

Jong Soo Rhyee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125 papers	2,498 citations	26 h-index	45 g-index
135 ext. papers	2,872 ext. citations	5.8 avg, IF	5.09 L-index

#	Paper	IF	Citations
125	Optical properties of $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$ ($0 \leq x \leq 1$) films grown on LSAT substrates using radio frequency sputtering deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 013401	2.9	1
124	Weak antilocalization, spin-orbit interaction, and phase coherence length of a Dirac semimetal BiSb.. <i>Scientific Reports</i> , 2022 , 12, 2845	4.9	0
123	Enhancement of critical current density and strong vortex pinning in high entropy alloy superconductor $\text{Ta}_{1/6}\text{Nb}_{2/6}\text{Hf}$. <i>Acta Materialia</i> , 2022 , 232, 117971	8.4	0
122	Coexistence of Kondo effect and Weyl semimetallic states in Mn-doped Mn_xVAl_3 compounds. <i>Materials Today Physics</i> , 2022 , 100732	8	0
121	Emergence of high-performing and ultra-fast 2D-graphene nano-biosensing system. <i>Materials Letters</i> , 2021 , 308, 131241	3.3	2
120	Scattering Mechanisms and Suppression of Bipolar Diffusion Effect in BiTeSeI Compounds. <i>Materials</i> , 2021 , 14,	3.5	1
119	Enhanced thermoelectric performance of Mo nanoparticle decorated n-type $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ powder composites. <i>Applied Surface Science</i> , 2021 , 548, 149200	6.7	2
118	Phonon Scattering and Suppression of Bipolar Effect in MgO/VO Nanoparticle Dispersed p-Type BiSbTe Composites. <i>Materials</i> , 2021 , 14,	3.5	3
117	Magnetocaloric and Scaling Behavior of Gd at High Magnetic Fields up to 140 kOe. <i>Journal of Electronic Materials</i> , 2021 , 50, 5299	1.9	1
116	Charge localization crossover from Mott to Efros-Shklovskii type variable range hopping mechanism in $\text{In}_{1-x}\text{Pb}_x\text{Te}$ compounds. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158093	5.7	3
115	High thermoelectric performance by chemical potential tuning and lattice anharmonicity in $\text{GeTe}_{1-x}\text{I}_x$ compounds. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1205-1214	6.8	0
114	Development of High-Performance Thermoelectric Materials by Microstructure Control of P-Type BiSbTe Based Alloys Fabricated by Water Atomization. <i>Materials</i> , 2021 , 14,	3.5	4
113	Anisotropic thermoelectric and superconducting properties of the bulk misfit-layered $(\text{SnSe})_{1.17}(\text{TaSe}_2)$ compound. <i>Current Applied Physics</i> , 2021 , 28, 1-6	2.6	
112	Superior thermoelectric cooling performance by suppressing bipolar diffusion effect and enhancing anisotropic texture in p-/n-type Bi_2Te_3 based compounds. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161572	5.7	0
111	Temperature-Induced Lifshitz Transition and Charge Density Wave in InTe_{1-x} Thermoelectric Materials. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3628-3636	6.1	13
110	Lattice distortion and anisotropic thermoelectric properties in hot-deformed CuI-doped $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152649	5.7	9
109	Strongly correlated and strongly coupled s-wave superconductivity of the high entropy alloy $\text{Ta}_{1/6}\text{Nb}_{2/6}\text{Hf}_{1/6}\text{Zr}_{1/6}\text{Ti}_{1/6}$ compound. <i>Acta Materialia</i> , 2020 , 186, 250-256	8.4	8

108	Possible Charge Density Wave and Enhancement of Thermoelectric Properties at Mild-Temperature Range in n-Type CuI-Doped BiTeSe Compounds. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 925-933	9.5	14
107	Synergetic Approach for Superior Thermoelectric Performance in PbTe-PbSe-PbS Quaternary Alloys and Composites. <i>Energies</i> , 2020 , 13, 72	3.1	5
106	Size-Controlled Au-CuSe Core-Shell Nanoparticles and Their Thermoelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36589-36599	9.5	4
