

# Thamizhavel Arumugam

## List of Publications by Year in descending order

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292  
papers

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172457

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295  
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295  
docs citations

295  
times ranked

3700  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of $\text{ReS}_2$ and $\text{ReSe}_2$ Layered Chalcogenide Single Crystals. Chemistry of Materials, 2016, 28, 3352-3359.	6.7	162
2	Magnetic structure of $\text{EuFe}_2\text{As}_2$ by single-crystal neutron diffraction. Physical Review B, 2009, 80, .	3.2	152
3	Evidence for bulk superconductivity in pure bismuth single crystals at ambient pressure. Science, 2017, 355, 52-55.	12.6	127
4	Unconventional Superconductivity in $\text{La}_{1-x}\text{Ce}_x\text{FeAs}_2$ by Muon Spin Relaxation: Introducing a New Family of Noncentrosymmetric Superconductor That Breaks Time-Reversal Symmetry. Physical Review Letters, 2015, 115, 267001.	7.8	100
5	Pressure-induced superconductivity in without inversion symmetry. Journal of Magnetism and Magnetic Materials, 2007, 310, 844-846.	2.3	94
6	Anisotropic magnetic and superconducting properties of $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2009, 79, .	3.2	81
7	Layered transition metal dichalcogenides: promising near-lattice-matched substrates for GaN growth. Scientific Reports, 2016, 6, 23708.	3.3	76
8	Superconductivity in noncentrosymmetric BiPd. Physical Review B, 2011, 84, .	3.2	75
9	Unique Magnetic Phases in an Antiferromagnet $\text{CeCoGe}_3$ . Journal of the Physical Society of Japan, 2005, 74, 1858-1864.	1.6	65
10	Time-reversal symmetry breaking in the noncentrosymmetric superconductor $\text{Re}_6\text{Mn}_6\text{S}_8$ : Further evidence for unconventional behavior in the $\text{Re}_6\text{Mn}_6\text{S}_8$ -Mn family of materials. Physical Review B, 2017, 96, .	3.2	62
11	Andreev bound state and multiple energy gaps in the noncentrosymmetric superconductor BiPd. Physical Review B, 2012, 86, .	3.2	59
12	Anisotropic electrical and magnetic properties of $\text{CeTSb}_2$ (T=Cu,Au, and Ni) single crystals. Physical Review B, 2003, 68, .	3.2	58
13	Anisotropic, thermal, and magnetic properties of $\text{CeAgSb}_2$ : Explanation via a crystalline electric field scheme. Physical Review B, 2003, 67, .	3.2	57
14	Magnetic structure of $\text{EuFe}_2\text{As}_2$ determined by resonant x-ray scattering. Physical Review B, 2009, 80, .	3.2	56
15	Magnetic compensation phenomenon and the sign reversal in the exchange bias field in a single crystal of $\text{Nd}_{0.75}\text{Ho}_{0.25}\text{Al}_2$ . Europhysics Letters, 2009, 86, 47003.	2.0	55
16	Field-induced spin reorientation and giant spin-lattice coupling in $\text{EuFe}_2\text{As}_2$ . Physical Review B, 2010, 81, .	3.2	51
17	High-pressure effect on the electronic state in $\text{CeNiGe}_3$ : pressure-induced superconductivity. Journal of Physics Condensed Matter, 2004, 16, L255-L262.	1.8	50
18	Heat capacity evidence for proximity to the Kitaev quantum spin liquid in $\text{A}_2\text{B}_2\text{X}_6$ ( $\text{A}=\text{Cu, Ni, Pd}$ ) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td}$ . Physical Review B, 2018, 98, .	3.2	48

