

Netram Kaurav

List of Publications by Year in descending order

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145
papers

1,271
citations

304743

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h-index

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32
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145
all docs

145
docs citations

145
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of stoichiometry on the structural, thermal and electronic properties of thermally decomposed nickel oxide. RSC Advances, 2018, 8, 5882-5890.	3.6	135
2	Air toxics in ambient air of Delhi. Atmospheric Environment, 2005, 39, 59-71.	4.1	88
3	Structural phase transition and elastic properties of ZnSe at high pressure. Phase Transitions, 2004, 77, 1075-1091.	1.3	45
4	Phase transformation and elastic behavior of MgX (X=S, Se, Te) alkaline earth chalcogenides. Journal of Physics and Chemistry of Solids, 2008, 69, 60-69.	4.0	39
5	B1 \leftrightarrow B2 structural phase transition and elastic properties of UX (X = S, Se, and Te) compounds at high pressure. Journal of Physics Condensed Matter, 2007, 19, 236204.	1.8	38
6	High pressure structural (B1 \leftrightarrow B2) phase transition and elastic properties of II \leftrightarrow VI semiconducting Sr chalcogens. Computational Materials Science, 2008, 41, 529-537.	3.0	37
7	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
8	Dielectric, magnetic, and thermodynamic properties of Y _{1-x} Sr _x MnO ₃ (x=0.1 and 0.2). Journal of Applied Physics, 2012, 112, .	2.5	35
9	Structural phase transition (zincblende \leftrightarrow rocksalt) and elastic properties in AIY (Y=N, P and As) compounds: Pressure-induced effects. Journal of Physics and Chemistry of Solids, 2009, 70, 451-458.	4.0	33
10	High-pressure structural phase transition and elastic properties of yttrium pnictides. High Pressure Research, 2008, 28, 651-663.	1.2	32
11	Study of elastic properties and their pressure dependence of lanthanum monochalcogenides. High Pressure Research, 2005, 25, 145-157.	1.2	31
12	Seebeck coefficient of Na _x CoO ₂ : Measurements and a narrow-band model. Physical Review B, 2009, 79, .	3.2	29
13	High pressure phase transition and elastic properties of thorium chalcogenides. Journal of Physics and Chemistry of Solids, 2002, 63, 821-826.	4.0	28
14	Electrical and thermal properties of Pr _{2/3} (Ba _{1-x} Cs _x) _{1/3} MnO ₃ manganites. European Physical Journal B, 2008, 65, 179-186.	1.5	28
15	Enhancement in the thermoelectric performance by Y substitution on SrSi ₂ . Applied Physics Letters, 2009, 94, 192105.	3.3	28
16	Structural phase transition in lanthanum monochalcogenides induced by hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3179-3184.	1.5	26
17	Pressure induced structural phase transition and elastic behavior of Y and Sc antimonides. Journal of Alloys and Compounds, 2008, 448, 250-256.	5.5	26
18	Size-Induced Structural Phase Transition at \sim 4.0 nm from Mixed fcc \leftrightarrow hcp to Purely fcc Structure in Monodispersed Nickel Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 28354-28362.	3.1	26

