Sankar P Sanyal

List of Publications by Year
in descending order

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164	1,302	393982	500791
papers	citations	19 h-index	28 g-index

164	164	164	762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pressure-induced structural phase transformation and elastic properties of transition metal mononitrides. Journal of Physics and Chemistry of Solids, 2007, 68, 148-152.	1.9	51
2	Plutonium chalcogenides and pnictides: pressure induced phase transition and elastic properties. Journal of Alloys and Compounds, 2004, 366, 15-20.	2.8	50
3	HIGH PRESSURE STRUCTURAL PHASE TRANSITION IN ALKALINE EARTH CHALCOGENIDES. Journal of Physics and Chemistry of Solids, 1998, 59, 1633-1637.	1.9	47
4	Theoretical study of structural, electronic, phonon and thermoelectric properties of KScX (X=Sn and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf and Compounds, 2019, 784, 319-329.	2.8	44
5	Lattice dynamics of uranium chalcogenides and pnictides. Physical Review B, 1992, 46, 3664-3667.	1.1	43
6	High-pressure behaviour of lanthanum mono pnictides. Journal of Alloys and Compounds, 2005, 398, 16-20.	2.8	42
7	A lattice dynamical study of the role of pressure on Raman modes in high-Tc HgBa2CuO4. Physica C: Superconductivity and Its Applications, 1996, 261, 259-262.	0.6	36
8	Phonon spectrum and lattice specific heat of the HgBa2CuO4 high-temperature superconductor. Physica C: Superconductivity and Its Applications, 1996, 271, 6-10.	0.6	36
9	Resonance photoemission studies of (111) oriented CeO2 thin film grown on Si (100) substrate by pulsed laser deposition. Journal of Applied Physics, 2010, 108, .	1.1	32
10	Lattice vibrational properties of uranium chalcogenides. Physica B: Condensed Matter, 1995, 216, 125-131.	1.3	31
11	Lattice vibrations in Yb-pnictide compounds. Physical Review B, 1995, 52, 15898-15902.	1.1	31
12	High pressure phase transition and elastic properties of thorium chalcogenides. Journal of Physics and Chemistry of Solids, 2002, 63, 821-826.	1.9	28
13	Three-body-interaction effects on the phase-transition and high-pressure behavior of divalent-metal oxides. Physical Review B, 1987, 35, 5235-5243.	1.1	27
14	First principles electronic and thermal properties of some AlRE intermetallics. Physica B: Condensed Matter, 2008, 403, 3615-3622.	1.3	27
15	Electronic structure studies of Fe doped CeO2 thin films by resonance photoemission spectroscopy. Journal of Applied Physics, 2011, 109, 123706.	1.1	27
16	Theoretical prediction of the electronic structure, bonding behavior and elastic moduli of scandium intermetallics. Intermetallics, 2014, 53, 129-139.	1.8	25
17	Structural Phase Transformation and Equations of State of Calcium Chalcogenides at High Pressure. Physica Status Solidi (B): Basic Research, 1999, 212, 241-246.	0.7	22
18	High pressure behavior and structural properties of transition metal carbides. Phase Transitions, 2009, 82, 576-586.	0.6	22

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19	Electronic, phonon and superconducting properties of LaPtBi half-Heusler compound. Solid State Communications, 2018, 273, 1-4.	0.9	22
20	Pressure-induced electronic and structural phase transformation properties in half-metallic PmN: A first-principles approach. Physica B: Condensed Matter, 2008, 403, 4333-4337.	1.3	21
21	Theoretical investigation on structural, magnetic and electronic properties of ferromagnetic GdN under pressure. Journal of Magnetism and Magnetic Materials, 2009, 321, 607-612.	1.0	21