#	ARTICLE	IF	CITATIONS
19	Crystal structure, magnetic ordering, and magnetic excitation in the 4f-localized ferromagnet CeAgSb <sub>2</sub> . Physical Review B, 2003, 68, .	3.2	47
20	A change of electronic state tuned by pressure: pressure-induced superconductivity of the antiferromagnet Ce <sub>2</sub> Ni <sub>3</sub> Ge <sub>5</sub> . Journal of Physics Condensed Matter, 2005, 17, 4539-4546.	1.8	44
21	Measurement of Anomalous Phonon Dispersion of $\text{CaFeAs}_2$ Crystals Using Inelastic Neutron Scattering. Physical Review Letters, 2009, 102, 217001.	7.8	42
22	Superconducting properties of the noncentrosymmetric superconductor $\text{Re}_3\text{Co}_2\text{As}_2$ . Physical Review B, 2016, 94, .	3.2	36
23	Evolution of the bulk properties, structure, magnetic order, and superconductivity with Ni doping in $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2009, 80, .	3.2	40
24	$\text{EuNiGe}_3$ , an anisotropic antiferromagnet. Journal of Physics Condensed Matter, 2014, 26, 216001.	1.8	33
25	Anisotropic superconductivity in noncentrosymmetric BiPd. Physical Review B, 2014, 89, .	3.2	32
26	Disordering of the vortex lattice through successive destruction of positional and orientational order in a weakly pinned $\text{Co}_0.0075\text{NbSe}_2$ single crystal. Scientific Reports, 2015, 5, 10613.	3.3	32
27	Strongly Correlated Superconductivity in $\text{Rh}_2\text{S}_{17}$ . Physical Review Letters, 2008, 100, 026404.	7.8	31
28	Anisotropic magnetic properties and giant magnetocaloric effect of single-crystal PrSi. Physical Review B, 2014, 89, .	3.2	31
29	Fermi Surface Property of $\text{CeCoGe}_3$ and $\text{LaCoGe}_3$ without Inversion Symmetry in the Tetragonal Crystal Structure. Journal of the Physical Society of Japan, 2006, 75, 044711.	1.6	29
30	Magnetic properties of $\text{EuPtSi}_2$ crystals. Physical Review B, 2010, 81, .	3.2	32
31	Magnetic properties of the heavy-fermion antiferromagnet $\text{CeMg}_3$ . Physical Review B, 2011, 83, .	3.2	26
32	Low Temperature Magnetic Properties of $\text{CeTb}_2(\text{T: Ni, Cu and Ag})$ Single Crystals. Journal of the Physical Society of Japan, 2003, 72, 2632-2639.	1.6	25
33	Pressure-Induced Superconductivity Emerging from Antiferromagnetic Phase in $\text{CeNiGe}_3$ . Journal of the Physical Society of Japan, 2006, 75, 044713.	1.6	25
34	Field-induced quantum fluctuations in the heavy fermion superconductor $\text{CeCu}_2\text{Ge}_2$ . Scientific Reports, 2011, 1, 117.	3.3	24
35	Unique Magnetic Properties of $\text{NdRhIn}_5$ , $\text{TbRhIn}_5$ , $\text{DyRhIn}_5$ , and $\text{HoRhIn}_5$ . Journal of the Physical Society of Japan, 2006, 75, 074708.	1.6	23
36	Anisotropic magnetic properties of $\text{CeAg}_2\text{Ge}_2$ single crystals. Physical Review B, 2007, 75, .	3.2	23

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37	Magnetic properties of and ( and Rh) single crystals. Journal of Magnetism and Magnetic Materials, 2007, 310, 249-251.	2.3	23
38	Anisotropic magnetization studies of $R_2TjETQq000rgBT/Overlock10Tf50697Td$ crystals ( $TjETQq000rgBT/Overlock10Tf50697Td$ )	3.2	23
39	Extremely large magnetoresistance induced by Zeeman effect-driven electron-hole compensation and topological protection in $MoSi_2$ Physical Review B, 2018, 97, .	3.2	23
40	Magnetic and Electrical Properties in CePtSi <sub>3</sub> without Inversion Symmetry in the Crystal Structure. Journal of the Physical Society of Japan, 2007, 76, 014710.	1.6	22
41	Superconducting properties and $^{13}C$ SR study of the noncentrosymmetric superconductor $NbO_{0.5}Os_{0.5}$ . Journal of Physics Condensed Matter, 2018, 30, 075601.	1.8	22
42	Unusual charge density wave transition and absence of magnetic ordering in $Er_2Ni_21$ Physical Review B, 2020, 101, .	2.2	21
43	Antiferromagnetic ordering in EuPtGe <sub>3</sub> . Journal of Physics Condensed Matter, 2012, 24, 036005.	1.8	20
44	Multiple charge-density-wave transitions in single-crystalline $Lu_2Ir_3Si_5$	3.2	20
45	Stripe order on the spin-1 stacked honeycomb lattice in a quasi-skutterudite $Ce_3Os$	3.2	20
46	An unusual hollow cylindrical Fermi surface of a quasi-two-dimensional compound $CeAgSb_2$ . The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1867-1892.	0.6	19
47	Magnetic behavior of single-crystalline $Pr_5Tb_5$ Stripe order on the spin-1 stacked honeycomb lattice in $Tb_5Ni$	3.2	19
48	Anisotropic magnetic properties and critical behaviour studies of trigonal $Ni_2Ba_2$	3.2	18
49	Electronic structure of $EuCr_2Ge_2$	2.3	19
50	Electronic structure of $EuCr_2Ge_2$ studied by resonant photoemission and x-ray absorption spectroscopy. Physical Review B, 2012, 86, .	3.2	18
51	$Ir_2$		