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19	Analysis of low temperature specific heat in the ferromagnetic state of the Ca-doped manganites. European Physical Journal B, 2003, 37, 301-309.	1.5	24
20	Thermal properties of $\text{La}_{2/3}\text{Ba}_{1/3}(\text{Mn}_{1-x}\text{Sbx})\text{O}_3$ manganites. Physica B: Condensed Matter, 2010, 405, 1-4.	2.7	24
21	Electrical resistivity in the ferromagnetic metallic state of La-Ca-MnO_3 : Role of electron-phonon interaction. European Physical Journal B, 2004, 40, 129-136.	1.5	23
22	Naturally self-assembled nickel nanolattice. Journal of Materials Chemistry C, 2014, 2, 8918-8924.	5.5	23
23	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
24	Effects of A-site disorder on magnetic, electrical and thermal properties of $\text{La}_{0.5}\text{Ln}_{0.5}\text{SrMnO}_3$ manganites. Journal of Magnetism and Magnetic Materials, 2011, 323, 316-323.	2.3	22
25	Influence of Ce doping on electrical and thermal properties of $\text{La}_{0.7}\text{Ce}_x\text{Ca}_{0.3}\text{MnO}_3$ ($0.0 \leq x \leq 0.7$) manganites. Journal of Magnetism and Magnetic Materials, 2012, 324, 3276-3285.	2.3	22
26	High-pressure phase transformation and elastic behavior of XC ($\text{X} = \text{Si, Ge, Sn and Pt}$) compounds. Physica Scripta, 2013, 88, 015604.	2.5	20
27	Pressure induced B_3B_1 structural phase transformation and elastic properties of semi-magnetic semiconductors $\text{Zn}_{1-x}\text{MxSe}$ ($\text{M} = \text{Mn, Fe and Cd}$). Journal of Physics Condensed Matter, 2008, 20, 075204.	1.8	19
28	Magnetotransport, thermoelectric power, thermal conductivity and specific heat of $\text{Pr}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ manganite. Journal of Applied Physics, 2008, 104, .	2.5	17
29	Size-dependent resistivity and thermopower of nanocrystalline copper. Journal of Applied Physics, 2011, 110, 023713.	2.5	17
30	Interpretation of Temperature-Dependent Resistivity of LaPbMnO_3 : Role of Electron-Phonon Interaction. Journal of Low Temperature Physics, 2005, 141, 165-178.	1.4	16
31	Development of an acetanilide/benzoic acid eutectic phase change material based thermal energy storage unit for a passive water heating system. Bulletin of Materials Science, 2019, 42, 1.	1.7	16
32	Pressure dependence of elastic properties of ZnX ($\text{X} = \text{Se, S and Te}$): Role of charge transfer. Bulletin of Materials Science, 2005, 28, 651-661.	1.7	15
33	Pressure induced $\text{B}_3\text{-B}_1$ structural phase transition and elastic properties of monpnictides $\text{In}_x\text{X}_{1-x}$ ($\text{X} = \text{N, P, As}$). Phase Transitions, 2008, 81, 525-535.	1.3	14
34	Triocetylphosphine as self-assembly inducer. Faraday Discussions, 2015, 181, 211-223.	3.2	14
35	High pressure phase transition and variation of elastic constants of diluted magnetic semiconductors. Physica Status Solidi (B): Basic Research, 2004, 241, 3374-3380.	1.5	13
36	Transport properties of Ti-Zr-Ni quasicrystalline and glassy alloys. Journal of Applied Physics, 2008, 104, 063705.	2.5	12