22	High pressure behavior of NpSe and NpTe. Journal of Physics and Chemistry of Solids, 2003, 64, 127-131.	1.9	20
23	Electronic structure, phase stability and elastic properties of ruthenium based four intermetallic compounds: Ab-initio study. Intermetallics, 2014, 54, 79-85.	1.8	20
24	High pressure structural phase transition and elastic properties of yttrium pnictides. Physica B: Condensed Matter, 2009, 404, 1852-1857.	1.3	19
25	Density functional study of XRh (X=Sc, Y, Ti and Zr) intermetallic compounds. Computational Materials Science, 2014, 89, 205-215.	1.4	17
26	Crystallographic direction dependence of electrical-transport, magneto-transport, magnetic and thermal properties of La 0.7 Ca 0.3 MnO 3 single crystal. Materials Research Bulletin, 2016, 83, 250-258.	2.7	17
27	Pressure induced structural phase transition in MgS and CaS. Journal of Physics and Chemistry of Solids, 1998, 59, 599-603.	1.9	16
28	Pressure induced phase transition in rare earth mono-antimonides. Journal of Physics and Chemistry of Solids, 2005, 66, 1177-1182.	1.9	16
29	High-pressure behaviour and elastic properties of heavy rare-earth Gd monopnictides. Journal of Physics and Chemistry of Solids, 2009, 70, 650-654.	1.9	16
30	Electronic structure and superconducting behaviour of LuPtBi half-Heusler compound: A first principle study. Physica C: Superconductivity and Its Applications, 2018, 544, 22-26.	0.6	16
31	Study of cohesion and thermodynamical properties of fluoriteâ€type AB2 crystals. Journal of Chemical Physics, 1982, 76, 2596-2601.	1.2	15
32	Structural phase transition and elastic properties in rare earth mono-bismuthides. Phase Transitions, 2006, 79, 935-943.	0.6	15
33	Structural phase transition and elastic properties of rare earth nitrides. Indian Journal of Physics, 2010, 84, 1183-1192.	0.9	15
34	Thermoelectric properties of rare-earth based RENi2 (REâ€¯=â€¯Dy, Ho and Er) Laves phase compounds. Journal of Magnetism and Magnetic Materials, 2018, 468, 123-131.	1.0	15
35	Structural and electronic properties of Er-monopnictides under high pressure. Physica B: Condensed Matter, 2010, 405, 2245-2250.	1.3	14
36	Structural, electronic, elastic, mechanical and thermal behavior of RESn3(REÂ=ÂY, La and Ce) compounds: A first principles study. Intermetallics, 2014, 51, 1-10.	1.8	14

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37	Structural phase transition and high-pressure behaviour of curium and uranium monobismuthides. Journal of Physics and Chemistry of Solids, 2003, 64, 1237-1240.	1.9	13
38	Study of high pressure behavior and elastic properties of praseodymium monochalcogenides and monopnictides. Phase Transitions, 2009, 82, 519-530.	0.6	13
39	A theoretical study of structural, elastic and thermal properties of heavy lanthanide monoantimonides. Journal of Physics and Chemistry of Solids, 2010, 71, 1491-1498.	1.9	12
40	Electronic Structure, Electronic Charge Density, and Optical Properties Analysis of GdX₃ (X = In, Sn, Tl, and Pb) Compounds: DFT Calculations. Indian Journal of Materials Science, 2015, 2015, 1-11.	0.6	12
41	Structural properties of some semiconducting LnAs compounds at high pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3193-3197.	0.7	11
42	Pressure-induced phase transitions in some AnS (Anâ€‰=â€‰Th, U, Np, Pu) Compounds. High Pressure Research, 2003, 23, 477-483.	0.4	10
43	First principles calculations of Alâ€rich RE (RE = Ho, Er, Tm and Yb) intermetallic compounds. Physica Status Solidi (B): Basic Research, 2009, 246, 1206-1214.	0.7	10