105	Effective phonon scattering and enhancement of thermoelectric performance in Ga-excess Bi _{0.4} Sb _{1.6} Te ₃ compounds. <i>Current Applied Physics</i> , 2020 , 20, 1036-1040	2.6	1
104	Thermoelectric Properties and Low-Energy Carrier Filtering by Mo Microparticle Dispersion in an n-Type (CuI)Bi(Te,Se) Bulk Matrix. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38076-38084	9.5	20
103	Weak antilocalization and two-carrier electrical transport in Bi _{1-x} Sb _x single crystals (0% \leq x \leq 7.0%). <i>Physical Review B</i> , 2019 , 100,	3.3	7
102	Enhancement of thermoelectric properties over a wide temperature range by lattice disorder and chemical potential tuning in a (CuI) (BiTe) (BiSe) (BiS) quaternary system.. <i>RSC Advances</i> , 2019 , 9, 4190-4197	3.7	6
101	Fine tuning of Fermi level by charged impurity-defect cluster formation and thermoelectric properties in n-type PbTe-based compounds. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16488-16500	13	14
100	Magnetic field driven critical behavior in bulk Gd. <i>Journal of Applied Physics</i> , 2019 , 125, 153903	2.5	5
99	Exotic Low-Energy Excitations Emergent in the Random Kitaev Magnet Cu ₂ IrO ₃ . <i>Physical Review Letters</i> , 2019 , 122, 167202	7.4	20
98	Thermoelectric Properties and Chemical Potential Tuning by K- and Se-Coalloying in (Pb _{0.5} Sn _{0.5}) _{1-x} K _x Te _{0.95} Se _{0.05} . <i>Electronic Materials Letters</i> , 2019 , 15, 342-349	2.9	4
97	Grain growth mechanism and thermoelectric properties of hot press and spark plasma sintered Na-doped PbTe. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 515-522	5.7	12
96	Synergetic Enhancement of Thermoelectric Performance by Selective Charge Anderson Localization-Delocalization Transition in n-Type Bi-Doped PbTe/AgTe Nanocomposite. <i>ACS Nano</i> , 2019 , 13, 3806-3815	16.7	48
95	Magnetic polaron and unconventional magnetotransport properties of the single-crystalline compound EuBiTe ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	8
94	Possible Rashba band splitting and thermoelectric properties in CuI-doped Bi ₂ Te _{2.7} Se _{0.3} bulk crystals. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 636-642	5.7	13
93	High Thermoelectric Performance due to Nanoprecipitation, Band Convergence, and Interface Potential Barrier in PbTe-PbSe-PbS Quaternary Alloys and Composites 2019 , 105-136		
92	Magnetic field-induced type II Weyl semimetallic state in geometrically frustrated Shastry-Sutherland lattice Gd ₂ B ₄ . <i>Materials Today Physics</i> , 2019 , 11, 100168	8	3
91	Anomalous thermoelectric power and polaronic transport in the vicinity of topological phase transition of Pb _{1-x} Sn _x Te. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 126, 11-16	3.9	0

90	Thermoelectric Properties in Fermi Level Tuned Topological Materials (Bi _{1-x} Sn _x) ₂ Te ₃ . <i>Electronic Materials Letters</i> , 2018 , 14, 199-206	2.9	
89	Enhancement of Thermoelectric Properties in n-Type Cu _{0.01} Bi ₂ Te _{2.3+x} Se _{0.7} (0 ≤ x ≤ 0.7) Compounds with Te-Excess. <i>Electronic Materials Letters</i> , 2018 , 14, 139-145	2.9	1
88	Enhancement of thermoelectric performance via weak disordering of topological crystalline insulators and band convergence by Se alloying in Pb _{0.5} Sn _{0.5} Te _{1-x} Sex. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5870-5879	13	9
87	Interstitial Mo-Assisted Photovoltaic Effect in Multilayer MoSe Phototransistors. <i>Advanced Materials</i> , 2018 , 30, e1705542	24	28
86	Specific Domain Pattern of Fe ₂ O ₃ Thin Films Grown on Yttrium-Stabilized Zirconia (100) as a Nucleation Site for Fe ₂ O ₃ . <i>Crystal Growth and Design</i> , 2018 , 18, 3544-3548	3.5	4