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37	Synthesis and thermogravimetric analysis of non-stoichiometric nickel oxide compounds. Journal of Physics: Conference Series, 2017, 836, 012040.	0.4	12
38	Pressure induced phase transition ($B1 \leftrightarrow B2$) and elastic properties in alkaline earth BaX ($X = S, Se$ and Te) chalcogenides. Phase Transitions, 2008, 81, 1-16.	1.3	11
39	Pressure-induced $B1 \leftrightarrow B2$ structural phase transition and elastic properties of $U_{1-x}La_xS$ solid solution. Journal of Physics Condensed Matter, 2007, 19, 346212.	1.8	10
40	Numerical Analysis of Heat Transport Behavior in the Ferromagnetic Metallic State of $La_{0.80}Ca_{0.20}MnO_3$ Manganites. Journal of Low Temperature Physics, 2007, 147, 7-30.	1.4	10
41	HIGH-PRESSURE INDUCED STRUCTURAL PHASE TRANSITION AND ELASTIC PROPERTIES OF DILUTED MAGNETIC SEMICONDUCTORS $Zn_{1-x}Mn_xSe$. International Journal of Modern Physics B, 2008, 22, 2749-2767.	2.0	10
42	Interpretation of Thermal Conductivity in the Ferromagnetic Metallic Phase of $La_{0.83}Sr_{0.17}MnO_3$ Manganites: Scattering of Phonons and Magnons. Journal of Low Temperature Physics, 2009, 155, 177-199.	1.4	10
43	The effect of Al/Si ratio on the transport properties of the layered intermetallic compound $CaAl_2Si_2$. Journal of Physics Condensed Matter, 2007, 19, 176206.	1.8	9
44	Electrical properties of A^{2+} -B-site substituted Ni-deficient $La(Ni_{0.6}Fe_{0.3})O_3$ perovskites with $A = Ag^+, Pb^{2+}, Nd^{3+}$ and $B = Mn^{3+}, Ga^{3+}$. Journal of Applied Physics, 2008, 103, 093716.	2.5	9
45	Crystal structure and electronic and thermal properties of $TbFeAsO_{0.85}$. Applied Physics Letters, 2009, 94, 192507.	3.3	9
46	Quantum size effect on the heat capacity of nickel nanolattice. Applied Physics Letters, 2017, 111, .	3.3	7
47	Electrical transport in the normal state of K_3C_{60} fullerides: polaron conduction. Superconductor Science and Technology, 2005, 18, 1259-1265.	3.5	5
48	Synthesis and magnetic properties of nickel nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	5
49	LOW TEMPERATURE SPECIFIC HEAT ANALYSIS OF $LaMnO_3$ MANGANITES. International Journal of Modern Physics B, 2006, 20, 4785-4797.	2.0	4
50	Interpretation of thermoelectric power behaviour of Zinc nanowire composites: Phonon-scattering mechanism. Journal of Physics and Chemistry of Solids, 2010, 71, 47-50.	4.0	4
51	$CaMoO_4:Tb@Fe_3O_4$ hybrid nanoparticles for luminescence and hyperthermia applications. AIP Conference Proceedings, 2013, , .	0.4	4
52	Role of iso-electronic Ru^{5+} in thermal transport behavior of $YMn_{1-x}Ru_xO_3$ compounds. Journal of Alloys and Compounds, 2016, 688, 280-287.	5.5	4
53	Enhancement in specific heat by nanocrystallization: Softening of phonon frequencies mechanism. International Journal of Modern Physics B, 2018, 32, 1850027.	2.0	4
54	Stoichiometric and Nonstoichiometric Compounds. , 0, , .		4

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55	Structural and optical properties of PPO/PVP blended polymer film. Materials Today: Proceedings, 2022, 54, 620-623.	1.8	4
56	Size effect on thermoelectric properties of Bi ₂ Te ₃ nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	3
57	Structural and Raman analysis of double perovskite La ₂ CoTi _{0.7} Ni _{0.3} O ₆ . AIP Conference Proceedings, 2019, , .	0.4	3
58	Measurement and Analysis of Normal-State Transport Properties of FeSe Superconductor. Journal of Low Temperature Physics, 2019, 196, 494-509.	1.4	3
59	Barium (Ba ²⁺) doped Cu-Zn ferrite: Study of structural and optical properties. AIP Conference Proceedings, 2020, , .	0.4	3
60	Effect of Co-doping on the resistivity and thermopower of SmFe _{1-x} Co _x AsO (0.0 ≤ x ≤ 0.3). AIP Advances, 2012, 2, 042137.	1.3	2
61	Electrical properties of strontium doped yttrium manganite oxide. AIP Conference Proceedings, 2013, , .	0.4	2
62	OPTIMIZATION OF THERMOELECTRIC PROPERTIES BY Cu SUBSTITUTION IN LaCoO ₃ CERAMICS. International Journal of Modern Physics B, 2014, 28, 1450065.	2.0	2
63	Transport Properties of Hexagonal YMn _{0.9} Ru _{0.1} O ₃ Compound. Advanced Materials Research, 0, 1047, 151-154.	0.3	2
64	Spin fluctuation and small polaron conduction dominated electrical resistivity in La _{0.875} Sr _{0.125} MnO ₃ manganite nanostructures. Bulletin of Materials Science, 2014, 37, 1095-1100.	1.7	2
65	Synthesis and optical properties of silver nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	2
66	Structural and optical properties of nanostructured nickel. AIP Conference Proceedings, 2016, , .	0.4	2
67	Study of synthesis and optical properties of Cu nanoparticles. Journal of Physics: Conference Series, 2017, 836, 012032.	0.4	2
68	Preparation and characterization of double perovskite La ₂ CoTiO ₆ . AIP Conference Proceedings, 2018, , .	0.4	2
69	B1 to B2 structural phase transition in LiF under pressure. AIP Conference Proceedings, 2018, , .	0.4	2
70	Pressure induced structural phase transition from NaCl-type (B1) to CsCl-type (B2) structure in sodium chloride. AIP Conference Proceedings, 2018, , .	0.4	2
71	Temperature-dependent transport properties of a FeTe compound. Bulletin of Materials Science, 2019, 42, 1.	1.7	2
72	Structural and optical properties of La ₂ NiTiO ₆ double perovskite. AIP Conference Proceedings, 2019, , .	0.4	2