44	Electronic and thermal properties of B2-type AlRE intermetallic compounds: A first principles study. Physica B: Condensed Matter, 2011, 406, 449-455.	1.3	10
45	Structural phase transition, electronic and superconducting properties of ScBi and YBi. Solid State Communications, 2017, 266, 39-45.	0.9	10
46	Phonon anomalies in uranium chalcogenides. Physica B: Condensed Matter, 1991, 174, 101-104.	1.3	9
47	Phonon anomalies in intermediate valent SmxL1â^'xS. Solid State Communications, 1998, 105, 455-458.	0.9	9
48	On possibility of superconductivity in SnSb: A first principle study. Physica C: Superconductivity and Its Applications, 2016, 528, 56-59.	0.6	9
49	Phonon structure and dynamics of boron nitride single wall nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 244-248.	1.3	8
50	Pressure-induced phase transition and elastic properties of actinide mono-bismuthides. Journal of Nuclear Materials, 2011, 413, 30-35.	1.3	8
51	Enhancement of Temperature and Field Coefficient of Resistance in CSD Grown Nanostructure La_{0.7}Ca_{0.3}MnO₃Thin Films. Journal of Nano Research, 2013, 24, 155-162.	0.8	8
52	Ab-initio study of structural, electronic and elastic properties of cobalt intermetallic compounds. Computational Materials Science, 2015, 98, 226-233.	1.4	8
53	Theoretical calculations of structural, electronic, optical, elastic, and thermal properties of YX3 (XÂ=ÂIn, Sn, Tl, and Pb) compounds based on density functional theory. Journal of Materials Science, 2015, 50, 542-554.	1.7	8
54	Structural phase transition, electronic and elastic properties of rocksalt structure SnAs and SnSb. Solid State Communications, 2016, 243, 16-22.	0.9	8

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55	Investigation of phonon anomalies in intermediate valence compounds SmS and Sm0Â·65Y0Â·25S. Pramana - Journal of Physics, 1994, 43, 193-199.	0.9	7
56	Pressure-induced structural phase transition and electronic properties of RESb (REâ€‰=â€‰Ho, Er and Tm) compounds:ab initiocalculations. Phase Transitions, 2011, 84, 603-612.	0.6	7
57	Ab initio study of structural, electronic, elastic, and phonon properties of ScN and ScP at ambient and high pressure. Physica Status Solidi (B): Basic Research, 2011, 248, 921-927.	0.7	7
58	Structural, mechanical and thermal properties of some Holmium Pnictides under pressure: A theoretical approach. Physica B: Condensed Matter, 2012, 407, 2376-2381.	1.3	7
59	Structural, electronic, elastic and thermal properties for curium monopnictides: A first-principles study. Computational Materials Science, 2013, 74, 148-159.	1.4	7
60	Study of structural, transport and magneto-resistive properties of La0.7Ca0.3â^'xCexMnO3 (0â‰xâ‰0.2). Physica B: Condensed Matter, 2009, 404, 3602-3607.	1.3	6
61	First-principles lattice dynamical study of ScAs and ScSb at zero and high pressure. Solid State Communications, 2009, 149, 1326-1329.	0.9	6
62	Pressure induced structural phase transition and electronic properties of actinide monophospides: Ab-initio calculations. Physica B: Condensed Matter, 2011, 406, 3175-3179.	1.3	6
63	Theoretical investigation on first-principles electronic and thermal properties of some CdRE intermetallics. Physica B: Condensed Matter, 2012, 407, 198-203.	1.3	6
64	Ab initio study of electronic structure, elasticity, bonding features and mechanical behaviour of zinc intermetallics. Computational Condensed Matter, 2018, 14, 144-152.	0.9	6
