, 345-351.	5.2	21
62	Pairing mechanism and superconducting state parameters of cubic perovskite Ba _{0.6} K _{0.4} BiO ₃ . Journal of Physics and Chemistry of Solids, 2000, 61, 683-688.	4.0	20
63	Electrical resistivity of alkali metal doped manganites La _x A _y MnO ₃ (A=Na, K, Rb): Role of electron~phonon, electron~magnon and electron~magnon interactions. Current Applied Physics, 2013, 13, 1188-1198.	2.4	20
64	First-principles investigation on structural, elastic, electronic and thermodynamic properties of filled skutterudite PrFe ₄ P ₁₂ compound for thermoelectric applications. Molecular Simulation, 2014, 40, 1236-1243.	2.0	20
65	Pressure induced B ₃ ~B ₁ structural phase transformation and elastic properties of semi-magnetic semiconductors Zn ₁ ~M _x Se (M = Mn, Fe and Cd). Journal of Physics Condensed Matter, 2008, 20, 075204.	1.8	19
66	Substitutional effects on structural and magnetotransport properties of La _{0.85} ~xSm _x K _{0.15} MnO ₃ (x=0.05, 0.1 and 0.15). Journal of Alloys and Compounds, 2014, 589, 558-567.	5.5	19
67	Structural, electronic and thermodynamic properties of half-metallic Co ₂ CrZ (Z=Ga, Ge and As) alloys: First-principles calculations. Materials Science in Semiconductor Processing, 2015, 38, 126-136.	4.0	19
68	Superconducting transition temperature, isotope and pressure effect in MgB ₂ : phonon and charge fluctuation-mediated pairing mechanism. Superconductor Science and Technology, 2004, 17, 1446-1457.	3.5	18
69	Rare earth (La) and metal ion (Pb) substitution induced structural and multiferroic properties of bismuth ferrite. Journal of Advanced Ceramics, 2015, 4, 292-299.	17.4	18
70	Structural phase transition and elastic properties of mercury chalcogenides. Materials Chemistry and Physics, 2012, 135, 365-384.	4.0	17
71	Structural and electrical properties of Pr ₁ ~xSr _x MnO ₃ (x=0.25, 0.3, 0.35 and 0.4) manganites. Materials Science in Semiconductor Processing, 2014, 27, 418-426.	4.0	17
72	Cu doping effect of hematite (Fe ₂ ~xCu _x O ₃): Effect on the structural and magnetic properties. Materials Science in Semiconductor Processing, 2014, 21, 38-44.	4.0	17

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73	Structural and transport properties of $\text{La}_{1-x}\text{Ag}_x\text{MnO}_3$ ($x=0.075, 0.1, 0.125$ and 0.15) manganites. <i>Materials Science in Semiconductor Processing</i> , 2015, 35, 10-21.	4.0	17
74	On the synthesis, structural, optical and magnetic properties of nano-size Zn/MgO . <i>Superlattices and Microstructures</i> , 2015, 85, 886-893.	3.1	17
75	Interpretation of Temperature-Dependent Resistivity of $\text{La}_{1-x}\text{Pb}_x\text{MnO}_3$: Role of Electron-Phonon Interaction. <i>Journal of Low Temperature Physics</i> , 2005, 141, 165-178.	1.4	16
76	Effect of impurity scatterers on phonon, electron and magnon thermal transport in electron doped cuprate superconductors. <i>Superconductor Science and Technology</i> , 2006, 19, 433-444.	3.5	16
77	Influence of Cr and Mn substitution on the structural and spectroscopic properties of doped haematite: $\text{La}_{1-x}\text{Fe}_x\text{MnO}_3$ ($0.0 \leq x \leq 0.50$). <i>Journal of Molecular Structure</i> , 2013, 1052, 105-111.	3.6	16
78	Structural, vibrational and dielectric behavior of $\text{Co}_{1-x}\text{M}_x\text{Cr}_2\text{O}_4$ ($\text{M}=\text{Zn, Mg, Cu}$ and $x=0.0, 0.5$) spinel chromites. <i>Journal of Alloys and Compounds</i> , 2017, 725, 415-424.	5.5	16
79	Pressure dependence of elastic properties of ZnX ($X = \text{Se, S}$ and Te): Role of charge transfer. <i>Bulletin of Materials Science</i> , 2005, 28, 651-661.	1.7	15
80	Metallic and semi-conducting resistivity behaviour of $\text{La}_{0.7}\text{Ca}_{0.3-x}\text{K}_x\text{MnO}_3$ ($x=0.05, 0.1$) manganites. <i>Iranian Physical Journal</i> , 2015, 9, 45-58.	1.2	15
81	Effect Of La And Pb Substitution On Structural And Electrical Properties Of Parent And La/Pb Co Doped BiFeO_3 multiferroic. <i>Advanced Materials Letters</i> , 2014, 5, 71-74.	0.6	15
82	Pressure induced B3-B1 structural phase transition and elastic properties of monpnictides $\text{In}_x\text{X}_{1-x}$ ($x = \text{N, P, As}$). <i>Phase Transitions</i> , 2008, 81, 525-535.	1.3	14
83	Pressure and doping dependent elastic and thermodynamical properties of $\text{Ga}_{1-x}\text{In}_x\text{P}$ mixed valent compounds. <i>Materials Research Bulletin</i> , 2010, 45, 916-926.	5.2	14