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73	Influence of barium (Ba ²⁺) doping for Cu-Zn ferrites on structural and electrical properties. Materials Today: Proceedings, 2020, 30, 234-237.	1.8	2
74	A study of structural, optical and electrical studies of the composites of ZnFe ₂ O ₄ , BiFeO ₃ and GaFeO ₃ compounds. AIP Conference Proceedings, 2021, , .	0.4	2
75	Role of vibrational optical phonons in the heat capacity of K ₃ C ₆₀ . Synthetic Metals, 2005, 155, 380-383.	3.9	1
76	Interpretation of anomalies in thermal conductivity of Ba _{1-x} K _x BiO ₃ superconductors. Journal of Physics: Conference Series, 2007, 92, 012120.	0.4	1
77	Thermoelectric power of polycrystalline hole and electron doped manganites. Journal of Physics: Conference Series, 2007, 92, 012128.	0.4	1
78	Interpretation of optical conductivity in normal state of Iron-Based Superconductors CeOFeAs. Journal of Physics: Conference Series, 2012, 365, 012027.	0.4	1
79	Structural and transport properties of orthorhombic GdMnO ₃ . , 2013, , .		1
80	Size-dependent thermopower of nickel nanoparticles. AIP Conference Proceedings, 2014, , .	0.4	1
81	Critical roles of capping agents on the electrical resistivity of Ni nanoparticles. , 2014, , .		1
82	Influence of surfactants on the electrical resistivity and thermopower of Ni nanoparticles. Materials Research Express, 2014, 1, 045014.	1.6	1
83	Triethylphosphine and oleylamine induced thermoelectric power of Ag nanoparticles. Journal of Physics: Conference Series, 2014, 534, 012035.	0.4	1
84	Curie-Weiss behavior of Y _{1-x} Sr _x MnO ₃ (x = 0 and 0.03). AIP Conference Proceedings, 2015, , .	0.4	1
85	Synthesis and antibacterial properties of copper nanoparticles for Salmonella typhi. AIP Conference Proceedings, 2016, , .	0.4	1
86	Ferromagnetic interactions in chromium (III) doped YMnO ₃ . AIP Conference Proceedings, 2016, , .	0.4	1
87	Synthesis and characterization of Co nanoparticles. AIP Conference Proceedings, 2017, , .	0.4	1
88	Raman and X-ray diffraction studies of superconducting FeTe _{1-x} Se _x compounds. Journal of Physics: Conference Series, 2017, 836, 012046.	0.4	1
89	Pressure induced structural phase transition in metal nitrides: An effective interionic potential calculations. AIP Conference Proceedings, 2018, , .	0.4	1
90	Seebeck Coefficient Measurement and Its Narrow Band Model Interpretation in FeTe _{0.5} Se _{0.5} Superconductor. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2671-2676.	1.8	1