65	Structural stability of scandium monochalcogeides ScS and ScSe under pressure and superconductivity: A first principles study. Computational Condensed Matter, 2019, 21, e00418.	0.9	6
66	Lattice vibrational properties of uranium pnictides. Pramana - Journal of Physics, 1994, 42, 9-14.	0.9	5
67	Phonon dispersion in aluminium arsenide and antimonide. Pramana - Journal of Physics, 1997, 49, 547-553.	0.9	5
68	High pressure behavior of alkaline earth tellurides. Indian Journal of Physics, 2009, 83, 153-161.	0.9	5
69	High pressure effect on structural and mechanical properties of some LnO (Ln=Sm, Eu, Yb) compounds. Physica B: Condensed Matter, 2011, 406, 2158-2162.	1.3	5
70	Transport and Magneto-Transport Properties of Ru Doped Ln0.67Sr0.33MnO3 (LnÂ=ÂLa, Pr, and Nd). Transactions of the Indian Institute of Metals, 2012, 65, 443-447.	0.7	5
71	Effect of strain on vibrational modes in strained layer superlattices. Pramana - Journal of Physics, 1993, 41, 21-29.	0.9	4
72	Phonon and thermal properties of achiral single wall carbon nanotubes. Pramana - Journal of Physics, 2006, 67, 305-317.	0.9	4

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73	Structural and electronic properties of Cd-rich lanthanide intermetallics. Journal of Physics: Conference Series, 2012, 377, 012081.	0.3	4
74	Influence of Mn Site Substitution on Electrical Resistivity and Magnetoresistance Properties of Rare Earth Manganite. Advanced Materials Research, 2014, 1047, 123-129.	0.3	4
75	Electronic and high pressure elastic properties of RECd and REHg (RE=Sc, La and Yb) intermetallic compounds. Journal of Physics and Chemistry of Solids, 2015, 76, 70-81.	1.9	4
76	Electrical transport and magnetic behaviors of La0.67Sr0.33Mn1-xBxO3 (B = Cr, Ru). AIP Conference Proceedings, 2016, , .	0.3	4
77	Investigation of thermoelectricity in KScSn half-Heusler compound. AIP Conference Proceedings, 2018, , .	0.3	4
78	Structural stability, electronic and thermoelectric properties of ruthenium silicide. Journal of Alloys and Compounds, 2020, 826, 154164.	2.8	4
79	Pressure dependence of structural and phonon properties of intermediate valence compound TmTe. Journal of Physics and Chemistry of Solids, 1999, 60, 567-571.	1.9	3
80	Lattice vibrations in the HgBa2Ca2Cu3O8 high-temperature superconductor. Physica B: Condensed Matter, 1999, 262, 322-328.	1.3	3
81	First-principles study of electronic and elastic properties of EuCd and GdCd. Computational Materials Science, 2014, 92, 178-184.	1.4	3
82	Properties of samarium nitride: First principle calculations. AIP Conference Proceedings, 2016, , .	0.3	3
83	Theoretical study of B2 type technetium AB (A=Tc, B=Ti, V, Nb and Ta) intermetallic compounds. Journal of Physics and Chemistry of Solids, 2016, 99, 25-33.	1.9	3
84	High Pressure Structural and Mechanical Properties of YBi and ScBi Compounds. Advanced Materials Research, 2016, 1141, 39-43.	0.3	3
85	Enhancement of temperature and field coefficient of resistance in doped Nd0.67Sr0.33Mn1â^'xRuxO3. AIP Conference Proceedings, 2018, , .	0.3	3
86	Localization effect of f-electron of heavier rare-earth atoms in RENi2 (RE= Dy, Ho and Er) Laves phase compounds. Computational Condensed Matter, 2018, 16, e00316.	0.9	3
87	The volume of formation of point defects in ionic crystals. Philosophical Magazine Letters, 1988, 57, 31-33.	0.5	2
88	Phonon properties of rare earth ytterbium pnictides. Pramana - Journal of Physics, 1995, 44, 419-427.	0.9	2
89	Lattice dynamics of high-Tc superconductor HgBa2Ca2Cu3O8 with Pb substitution. Physica C: Superconductivity and Its Applications, 2000, 330, 39-43.	0.6	2