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55	Electronic structure of $\text{EuFe}_2\text{As}_2$ . Journal of Physics Condensed Matter, 2013, 25, 225701.	1.8	17
56	Observation of Standing Spin Waves in a van der Waals Magnetic Material. Advanced Materials, 2021, 33, e2005105.	21.0	17
57	Anisotropic Magnetic Properties of a Pressure-induced Superconductor $\text{Ce}_2\text{Ni}_3\text{Ge}_5$ . Journal of the Physical Society of Japan, 2005, 74, 2843-2848.	1.6	16
58	Anomalous in-plane magnetoresistance in a $\text{EuFe}_2\text{As}_2$ single crystal: Evidence of strong spin-charge-lattice coupling. Physical Review B, 2012, 85, .	3.2	16
59	Magnetic properties and complex magnetic phase diagram in non-centrosymmetric $\text{EuRhGe}_3$ and $\text{EuIrGe}_3$ single crystals. Journal of Magnetism and Magnetic Materials, 2016, 401, 823-831.	2.3	16
60	Exploring metamagnetism of single crystalline $\text{EuNiGe}_3$ by neutron scattering. Physical Review B, 2016, 93, .	3.2	16
61	Unique Fermi surfaces with quasi-one-dimensional character in $\text{CeRh}_3\text{B}_2$ and $\text{LaRh}_3\text{B}_2$ . Journal of Physics Condensed Matter, 2003, 15, L721-L727.	1.8	15
62	Multi-step magnetic transition in non-centrosymmetric compound $\text{CeCoGe}_3$ . Journal of Physics: Conference Series, 2009, 150, 042082.	0.4	15
63	Electronic structure of $\text{CeAg}_3$ by resonant photoemission spectroscopy. Physical Review B, 2010, 82, .	2.4	15
64	Anisotropic magnetic properties and superzone gap formation in $\text{CeGe}$ single crystal. Journal of Physics Condensed Matter, 2012, 24, 146003.	1.8	15
65	Magnetic and transport properties of $\text{Pr}_2\text{Pt}_3\text{Si}_5$ . Journal of Magnetism and Magnetic Materials, 2012, 324, 2483-2487.	2.3	15
66	Complex temperature evolution of the electronic structure of $\text{CaFe}_2\text{As}_2$ . Journal of Applied Physics, 2014, 115, 123901.	2.5	15
67	Pressure induced valence change of Eu in $\text{EuFe}_2\text{As}_2$ at low temperature and high pressures probed by resonant inelastic x-ray scattering. Applied Physics Letters, 2014, 104, .	3.3	15
68	Kondo Lattice and Antiferromagnetic Behavior in Quaternary $\text{CeTl}_4\text{Si}_2$ ( $T_c = 0.0$ K). Overlock 10	1.6	15
69	Disorder-induced two-step melting of vortex matter in Co-intercalated $\text{NbS}_2$ single crystals. Physical Review B, 2016, 93, .	3.2	15
70	Magnetocrystalline anisotropy in the Kondo-lattice compound $\text{CeAgAs}_2$ . Physical Review B, 2018, 98, .	1.6	15
71	Coplanar cavity for strong coupling between photons and magnons in van der Waals antiferromagnet. Applied Physics Letters, 2020, 117, .	3.3	15
72	Exchange Bias and Its Phase Reversal in Zero Magnetization Admixed Rare-Earth Intermetallics. IEEE Transactions on Magnetics, 2009, 45, 2902-2906.	2.1	14