84	High pressure phase transition and variation of elastic constants of diluted magnetic semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3374-3380.	1.5	13
85	Elucidation of structural, vibrational and dielectric properties of transition metal (Co^{2+}) doped spinel Mg-Zn chromites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 454, 274-288.	2.3	13
86	Room temperature structure vibrational and dielectric properties of Ho modified YMnO_3 . <i>Materials Research Express</i> , 2015, 2, 076102.	1.6	12
87	Microstructural properties, electrical behavior and low field magnetoresistance of $(1-x)\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ (LSMO)+ x) $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ (NZFO) composites. <i>Solid State Communications</i> , 2015, 224, 24-33.	1.9	12
88	Structural Transition and Enhanced Ferromagnetic Properties of La, Nd, Gd, and Dy-Doped BiFeO_3 Ceramics. <i>Journal of Electronic Materials</i> , 2015, 44, 4354-4366.	2.2	12
89	Structural and optical studies of nanocrystalline ZnCr_2O_4 and CoCr_2O_4 spinel. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	12
90	Impact of Rare Earth Gd^{3+} Ions on Structural and Magnetic Properties of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Spinel Ferrite: Useful for Advanced Spintronic Technologies. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 1173-1182.	1.8	12

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91	Pressure induced phase transition ($B_1 \leftrightarrow B_2$) and elastic properties in alkaline earth BaX ($X = S, Se$ and Te) chalcogenides. <i>Phase Transitions</i> , 2008, 81, 1-16.	1.3	11
92	Pressure and temperature dependent elastic, mechanical and thermodynamical properties of nuclear fuel: UO_2 and UN_2 . <i>Journal of Nuclear Materials</i> , 2013, 440, 344-365.	2.7	11
93	Structural and Raman scattering study of Ni-doped $CoFe_2O_4$. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	11
94	Structural and Ferroic Properties of La, Nd, and Dy Doped $BiFeO_3$ Ceramics. <i>Journal of Ceramics</i> , 2015, 2015, 1-8.	0.9	11
95	High-pressure and temperature-induced structural, elastic, and thermodynamical properties of strontium chalcogenides. <i>Iranian Physical Journal</i> , 2016, 10, 163-193.	1.2	11
96	Relativistic self-focusing of a rippled laser beam in a plasma. <i>Journal of Plasma Physics</i> , 1999, 62, 389-396.	2.1	10
97	Pressure-induced $B_1 \leftrightarrow B_2$ structural phase transition and elastic properties of $U_{1-x}La_xS$ solid solution. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 346212.	1.8	10
98	Numerical Analysis of Heat Transport Behavior in the Ferromagnetic Metallic State of $La_{0.8}Ca_{0.2}MnO_3$ Manganites. <i>Journal of Low Temperature Physics</i> , 2007, 147, 7-30.	1.4	10
99	HIGH-PRESSURE INDUCED STRUCTURAL PHASE TRANSITION AND ELASTIC PROPERTIES OF DILUTED MAGNETIC SEMICONDUCTORS $Zn_{1-x}Mn_xSe$. <i>International Journal of Modern Physics B</i> , 2008, 22, 2749-2767.	2.0	10
100	Interpretation of Thermal Conductivity in the Ferromagnetic Metallic Phase of $La_{0.83}Sr_{0.17}MnO_3$ Manganites: Scattering of Phonons and Magnons. <i>Journal of Low Temperature Physics</i> , 2009, 155, 177-199.	1.4	10
101	Interpretation of metallic and semiconducting temperature dependent resistivity of $La_{0.91}Rb_{0.06}Mn_{0.94}O_3$ manganites. <i>Solid State Sciences</i> , 2011, 13, 1623-1632.	3.2	10
102	Influence of Ce Doping on Structural and Transport Properties of $Ca_{1-x}Ce_xMnO_3$ ($x=0.2$) Manganite. <i>Journal of Low Temperature Physics</i> , 2011, 162, 52-61.	1.4	10
103	Pressure dependent mechanical properties of europium mono chalcogenides under high pressure. <i>Computational Materials Science</i> , 2012, 61, 158-179.	3.0	10
104	Structural, vibrational and magnetic properties of Ti substituted bulk hematite: $Fe_{2-x}Ti_xO_3$. <i>Journal of Advanced Ceramics</i> , 2014, 3, 269-277.	17.4	10
105	Structural and magnetotransport studies of magnetic ion doping for monovalent-doped $LaMnO_3$ manganites. <i>Journal of Materials Research</i> , 2014, 29, 1183-1198.	2.6	10
106	Enhanced magnetic response in single-phase $Bi_{0.8}La_{0.15}A_{0.05}FeO_3$ ($A=Ca, Sr, Ba$) ceramics. <i>Solid State Communications</i> , 2015, 220, 6-11.	1.9	10