90	Study of electronic and structural properties of half metallic rare earth mononitrides. Journal of Physics: Conference Series, 2010, 215, 012113.	0.3	2

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91	INVESTIGATION OF STRUCTURAL PHASE TRANSFORMATION IN HALF METALLIC FERROMAGNETIC EuN UNDER PRESSURE. International Journal of Modern Physics B, 2011, 25, 851-862.	1.0	2
92	Ab initio calculations of B2 type RHg (R = Ce, Pr, Eu and Gd) intermetallic compounds. European Physical Journal B, 2014, 87, 1.	0.6	2
93	Structural stability and bonding in TMOs2 (TM=Sc and Y) C14 Laves phase compounds. AIP Conference Proceedings, 2017, , .	0.3	2
94	Electronic structure and superconducting properties of TcTi and TcV intermetallic compounds. AIP Conference Proceedings, 2018, , .	0.3	2
95	Electronic Structure, Lattice Dynamics, and Superconducting Properties of Mercury-Alkaline Earth Metal Compounds: a First-Principles Study. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3425-3430.	0.8	2
96	Magnetic Properties of Ru-Doped Nd0.67Sr0.33Mn1â^'xRuxO3 (0 â‰¤ x â‰¤ 0.10) Manganites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1991-1996.	0.8	2
97	Effect of oxygen ion polarizability on the normal modes and isotope shift of interstitial oxygen in silicon. Physica B: Condensed Matter, 1992, 176, 309-313.	1.3	1
98	Lattice vibrational properties of superconducting Sr2RuO4. Physica C: Superconductivity and Its Applications, 1999, 322, 110-114.	0.6	1
99	Phonon density of states and lattice specific heat in Sr 2 RuO 4. Journal of Physics and Chemistry of Solids, 2000, 61, 943-946.	1.9	1
100	High pressure structural phase transition and elastic properties of lutetium chalcogenides. , 2012, , .		1
101	High Pressure Behavior of PuBi and NpBi Compounds. Journal of Physics: Conference Series, 2012, 377, 012065.	0.3	1
102	Structural electronic and phonon properties of some transition metal aluminides. , 2012, , .		1
103	Transport, magneto transport and magnetic properties of Ru substituted NdMnO[sub 3]. , 2013, , .		1
104	First principles study on structural, electronic, elastic and thermal properties of equiatomic CoTi and CoZr. AIP Conference Proceedings, 2013, , .	0.3	1
105	Structural and mechanical properties of some thulium pnictides under pressure. , 2013, , .		1
106	Electronic and thermal properties of spin polarised MgPr intermetallic. AIP Conference Proceedings, 2013, , .	0.3	1
107	Effect of Si doping on ductility of RuAl intermetallics: A first principle study. , 2013, , .		1
108	Theoretical Calculations on Molar Heat Capacities of MgRE Intermetallics Using First-Principles Calculations. Advanced Materials Research, 0, 1047, 141-145.	0.3	1

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109	First principles study on electronic structure and elastic properties of LaCd and LaHg. , 2014, , .		1
110	First Principle Calculations of Pressure Induced Structural and Electronic Properties in Americium Monochalcogenides. Advanced Materials Research, 0, 1047, 35-40.	0.3	1
111	Pressure Induced Phase Transition, Elastic and Thermal Properties of Rare Earth Tellurides. Transactions of the Indian Institute of Metals, 2014, 67, 185-192.	0.7	1
112	Ab Initio Study of Pressure Induced Structural, Magnetic and Electronic Properties in Plutonium Pnictides. Advanced Materials Research, 2014, 1047, 11-17.	0.3	1
113	Ab initio study of pressure induced structural and electronic properties in TmPo. AIP Conference Proceedings, 2015, , .	0.3	1