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73	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in $\text{CaFe}_2\text{As}_2$ . <i>Physical Review B</i> , 2010, 81, .	3.2	14
74	inelastic neutron scattering investigations of the noncentrosymmetric antiferromagnet $\text{CeNiC}_2$ . <i>Physical Review B</i> , 2014, 90, .	3.2	14
75	Fermi Surface and Magnetic Properties of $\text{PrTl}_5$ (T: Co, Rh, and Ir). <i>Journal of the Physical Society of Japan</i> , 2005, 74, 3320-3328.	1.6	13
76	Magnetic behavior in $\text{R}_2\text{Rh}_2\text{As}_4$ . <i>Physical Review B</i> , 2005, 71, 014411.		

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91	Optimization of Gas Ambient for High Quality $\text{In}_2\text{Ga}_2\text{O}_3$ Single Crystals Grown by the Optical Floating Zone Technique. ECS Journal of Solid State Science and Technology, 2019, 8, Q3144-Q3148.	1.8	11
92	On-Demand Local Modification of High- $T_c$ Superconductivity in Few Unit-Cell Thick $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . Advanced Materials, 2020, 32, e2002220.	21.0	11
93	Magnetotransport properties of noncentrosymmetric CaAgBi single crystal. Journal of Physics Condensed Matter, 2020, 32, 335701.	1.8	11
94	Pressure-induced superconductivity of $\text{Ce}_2\text{Ni}_3\text{Ge}_5$ . Physica B: Condensed Matter, 2006, 378-380, 402-403.	2.7	10
95	Magnetic and electronic properties in and (T: transition metal). Journal of Magnetism and Magnetic Materials, 2007, 310, 308-309.	2.3	10
96	Magnetocrystalline anisotropy in $\text{RAu}_2\text{Ge}_2$ (R = La, Ce and Pr) single crystals. Journal of Magnetism and Magnetic Materials, 2010, 322, 3363-3371.	2.3	10
97	Superconductivity in a low carrier density system: A single crystal study of cubic $\text{Y}_3\text{Ru}_4\text{Ge}_{13}$ . Physica C: Superconductivity and Its Applications, 2013, 492, 90-95.	1.2	10
98	Thermal properties and Ising critical behavior in $\text{EuFe}_2\text{As}_2$ . Journal of Alloys and Compounds, 2014, 617, 534-537.	5.5	10
99	Electronic transport properties of $\text{MFe}_2\text{As}_2$ (M = Ca, Eu, Sr) at ambient and high pressures up to 20 GPa. Superconductor Science and Technology, 2015, 28, 125010.	3.5	10
100	Gate tuned weak antilocalization effect in calcium doped $\text{Bi}_2\text{Se}_3$ topological insulators. Solid State Communications, 2015, 220, 45-48.	1.9	10
101	Orthorhombic charge density wave on the tetragonal lattice of $\text{EuAl}_4$ . IUCr, 2022, 9, 378-385.	2.2	10
102	Electrical and magnetic properties of the cerium-transition metal intermetallics $\text{CeTsb}_2$ (T: Cu, Au). Tj ETQqO O rgBT /Overlock 10 TF	2.7	9
103	Anisotropic magnetism in $\text{NdCrSb}_3$ . Journal of Physics Condensed Matter, 2008, 20, 295226.	1.8	9
104	Evolution of an Unconventional Superconducting State inside the Antiferromagnetic Phase of $\text{CeNiGe}_3$ under Pressure: A $^{73}\text{Ge}$ -Nuclear-Quadrupole-Resonance Study. Journal of the Physical Society of Japan, 2008, 77, 103710.	1.6	9
105	Multiple magnetic structures of correlated Ce ions in intermetallic $\text{CeAu}_2\text{Ge}_2$ . Physical Review B, 2012, 86, .	3.2	9
106	Complex magnetic order in $\text{Pr}_2\text{Pd}_3\text{Ge}_5$ : a single crystal study. Journal of Physics Condensed Matter, 2012, 24, 456003.	1.8	9
107	Synthesis, Crystal and Electronic Structure of the Quaternary Magnetic $\text{EuTAl}_4\text{Si}_2$ (T = Rh and Ir) Compounds. Inorganic Chemistry, 2014, 53, 1443-1448.	4.0	9
108	Magnetic anisotropy, unusual hysteresis and putative $\uparrow\downarrow$ -magnetic structure in $\text{EuTAl}_4\text{Si}_2$ (T) Tj ETQqO O O rgBT /Overlock 9	3.3	9