85	Correlation between Geometrically Induced Oxygen Octahedral Tilts and Multiferroic Behaviors in BiFeO ₃ Films. <i>Advanced Functional Materials</i> , 2018 , 28, 1800839	15.6	14
84	Enhancement of Thermoelectric Performance in Na-Doped PbSnTeSe S via Breaking the Inversion Symmetry, Band Convergence, and Nanostructuring by Multiple Elements Doping. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11613-11622	9.5	16
83	Enhancement of Thermoelectric Performances in a Topological Crystal Insulator PbSnSe via Weak Perturbation of the Topological State and Chemical Potential Tuning by Chlorine Doping. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10927-10934	9.5	11
82	Enhancement of thermoelectric properties in CuI-doped Bi ₂ Te _{2.7} Se _{0.3} by hot-deformation. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 531-536	5.7	21
81	Texture-induced reduction in electrical resistivity of p-type (Bi,Sb) ₂ Te ₃ by a hot extrusion. <i>Journal of Alloys and Compounds</i> , 2018 , 764, 261-266	5.7	9
80	Enhancement of thermoelectric properties by lattice softening and energy band gap control in Te-deficient InTe _{1-x} Al _x P. <i>AIP Advances</i> , 2018 , 8, 115227	1.5	16
79	Quantum critical nature of the short-range magnetic order in Sr _{2-x} La _x IrO ₄ . <i>Physical Review B</i> , 2018 , 98,	3.3	3
78	High thermoelectric performance and low thermal conductivity in K-doped SnSe polycrystalline compounds. <i>Current Applied Physics</i> , 2018 , 18, 1534-1539	2.6	10
77	Magnetocaloric effect and the change from first- to second-order magnetic phase transition in Pr _{0.7} CaxSr _{0.3-x} MnO ₃ polycrystalline compounds. <i>AIP Advances</i> , 2018 , 8, 101417	1.5	7
76	High thermoelectric performance due to nano-inclusions and randomly distributed interface potentials in N-type (PbTe _{0.93-x} Se _{0.07} Cl _x) _{0.93} (PbS) _{0.07} composites. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13535-13543	13	23
75	Dataset on the electronic and thermal transport properties of quaternary compounds of (PbTe)(PbSe)(PbS). <i>Data in Brief</i> , 2017 , 13, 233-241	1.2	1
74	. <i>Chemistry of Materials</i> , 2017 , 29, 5344-5352	9.6	60
73	High thermoelectric performance in pseudo quaternary compounds of (PbTe) _{0.95-x} (PbSe) _x (PbS) _{0.05} by simultaneous band convergence and nano precipitation. <i>Acta Materialia</i> , 2017 , 131, 98-109	8.4	27

72	Phase separation and interface effect in pseudo-quaternary composites of $\text{Ag}_x\text{Bi}_{0.5}\text{Sb}_{1.5-x}\text{Te}_3$. <i>Journal of Alloys and Compounds</i> , 2017 , 708, 1018-1025	5.7	1
71	Ultralow Lattice Thermal Conductivity and Enhanced Thermoelectric Performance in SnTe:Ga Materials. <i>Chemistry of Materials</i> , 2017 , 29, 612-620	9.6	76
70	Defect chemistry and enhancement of thermoelectric performance in Ag-doped $\text{Sn}_{1-x}\text{Ag}_x\text{Te}$. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2235-2242	13	43
69	Growth, domain structure, and magnetic properties of $\text{CaMnO}_3(110)$ and $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3(110)$ layers synthesized on hexagonal $\text{YMnO}_3(0001)$. <i>CrystEngComm</i> , 2017 , 19, 5269-5274	3.3	1
68	Thermoelectric properties and chemical potential tuning by Cu-doping in n-type ionic conductors $\text{Cu}_x\text{Ag}_{2-x}\text{Se}_{0.5}\text{Te}_{0.5}$. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 111, 214-218	3.9	1
67	Enhancement of thermoelectric properties in liquid-phase sintered Te-excess bismuth antimony tellurides prepared by hot-press sintering. <i>Acta Materialia</i> , 2017 , 135, 297-303	8.4	26
66	Superconducting properties of the misfit-layer compound ()2. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 1517-1522	1.3	11