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91	Nano sized La ₂ Co ₂ O ₆ double perovskite synthesized by sol gel method. AIP Conference Proceedings, 2018, , .	0.4	1
92	Investigation of transport properties of FeTe compound. AIP Conference Proceedings, 2018, , .	0.4	1
93	A-site substituted BiFeO ₃ ceramics: A study of structural and electrical properties. Materials Today: Proceedings, 2021, 46, 2335-2339.	1.8	1
94	Preparation and optical properties of nickel nanoparticles implanted carbon membranes. AIP Conference Proceedings, 2021, , .	0.4	1
95	Composites of ZnFe ₂ O ₄ and GaFeO ₃ : Structural, optical bandgap and morphology studies. AIP Conference Proceedings, 2021, , .	0.4	1
96	Theoretical approach to predict the phase transition of NaH under pressure. Journal of Physics: Conference Series, 2017, 836, 012035.	0.4	1
97	Analysis of Low Temperature Resistivity in the Ferromagnetic Metallic State of Pb-Doped Manganites. AIP Conference Proceedings, 2006, , .	0.4	0
98	High Pressure Structural Phase Transition and Elastic Properties of MgX (X = S, Se, Te) Semiconducting Compounds. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	0
99	Explanation of non-linear in-plane electrical resistivity of YBa ₂ Cu ₄ O ₈ : electron-phonon approach. Journal of Physics: Conference Series, 2007, 92, 012075.	0.4	0
100	EXPLANATION OF OPTICAL CONDUCTIVITY IN THE FERROMAGNETIC METALLIC STATE OF La _{0.7} Ca _{0.3} MnO ₃ MANGANITES. Modern Physics Letters B, 2009, 23, 1085-1099.	1.9	0
101	Interpretation of optical conductivity in the ferromagnetic metallic state of La _{0.7} Ca _{0.3} MnO ₃ manganites. Journal of Physics: Conference Series, 2009, 150, 042226.	0.4	0
102	Thermoelectric power of K ₃ C ₆₀ fullerides: Phonon drag and carrier diffusion contributions. Journal of Physics: Conference Series, 2009, 150, 052037.	0.4	0
103	Electrical, Magnetic and Thermal Transport Behavior of Divalent•Tetravalent Doped LaMnO ₃ Manganites. , 2011, , .		0
104	Spin Fluctuation Mechanism to Normal State Resistivity of Iron-Based Superconductors La[O _x F _x]FeAs. , 2011, , .		0
105	Anomalous Seebeck coefficient of the Na _x CoO ₂ system. , 2011, , .		0
106	Size effect on the pressure induced structural phase transition of the zinc sulfide nanoparticles. , 2012, , .		0
107	Analysis of heat transport in the iron oxyarsenide TbFeAsO _{0.85} . Journal of Physics: Conference Series, 2012, 365, 012025.	0.4	0
108	Pressure induced structural phase transition of XC (X = Si, Ge, Sn). Journal of Physics: Conference Series, 2012, 365, 012024.	0.4	0