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109	Superconductivity in cubic noncentrosymmetric PdBiSe Crystal. Journal of Physics: Conference Series, 2015, 592, 012069.	0.4	9
110	Multiband superconductivity in Lu <sub>3</sub> Os <sub>4</sub> Ge <sub>13</sub> . Superconductor Science and Technology, 2015, 28, 115012.	3.5	9
111	Growth, twin and domain structure studies of superconducting Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-x</sub> Y <sub>x</sub> Cu <sub>2</sub> O <sub>8+δ</sub> single crystals. Physica C: Superconductivity and Its Applications, 1993, 215, 429-434.	1.2	8
112	Magnetic Properties and a Change of the Electrical Resistivity under Pressure in CePtGe <sub>2</sub> . Journal of the Physical Society of Japan, 2003, 72, 2338-2343.	1.6	8
113	Magnetic Properties of an Antiferromagnet CePdSb <sub>3</sub> . Journal of the Physical Society of Japan, 2005, 74, 2617-2621.	1.6	8
114	Magnetic and superconducting properties of and without inversion symmetry. Journal of Magnetism and Magnetic Materials, 2007, 310, 563-565.	2.3	8
115	Thermal and transport behavior of single-crystalline R <sub>2</sub> CoGa <sub>8</sub> (R=Gd, Tb, Dy, Ho, Er, Tm, Lu, and Y) compounds. Physical Review B, 2009, 80, 014411.	3.2	8
116	Magnetic ordering and crystal field effects in the R <sub>2</sub> CoGa <sub>8</sub> compounds. Physical Review B, 2009, 80, 014411.	3.2	8
117	Coupling of ferromagnetic and superconducting orders in the heavy fermion metal CeAg <sub>2</sub> Ge <sub>2</sub> . Physical Review B, 2011, 84, 014411.	3.2	8
118	Temperature-field phase diagram of quantum critical CeAuSb <sub>2</sub> . Physica Status Solidi (B): Basic Research, 2013, 250, 464-467.	1.5	8
119	Estimate of the Coulomb correlation energy in CeAg <sub>2</sub> Ge <sub>2</sub> from inverse photoemission and high resolution photoemission spectroscopy. Journal of Physics Condensed Matter, 2014, 26, 335502.	1.8	8
120	Probing the magnetic ground state of single crystalline Ce <sub>3</sub> TiSb <sub>5</sub> . Journal of Physics Condensed Matter, 2017, 29, 145601.	1.8	8
121	Growth of high-quality Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> whiskers and electrical properties of resulting exfoliated flakes. Scientific Reports, 2017, 7, 3295.	3.3	8
122	Depth-resolved core level spectroscopy of noncentrosymmetric solid BiPd. Physical Review B, 2020, 101, .	3.2	8
123	Second-order charge-density-wave transition in single crystals of La <sub>2-x</sub> Ni <sub>2x</sub> As <sub>2</sub> . Physical Review Materials, 2019, 3, .	3.4	8
124	Growth and characterization of superconducting Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-x</sub> Ce <sub>x</sub> Cu <sub>2</sub> O <sub>8+δ</sub> single crystals. Physica C: Superconductivity and Its Applications, 1997, 275, 279-283.	1.2	7
125	Crystal growth and magnetic property of a new compound CeAu <sub>4</sub> Si <sub>2</sub> . Journal of Alloys and Compounds, 2006, 424, 7-12.	5.5	7
126	Thermodynamics Investigation on Pressure-induced Superconductor CeNiGe <sub>3</sub> by ac Calorimetry. Journal of the Physical Society of Japan, 2006, 75, 174-176.	1.6	7