65	Enhancement of thermoelectric properties by effective K-doping and nano precipitation in quaternary compounds of $(\text{Pb}_{1-x}\text{K}_x\text{Te})_{0.70}(\text{PbSe})_{0.25}(\text{PbS})_{0.05}$. <i>RSC Advances</i> , 2016 , 6, 62958-62967	3.7	10
64	Thermoelectric properties and extremely low lattice thermal conductivity in p-type Bismuth Tellurides by Pb-doping and PbTe precipitation. <i>Journal of Alloys and Compounds</i> , 2016 , 671, 538-544	5.7	28
63	Band Degeneracy, Low Thermal Conductivity, and High Thermoelectric Figure of Merit in $\text{SnTe}_{1-x}\text{Ca}_x\text{Te}$ Alloys. <i>Chemistry of Materials</i> , 2016 , 28, 376-384	9.6	180
62	Thermoelectric properties of $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_3/\text{Ag}_2\text{Te}$ bulk composites with size- and shape-controlled Ag_2Te nano-particles dispersion. <i>Journal of Alloys and Compounds</i> , 2016 , 657, 639-645	5.7	17
61	High-Mobility Transistors Based on Large-Area and Highly Crystalline CVD-Grown MoSe_2 Films on Insulating Substrates. <i>Advanced Materials</i> , 2016 , 28, 2316-21	24	87
60	Stabilization of metastable $\alpha\text{-Fe}_2\text{O}_3$ thin films using a GaFeO_3 buffer. <i>Journal of Applied Physics</i> , 2016 , 120, 185304	2.5	17
59	Boltzmann transport calculation of thermoelectric properties in $\text{Ag}_2\text{Se}_{1-x}\text{Te}_x$ ($x = 0.0$ and 0.5). <i>Journal of Applied Physics</i> , 2016 , 119, 165101	2.5	4
58	Transistors: High-Mobility Transistors Based on Large-Area and Highly Crystalline CVD-Grown MoSe_2 Films on Insulating Substrates (Adv. Mater. 12/2016). <i>Advanced Materials</i> , 2016 , 28, 2278-2278	24	3
57	Ladder coordination polymers built from $[\{\text{Re}_4\text{Q}_4(\text{CN})_{12}\}_4]^{4-}$ cluster anions ($\text{Q} = \text{S}, \text{Se}, \text{Te}$) and $[\text{Gd}(\text{phen})(\text{H}_2\text{O})_3\text{Gd}(\text{phen})(\text{H}_2\text{O})_2(\text{OH})_2]^{4+}$ dimeric cationic fragments. <i>Polyhedron</i> , 2016 , 115, 174-179	2.7	14
56	Indium substitution effect on thermoelectric and optical properties of $\text{Sn}_{1-x}\text{In}_x\text{Se}$ compounds. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 785-790	5.7	32
55	Second order magnetic phase transition and scaling analysis in iron doped manganite $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 41-47	2.8	12

54	Chemical Potential Tuning and Enhancement of Thermoelectric Properties in Indium Selenides. <i>Materials</i> , 2015 , 8, 1283-1324	3.5	20
53	Thermoelectric properties and chlorine doping effect of $\text{In}_{4-0.01\text{Pb}}\text{Sn}_{0.03}\text{Se}_{2.9}\text{Cl}_x$ polycrystalline compounds. <i>Dalton Transactions</i> , 2015 , 44, 3185-9	4.3	13
52	Thermoelectric, thermodynamic, and structural properties in $\text{Cu}_{1.94}\text{A}_{0.02}\text{Se}$ (A=Al, Ga, and In) polycrystalline compounds. <i>Acta Materialia</i> , 2015 , 100, 32-38	8.4	11
51	Fermi level tuning and weak localization/weak antilocalization competition of bulk single crystalline $\text{Bi}_{(2-x)}\text{Sb}_x\text{Se}_2\text{Te}$ compounds. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 025502	1.8	4
50	Low-temperature thermoelectric properties of the $\text{CeSe}_{2-x}\text{Sn}_x$ compounds. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 724-727	5.7	2
49	Thermoelectric properties of p-type $\text{PbTe}/\text{Ag}_2\text{Te}$ bulk composites by extrinsic phase mixing. <i>AIP Advances</i> , 2015 , 5, 127223	1.5	5
48	High thermoelectric figure-of-merit in $\text{Sb}_2\text{Te}_3/\text{Ag}_2\text{Te}$ bulk composites as Pb-free p-type thermoelectric materials. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10494-10499	7.1	33
47	Enhancement of the thermoelectric properties in a mid-temperature range in a phase-separated $\text{In}_4\text{Se}_3\text{Cl}_y/\text{BaIn}_2\text{Se}_4$ composite. <i>Electronic Materials Letters</i> , 2014 , 10, 801-805	2.9	4