114	Comparative study on multifunctional behavior of La0.7Ca0.24Sr0.06MnO3 and La0.88Ca0.12MnO3 single crystals. AIP Conference Proceedings, 2016, , .	0.3	1
115	Electronic structure, elasticity, bonding features and mechanical behaviour of zinc intermetallics: A DFT study. AIP Conference Proceedings, 2016, , .	0.3	1
116	Comparative Study on Multifunctional Behaviors of La_{0.7}Ca_{0.3}MnO₃ and La_{0.7}Ca_{0.24}Sr_{0.06}MnO₃ Single Crystals. Advanced Materials Research, 2016, 1141, 196-203.	0.3	1
117	Structural, electronic and elastic properties of heavy fermion YbRh2 Laves phase compound. AIP Conference Proceedings, 2018, , .	0.3	1
118	Electronic structural, lattice dynamics and superconducting properties of tife intermetallic compound: A first-principles study. AIP Conference Proceedings, 2019, , .	0.3	1
119	Thermoelectric response of anti-fluoride Sr2Ge semiconducting material: A first-principles study. AIP Conference Proceedings, 2020, , .	0.3	1
120	An investigation on the stability of the structural and electronic properties of ErX$$_{3}$$ ($$hbox) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	1
121	Three body interaction effects oh phase transition and high pressure behaviour of divalent metal oxides. Phase Transitions, 1986, 8, 69-69.	0.6	0
122	Anharmonic oxygen vibration and mode softening in Tl2Ba2Ca2Cu3O10 superconductor. Pramana - Journal of Physics, 1992, 39, 101-108.	0.9	0
123	Phonon dispersion in quasiperiodic semiconductor superlattices. Pramana - Journal of Physics, 1995, 45, 25-32.	0.9	0
124	Nonlinear dynamics of a two-dimensional lattice. Pramana - Journal of Physics, 1995, 45, 377-384.	0.9	0
125	Nonlinear travelling waves in Ï†6 polarizable model. Pramana - Journal of Physics, 1996, 47, 283-307.	0.9	0
126	High-Pressure Behavior of Lanthanum Mono Pnictides. ChemInform, 2005, 36, no.	0.1	0

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127	Structural, transport, magnetic and thermal properties of La[sub 0.7]Ca[sub 0.24]Sr[sub 0.06]MnO[sub 3] single crystal. AIP Conference Proceedings, 2008, , .	0.3	0
128	First Principles Study of Electronic and Thermal Properties of Some CdRE Intermetallics. , 2011, , .		0
129	Phonon dynamics of neptunium chalcogenides. , 2012, , .		0
130	Effect of doping on phonon properties of UxLa1-xS compounds. , 2012, , .		0
131	Pressure induced structural and electronic properties of plutonium monophospide: Ab initio calculations. , 2012, , .		0
132	Electronic properties and electron phonon coupling constant for CeCu[sub 3]Al[sub 2]. , 2013, , .		0
133	Structural, elastic and thermal properties of curium mono pnictides: A first principles study. , 2013, , .		0
134	First principles study on structural, electronic, elastic and mechanical properties of RuAl[sub 1â^'x]Ge[sub x] alloys using special quasirandom structure. , 2013, , .		0
135	Electronic and magnetic properties of RECu[sub 3]Al[sub 2] (RE = Sm, Gd and Tb). , 2013, , .		0
136	Study of pressure induced structural and electronic properties of PuAs and PuSb. , 2013, , .		0
137	Pressure induced structural phase transition in actinide mono-bismuthides: Ab initio calculations. , 2013, , .		0
138	First principle study on structural, mechanical and electronic properties of REAg (RE-Y, La, Pr and Er) intermetallic compounds. , 2013, , .		0
139	Pressure Induced Phase Transition and Elastic Properties of Alkaline Earth Mono-Sulphide. Advanced Materials Research, 0, 1047, 19-25.	0.3	0