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127	Field-dependent tuning of the ferromagnetic ordering in. Journal of Magnetism and Magnetic Materials, 2008, 320, e453-e456.	2.3	7
128	Ground state magnetic structure of Ce <sub>2</sub> Ni <sub>3</sub> Ge <sub>5</sub> . Journal of Alloys and Compounds, 2008, 451, 504-506.	5.5	7
129	Anisotropic magnetism in PrCrSb <sub>3</sub> : Bulk properties of single crystals. Physical Review B, 2008, 77, .	3.2	7
130	Superconducting Phase Diagram of Rh <sub>17</sub> Si <sub>15</sub> . Journal of Low Temperature Physics, 2010, 159, 176-179.	1.4	7
131	Dual role of an ac driving force and the underlying two distinct order-disorder transitions in the vortex phase diagram of Ca <sub>3</sub> Ir <sub>4</sub> Sn <sub>13</sub> . Physica C: Superconductivity and Its Applications, 2014, 506, 69-75.	1.2	7
132	Magnetic, thermal and transport behavior in single crystalline RCu <sub>2</sub> Ge <sub>2</sub> (R=La, Ce, Pr and Sm) compounds. Journal of Magnetism and Magnetic Materials, 2015, 377, 325-333.	2.3	7
133	High-pressure studies on the properties of FeGa <sub>3</sub> : Role of on-site Coulomb correlation. Physical Review B, 2017, 95, .	3.2	7
134	Possible multigap type-I superconductivity in the layered boride RuB <sub>2</sub> . Physical Review B, 2018, 97, .	3.2	7
135	Zigzag spin chains in the spin-5/2 antiferromagnet Ba <sub>2</sub> Mn(PO <sub>4</sub> ) <sub>2</sub> . Inorganic Chemistry Frontiers, 2019, 6, 2736-2746.	6.0	7
136	Modulated crystal structure of the atypical charge density wave state of single-crystal Lu <sub>2</sub> Si <sub>5</sub> . Physical Review B, 2021, 104, .	3.2	7
137	Anomalies in the temperature evolution of Dirac states in the topological crystalline insulator SnTe. Physical Review B, 2021, 104, .	3.2	7
138	Repeated magnetic compensation behavior in the rare-earth alloy Nd <sub>0.75</sub> Gd <sub>0.25</sub> Rh <sub>3</sub> B <sub>2</sub> with hexagonal structure and planar anisotropy. Physical Review B, 2008, 78, .	3.2	6
139	Band mapping of CeAg <sub>2</sub> Ge <sub>2</sub> using angle-resolved photoemission spectroscopy. Solid State Communications, 2010, 150, 1936-1939.	1.9	6
140	Plasmon Mode Modifies the Elastic Response of a Nanoscale Charge Density Wave System. Physical Review Letters, 2013, 110, 166403.	7.8	6
141	Enhanced conduction band density of states in intermetallic EuT <sub>3</sub> Si <sub>3</sub> (T = Rh, Ir). Journal of Physics Condensed Matter, 2015, 27, 366001.	1.8	6
142	Coupling of rare earth moment and charge density wave ordering in a single crystal Er <sub>2</sub> Ir <sub>3</sub> Si <sub>5</sub> . Journal of Physics: Conference Series, 2015, 592, 012094.	0.4	6
143	Crystal structure and anisotropic magnetic properties of new ferromagnetic Kondo lattice compound Ce(Cu,Al,Si) <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2017, 426, 144-149.	2.3	6
144	Coexistence of Eu antiferromagnetism and pressure-induced superconductivity in single-crystal EuFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2019, 100, .	3.2	6