107	Structural, electronic, optical, thermodynamic and elastic properties of the zinc-blende $Al_xIn_{1-x}N$ ternary alloys: A first principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 36-49.	4.0	10
108	High-pressure structural phase transition and electronic properties of the alkali hydrides compounds XH ($X = Li, Na$). <i>Phase Transitions</i> , 2017, 90, 914-927.	1.3	9

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109	Structural and multiferroic properties of Bi _{0.885} Sm _{0.115} FeO ₃ . Journal of Alloys and Compounds, 2017, 706, 609-615.	5.5	9
110	Structures and properties of Mg _{0.95} Mn _{0.01} TM _{0.04} O (TM = Co, Ni). Journal of Materials Science, 2017, 52, 14120-14128.	3.6	9
111	Crystal structure, phonon modes and dielectric properties of 3d Cu ²⁺ ion doped multiferroic Co _{1-x} Cu _x Cr ₂ O ₄ (x=0.0, 0.5) chromites. Materials Research Express, 2017, 4, 076110.	1.6	8
112	Specific heat studies in Ho-Ba-CuO superconductors: Fermionic and bosonic contributions. Bulletin of Materials Science, 2000, 23, 267-272.	1.7	7
113	Structural, electrical and magnetoresistance of titanium-doped iron (II,III) oxide (Fe ₃ O ₄) thin films deposited on strontium titanate, alumina, silicon, and Float Glass. Materials Science in Semiconductor Processing, 2014, 26, 33-40.	4.0	7
114	Influence of divalent metal cation Zinc doping on the structural and magnetic characterization of hematite: Fe ₂ O ₃ . Journal of Molecular Structure, 2014, 1075, 1-6.	3.6	7
115	Structural and optical properties of Ni substituted CaCu ₃ Ti ₄ NiO ₁₂ . Optik, 2015, 126, 3437-3441.	2.9	7
116	Coherence lengths and magnetic penetration depths in YBa ₂ Cu ₃ O ₇ and YBa ₂ Cu ₄ O ₈ superconductors. Journal of Superconductivity and Novel Magnetism, 1996, 9, 629-635.	0.5	6
117	THERMAL TRANSPORT OF MgB ₂ SUPERCONDUCTORS: INTERPLAY BETWEEN ELECTRON AND LATTICE-IMPURITY SCATTERING. International Journal of Modern Physics B, 2007, 21, 4517-4536.	2.0	6
118	Thermal rectification via sequential deactivation of magnons. Applied Physics Letters, 2018, 113, .	3.3	6
119	Plasmon-Phonon Pairing Mechanism and Superconducting State Parameters in Layered Mercury Cuprates. Journal of Superconductivity and Novel Magnetism, 2000, 13, 593-601.	0.5	5
120	Propagation modes and regimes of intense laser beam in magnetized plasma. Journal of Modern Optics, 2009, 56, 2368-2376.	1.3	5
121	Effect of self-generated axial magnetic field and on propagation of intense laser radiation in plasmas. Journal of Modern Optics, 2009, 56, 1613-1620.	1.3	5
122	Structural, transport and spectroscopic properties of Ti ⁴⁺ substituted magnetite: Fe _{3-x} Ti _x O ₄ . Materials Chemistry and Physics, 2012, 133, 103-109.	4.0	5
123	Electrical transport in the ferromagnetic and paramagnetic state of potassium-substituted manganites La _{1-x} K _x MnO ₃ (x=0.05, 0.1 and 0.15). Journal of Materials Science, 2013, 48, 5904-5916.	3.7	5
124	Phonon, magnon and electron contributions to low temperature specific heat in metallic state of La _{0.85} Sr _{0.15} MnO ₃ and Er _{0.8} Y _{0.2} MnO ₃ manganites. Bulletin of Materials Science, 2013, 36, 1255-1260.	1.7	5
125	Relativistic Propagation of Linearly/Circularly Polarized Laser Radiation in Plasmas. , 2013, 2013, 1-8.		5
126	Structural and electrical transport properties of Zn Fe ₃ O ₄ thin film deposited on Si (1 1 1) by pulsed-laser deposition. Optik, 2014, 125, 6629-6633.	2.9	5

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127	Mechanically induced stiffening, thermally driven softening, and brittle nature of SiC. Journal of Advanced Ceramics, 2016, 5, 13-34.	17.4	5
128	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2002, 15, 281-293.	0.5	4
129	Superconductivity and electrical resistivity in alkali metal doped fullerides: Phonon mechanism. Bulletin of Materials Science, 2005, 28, 155-171.	1.7	4
130	LOW TEMPERATURE SPECIFIC HEAT ANALYSIS OF LaMnO ₃ + \hat{I} MANGANITES. International Journal of Modern Physics B, 2006, 20, 4785-4797.	2.0	4
131	EFFECT OF EMBEDDING NANOPARTICLES ON THERMAL CONDUCTIVITY OF CRYSTALLINE SEMICONDUCTORS: PHONON SCATTERING MECHANISM. International Journal of Nanoscience, 2009, 08, 551-556.	0.7	4
132	The anomalous penetration of intense circularly polarized electromagnetic beam through overdense magnetized plasma. Optik, 2012, 123, 67-72.	2.9	4
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