46	Thermoelectric properties and violation of the Wiedemann-Franz law in $\text{Bi}_{2-x}\text{Cu}_x\text{Se}_3$ ($x \leq 0.1$). <i>Journal of the Korean Physical Society</i> , 2014 , 64, 695-700	0.6	4
45	Coexistence of localized and collective magnetism in the coupled-spin-tetrahedra system $\text{Cu}_4\text{Te}_5\text{O}_{12}\text{Cl}_4$. <i>Physical Review B</i> , 2014 , 90,	3.3	9
44	Thermoelectric properties of Se-deficient and Pb-/Sn-codoped $\text{In}_{4-0.01\text{Pb}}\text{Sn}_{0.03}\text{Se}_{3-x}$ polycrystalline compounds. <i>Journal of Alloys and Compounds</i> , 2014 , 615, 933-936	5.7	25
43	The Peierls Distortion and Quasi-One-Dimensional Crystalline Materials of Indium Selenides. <i>Springer Series in Materials Science</i> , 2013 , 95-122	0.9	
42	Small-polaron transport and thermoelectric properties of the misfit-layer composite $(\text{BiSe})_{1.09}\text{TaSe}_2/\text{TaSe}_2$. <i>Physical Review B</i> , 2013 , 87,	3.3	17
41	Thermoelectric properties of SrTiO_3 nano-particles dispersed indium selenide bulk composites. <i>Applied Physics Letters</i> , 2013 , 102, 223901	3.4	21
40	Vacancy-suppressed lattice conductivity of high-ZT In_4Se_3 . <i>Physical Review B</i> , 2013 , 87,	3.3	28
39	Colors of graphene and graphene-oxide multilayers on various substrates. <i>Nanotechnology</i> , 2012 , 23, 025708	3.4	39
38	Improvement in the thermoelectric performance of the crystals of halogen-substituted $\text{In}_4\text{Se}_3\text{H}_{0.03}$ (H = F, Cl, Br, I): Effect of halogen-substitution on the thermoelectric properties in In_4Se_3 . <i>Journal of Materials Chemistry</i> , 2012 , 22, 5730		26
37	Enhancement of Thermoelectric Figure of Merit for $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_3$ by Metal Nanoparticle Decoration. <i>Journal of Electronic Materials</i> , 2012 , 41, 1165-1169	1.9	54

36	Magnon gap formation and charge density wave effect on thermoelectric properties in the SmNiC ₂ compound. <i>Physical Review B</i> , 2012 , 86,	3.3	28
35	Dimensional crossover of charge density wave and thermoelectric properties in CeTe ₂ Sb _x single crystals. <i>Applied Physics Letters</i> , 2012 , 101, 143901	3.4	2
34	Thermoelectric properties of chlorine doped compounds of In ₄ Se _{2.7} Cl _x . <i>Journal of Applied Physics</i> , 2011 , 110, 083706	2.5	13
33	Superconductivity and anomalous transport in SrPd ₂ Ge ₂ single crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	21
32	Formation of Cu nanoparticles in layered Bi ₂ Te ₃ and their effect on ZT enhancement. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11365		79
31	Effect of cationic substitution on the thermoelectric properties of In ₄ M _x Se _{2.95} compounds (M = Na, Ca, Zn, Ga, Sn, Pb; x = 0.1). <i>Applied Physics Letters</i> , 2011 , 99, 102110	3.4	31
30	Enhancement of the thermoelectric figure-of-merit in a wide temperature range in In ₄ (Se _{3-x})Cl _{0.03} bulk crystals. <i>Advanced Materials</i> , 2011 , 23, 2191-4	2.4	81
29	Superconducting Properties of a Stoichiometric FeSe Compound and Two Anomalous Features in the Normal State. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 312-316	0.6	35
28	Synthesis, anisotropy, and superconducting properties of LiFeAs single crystal. <i>Applied Physics Letters</i> , 2010 , 96, 212508	3.4	59
27	Kondo-like behavior in magnetic and thermal properties of single-crystal Tm ₅ Si ₂ Ge ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	2
26	Thermoelectricity and localized f-band control by dp-hybridization on the Ce _{1-x} Cu _x Se ₂ compounds. <i>Journal of Applied Physics</i> , 2010 , 107, 053705	2.5	9
25	Zero field magnetic phase transitions and anomalous low temperature upturn in resistivity of single crystalline ErM ₂ AlB ₄ . <i>Journal of Applied Physics</i> , 2010 , 107, 09E148	2.5	1