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145	Effect of Pressure on Electronic States in Canted Ferromagnet CePtAl. Journal of the Physical Society of Japan, 2005, 74, 3393-3394.	1.6	6
146	Valence fluctuation in $\text{CeMg}_2\text{Cu}_9$ and Ising-type magnetic ordering in $\text{PrCe}_2\text{Si}_2$ . Physical Review B, 2022, 105, .	3.2	6
147	Growth of large size twin free $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals by a temperature gradient technique. Journal of Crystal Growth, 1994, 137, 273-277.	1.5	5
148	Effect of degradation on surface and mechanical properties of C60 and C60/C70 single crystals. Physica C: Superconductivity and Its Applications, 1997, 275, 193-197.	1.2	5
149	Pressure study of an antiferromagnet, $\text{CeMg}_2\text{Cu}_9$ . Journal of Physics Condensed Matter, 2002, 14, L305-L311.	1.8	5
150	Magnetism and high-field magnetization of $\text{ErCu}_2$ . Physica B: Condensed Matter, 2003, 327, 423-426.	2.7	5
151	Pressure-induced superconductivity in $\text{CeNiGe}_3$ . Physica B: Condensed Matter, 2006, 378-380, 419-420.	2.7	5
152	Pressure-induced antiferromagnetic superconductivity in $\text{CeMg}_2\text{Cu}_9$ : A NQR study under pressure. Journal of Magnetism and Magnetic Materials, 2007, 310, 614-616.	2.3	5
153	Anisotropic magnetic behavior in $\text{CeCrSb}_3$ . Journal of Magnetism and Magnetic Materials, 2008, 320, 2766-2769.	2.3	5
154	Intimate interplay between superconductivity and antiferromagnetism in $^{73}\text{Ge}$ -NQR study under pressure. Physica B: Condensed Matter, 2008, 403, 1020-1022.	2.7	5
155	Crystal growth and anisotropic magnetic properties of $\text{R}_2\text{Ge}_2\text{T}_3$ ( $\text{R}=\text{Er, Tb, Dy}$ ). Journal of Crystal Growth, 2014, 382, 107-111.	2.7	5
156	Anisotropic magnetism in $\text{PrCrSb}_3$ and $\text{NdCrSb}_3$ . Journal of Alloys and Compounds, 2009, 480, 28-30.	5.5	5
157	Magnetocaloric effect near the second order ferromagnetic transition in superstructure $\text{R}_2\text{Si}_2\text{C}$ compounds ( $\text{R}=\text{Gd, Tb and Dy}$ ). Journal of Alloys and Compounds, 2014, 588, 720-724.	5.5	5
158	Crystal Growth and Crystal Structure of $\text{EuPtIn}_4$ . Crystal Growth and Design, 2014, 14, 2747-2752.	3.0	5
159	Anisotropic magnetic properties of $\text{EuAl}_2\text{Si}_2$ . Journal of Physics: Conference Series, 2015, 592, 012045.	0.4	5
160	Unveiling of Bragg glass to vortex glass transition by an ac driving force in a single crystal of $\text{Yb}_3\text{Rh}_4\text{Sn}_{13}$ . Superconductor Science and Technology, 2015, 28, 085013.	3.5	5
161	Orientational coupling between the vortex lattice and the crystalline lattice in a weakly pinned $\text{Co}_0.0075\text{NbSe}_2$ single crystal. Journal of Physics Condensed Matter, 2016, 28, 165701.	1.8	5
162	Electronic nature of the lock-in magnetic transition in $\text{CeMg}_2\text{Cu}_9$ . Physical Review B, 2016, 93, .	3.2	5

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163	Electrical resistivity under pressure and thermal expansion of LaPt <sub>2</sub> Si <sub>2</sub> single crystal. Journal of Applied Physics, 2019, 125, 143902.	2.5	5
164	Dirac states in the noncentrosymmetric superconductor BiPd. Physical Review B, 2021, 103, .	3.2	5
165	Emergence of well-screened states in a superconducting material of the $\text{CaFe}_{1-x}\text{Co}_x\text{As}_2$ family. Physical Review B, 2021, 104, .	3.2	5
166	Studies on simultaneous substitution of Pb and Y in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\hat{r}$ single crystals. Physica C: Superconductivity and Its Applications, 1997, 288, 163-166.	1.2	4
167	An anomalously huge resistivity peak under pressure in CeRhGe. Journal of Physics Condensed Matter, 2003, 15, L463-L468.	1.8	4
168	The electronic state tuned by high pressure in a ferromagnet CePtAl. Physica B: Condensed Matter, 2006, 378-380, 801-802.	2.7	4
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