140	Phonon Anomalies in Zirconium Nitride (ZrN). Advanced Materials Research, 2014, 1047, 5-10.	0.3	0
141	High Pressure Structural Phase Transition and Elastic Properties of Europium Chalcogenides. Advanced Materials Research, 0, 1047, 163-169.	0.3	0
142	Ab initio study of pressure induced structural and electronic properties in uranium monobismuthide. , 2014, , .		0
143	Lattice Dynamical Properties in YS, LaS and CeSe Compounds. Transactions of the Indian Institute of Metals, 2014, 67, 781-786.	0.7	0
144	FP-LAPW based investigation of structural, electronic and mechanical properties of CePb3 intermetallic compound. AIP Conference Proceedings, 2015, , .	0.3	0

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145	Structural phase transition and electronic properties of NdBi. AIP Conference Proceedings, 2015, , .	0.3	0
146	Properties of Thorium Compounds: Application of Interionic Potential Theory. Journal of Metastable and Nanocrystalline Materials, 2016, 28, 47-52.	0.1	0
147	Pressure Induced Properties of U_XLa_{1-X}S Compound. Journal of Metastable and Nanocrystalline Materials, 2016, 28, 108-114.	0.1	0
148	Ab-initio study of B2-type technetium AB (A=Tc, B=Nb and Ta) intermetallic compounds. AIP Conference Proceedings, 2016, , .	0.3	0
149	Phonon Properties of Americium Sulphide. Journal of Metastable and Nanocrystalline Materials, 2016, 28, 125-128.	0.1	0
150	Structural and Electronic Properties of Thulium Compounds. Journal of Metastable and Nanocrystalline Materials, 2016, 28, 59-64.	0.1	0
151	Ground State and Electronic Properties of Americium (Am) Compounds . Advanced Materials Research, 0, 1141, 176-179.	0.3	0
152	Structural, Electronic and Elastic Properties of Neptunium Bismuthide (NpBi). Advanced Materials Research, 0, 1141, 180-183.	0.3	0
153	Structural and Electronic Properties of Neptunium Sulphide: An Ab Initio Study. Journal of Metastable and Nanocrystalline Materials, 2016, 28, 23-26.	0.1	0
154	Ab Initio Study of Structural Phase Transition and Electronic Properties in Samarium (Sm) Compounds. Advanced Materials Research, 2016, 1141, 184-189.	0.3	0
155	Structural, electronic and elastic properties of RElr2 (RE=La and Ce) Laves phase compounds. AIP Conference Proceedings, 2016, , .	0.3	0
156	Reply to Comment on: AbÂinitio calculations of B2 type RHg (R = Ce,Pr,Eu and Gd) intermetallic compounds. European Physical Journal B, 2016, 89, 1.	0.6	0
157	Electronic, thermoelectric and transport properties of cesium cadmium trifluoride: A DFT study. AIP Conference Proceedings, 2018, , .	0.3	0
158	Transport properties of Nd0.67Sr0.33Mn0.85Co0.15O3 manganite. AIP Conference Proceedings, 2018, , .	0.3	0
159	Phonon properties of lutetium pnictides. AIP Conference Proceedings, 2018, , .	0.3	0
160	Structural and electronic properties of NdX (X=As and Sb) monopnictides. AIP Conference Proceedings, 2018, , .	0.3	0
161	Study of conduction behavior in co-doped Nd0.67Sr0.33Mn0.90Co0.10O3 manganite. AIP Conference Proceedings, 2019, , .	0.3	0
162	First principles study on the lattice dynamics and electron-phonon interaction of HfOs and HfRu compounds. Physica C: Superconductivity and Its Applications, 2021, 584, 1353862.	0.6	0

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163	High Pressure Structural, Elastic and Mechanical Properties of Metallic CuX (X = Zn and Zr) Binary Intermetallics. Advanced Science Letters, 2016, 22, 3872-3875.	0.2	0
164	Structural phase transition, electronic and thermoelectric properties of osmium silicide. AIP Conference Proceedings, 2020, , .	0.3	0