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109	Low temperature dielectric properties of $\text{YMn}_{0.95}\text{Ru}_{0.05}\text{O}_3$. , 2013, , .		0
110	Analysis of Thermal Conductivity of LaFeAsO at Low Temperature. <i>Advanced Materials Research</i> , 2014, 1047, 1-3.	0.3	0
111	Structural and Thermal Properties of $\text{YMn}_{1-x}\text{Ru}_x\text{O}_3$. <i>Advanced Materials Research</i> , 0, 975, 69-72.	0.3	0
112	Interpretation of thermoelectric properties of Cu substituted LaCoO_3 ceramics. , 2014, , .		0
113	Interpretation of optical conductivity of zinc oxide nanowires. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
114	Pressure induced structural phase transition in IB transition metal nitrides compounds. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
115	Interpretation of thermal conductivity in LaFeAsO at low temperatures. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
116	FT-IR and Zeta potential measurements on TiO nanoparticles. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
117	High pressure phase transition in group III nitrides compounds. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
118	Raman analysis of non stoichiometric Ni_{1-x}O . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
119	Theoretical analysis of the structural phase transformation in the ZnO under high pressure. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
120	Structural stability and mechanical properties of technetium mononitride (TcN). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
121	Theoretical analysis of the structural phase transformation from B3 to B1 in BeO under high pressure. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
122	Influence of sulfur doping on the electrical and thermal transport properties of $\text{FeTe}_{1-x}\text{S}_x$ superconductors. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 254-259.	4.0	0
123	Polaron formation in normal state optical conductivity of iron-based superconductor. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
124	Structural phase transition and elastic properties of molybdenum nitride. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
125	Synthesis and characterization of ZnO nanoparticles by thermal decomposition method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
126	Structural phase transition and elastic behavior of WN . <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0

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127	Theoretical analysis of the structural phase transition in alkaline earth oxides. AIP Conference Proceedings, 2019, , .	0.4	0
128	Comparative crystallographic study of La ₂ NiTiO ₆ double perovskite structure using crystallographic softwareâ€™s. AIP Conference Proceedings, 2019, , .	0.4	0
129	High pressure structural phase transition and elastic properties of ZnSexTe1âˆ’x semiconducting compounds. International Journal of Modern Physics B, 2019, 33, 1950250.	2.0	0
130	Theoretical analysis of the structural phases of MnO under high pressure. AIP Conference Proceedings, 2019, , .	0.4	0
131	Structural phase transition in lithium bromide: Effect of pressure and temperature. AIP Conference Proceedings, 2019, , .	0.4	0
132	Pressure dependent study of phase transition and elastic constant of KCl and KBr. AIP Conference Proceedings, 2019, , .	0.4	0
133	Interpretation of Raman modes in FeTe and FeTe _{0.9} S _{0.1} compounds. AIP Conference Proceedings, 2019, , .	0.4	0
134	XRD and FTIR studies of zinc doped nickel oxide compounds. AIP Conference Proceedings, 2019, , .	0.4	0
135	Effect of sintering temperature on the dielectric properties of non-stoichiometric nickel oxide. AIP Conference Proceedings, 2019, , .	0.4	0
136	Effect of pressure on structural and elastic properties of Scandium phosphide. AIP Conference Proceedings, 2020, , .	0.4	0
137	Structural phase transition and elastic properties of gallium phosphide semiconducting compound. AIP Conference Proceedings, 2020, , .	0.4	0
138	Effect of pressure on structural and elastic properties of strontium oxide. AIP Conference Proceedings, 2021, , .	0.4	0
139	High-pressure structural phase-transition in BaSe _{1-x} S _x compounds. AIP Conference Proceedings, 2021, , .	0.4	0
140	Study of dielectric properties of non-stoichiometric nickel oxide. AIP Conference Proceedings, 2021, , .	0.4	0
141	Pressure dependent structural phase transition in iron silicide. AIP Conference Proceedings, 2021, , .	0.4	0
142	Synthesis, structural and optical properties of Cr-Doped nickel oxide (NiO). AIP Conference Proceedings, 2021, , .	0.4	0
143	Investigation of structural and optical properties of Fe ³⁺ ion substituted molybdenum oxide. AIP Conference Proceedings, 2021, , .	0.4	0
144	Investigation of heat capacity in Nb doped nickel oxide. Materials Today: Proceedings, 2021, , .	1.8	0

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145	Study of structural phase transition and elastic properties of ZnTe semiconducting compound under high pressure. Materials Today: Proceedings, 2021, , .	1.8	0