24	Magnetic anisotropy and magnon gap state of SmB ₄ single crystal. <i>Journal of Applied Physics</i> , 2010 , 107, 09E111	2.5	13
23	Thermoelectric properties of bipolar diffusion effect on In ₄ Se _{3-x} Tex compounds. <i>Applied Physics Letters</i> , 2010 , 97, 152104	3.4	34
22	Thermal and electronic transport properties of CeTe ₂ S _n x compounds. <i>Journal of Applied Physics</i> , 2009 , 105, 053712	2.5	14
21	Peierls distortion as a route to high thermoelectric performance in In ₄ (Se _{3-δ}) crystals. <i>Nature</i> , 2009 , 459, 965-8	50.4	428
20	Thermoelectric properties and anisotropic electronic band structure on the In ₄ Se _{3-x} compounds. <i>Applied Physics Letters</i> , 2009 , 95, 212106	3.4	59
19	Magnetic and electronic irreversibility and relaxation in Eu _{1-x} LaxB ₆ (x=0.15 and 0.18). <i>Journal of Applied Physics</i> , 2008 , 103, 07B717	2.5	

18	Anisotropic magnetization and dynamic susceptibility sign change in single-crystal $\text{Na}_{0.85}\text{CoO}_2$. <i>Physical Review B</i> , 2008 , 77,	3.3	4
17	Multiple magnetic transitions and magnon gaplike characteristics in the high purity TbB_4 single crystal. <i>Journal of Applied Physics</i> , 2007 , 101, 09D509	2.5	7
16	Anomalous transport properties in $\text{Eu}_{1-x}\text{La}_x\text{B}_6$ ($x=0.0, 0.05, 0.1, 0.2$, and 0.3): Hall sign reversal in $\text{Eu}_{1-x}\text{La}_x\text{B}_6$ ($x=0.2$). <i>Physical Review B</i> , 2006 , 74,	3.3	6
15	Anomalous magnetoresistance at low temperatures ($T \geq 10\text{K}$) in a single crystal of GdB_4 . <i>Journal of Applied Physics</i> , 2005 , 97, 10A923	2.5	19
14	Anomalous electronic transport and magnetic instability in $\text{Eu}_{1-x}\text{La}_x\text{B}_6$ ($x=0.0, 0.1, 0.2$, and 0.3). <i>Journal of Applied Physics</i> , 2005 , 97, 10A901	2.5	6
13	Possible adiabatic polaronic hopping in $\text{Ca}_{1-x}\text{Eu}_x\text{B}_6$ ($x=0.005, 0.01$, and 0.05). <i>Physical Review B</i> , 2005 , 71,	3.3	2
12	Optical spectroscopy study of the electronic structure of $\text{Eu}_{1-x}\text{Ca}_x\text{B}_6$. <i>Physical Review B</i> , 2005 , 71,	3.3	14
11	Formation of midgap states and ferromagnetism in semiconducting CaB_6 . <i>Physical Review B</i> , 2004 , 69,	3.3	35
10	The effect of boron purity on electric and magnetic properties of CaB_6 . <i>Journal of Applied Physics</i> , 2004 , 95, 6675-6677	2.5	17
9	Pressure-dependent studies of electron doped hexaboride $\text{Eu}_{1-x}\text{La}_x\text{B}_6$ ($x=0.05, 0.1$). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E423-E424	2.8	3
8	Magnetic anisotropy and electronic transport properties in single-crystalline compounds of EuCu_2Ge_2 and EuCu_2Si_2 . <i>Journal of Applied Physics</i> , 2003 , 93, 8346-8348	2.5	13
7	Interference of magnetic and anisotropic tensor susceptibility reflections in resonant X-ray scattering of GdB_4 . <i>Physical Review Letters</i> , 2003 , 91, 257205	7.4	31
6	Electrical transport properties and small polarons in $\text{Eu}_{1-x}\text{Ca}_x\text{B}_6$. <i>Physical Review B</i> , 2003 , 67,	3.3	24
5	Magnetic properties in Ca-doped Eu hexaborides. <i>Physical Review B</i> , 2003 , 67,	3.3	11
4	Electron doping dependence of ferromagnetism in $\text{Eu}_{1-x}\text{La}_x\text{B}_6$. <i>Physical Review B</i> , 2002 , 65,	3.3	12
3	Enhancement of mechanical and superconducting properties of MgB_2 . <i>Applied Physics Letters</i> , 2002 , 80, 4407-4409	3.4	10
2	Antiferromagnetic Order and Valence Fluctuation in $\text{EuPd}_2(\text{Ge}_{1-x}\text{Si}_x)_2$. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 252-254	1.5	1
1	Constructed Ge Quantum Dots and Sn Precipitate SiGeSn Hybrid Film with High Thermoelectric Performance at Low Temperature Region. <i>Advanced Energy Materials</i> , 2103191	21.8	3

