Ev Sampathkumaran

List of Publications by Year
in descending order

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121	1,774	304368 22	377514 34
papers	citations	h-index	g-index

121	121	121	788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origin of destruction of multiferroicity in Tb2BaNiO5 by Sr doping and its implications. Journal of Alloys and Compounds, 2021, 862, 158514.	2.8	2
2	Magnetic frustration and paramagnetic state transport anomalies in Ho4RhAl and Er4RhAl: Possible test cases for newly identified roles of itinerant electrons. Journal of Magnetism and Magnetic Materials, 2021, 538, 168285.	1.0	3
3	Reentrant spin-glass and transport behavior of Gd4PtAl, a compound with three sites for Gd. Journal of Magnetism and Magnetic Materials, 2019, 490, 165515.	1.0	19
4	Influencing magnetism of quasi 1D spin-chain compound Ca3CoMnO6 by Ni substitution at Co site. Journal of Magnetism and Magnetic Materials, 2019, 486, 165264.	1.0	6
5	Anisotropic re-entrant spin-glass features in a metallic kagome lattice, Tb3Ru4Al12. Solid State Communications, 2019, 288, 64-67.	0.9	7
6	Neutron diffraction study of a metallic kagome lattice, Tb3Ru4Al12. Journal of Magnetism and Magnetic Materials, 2019, 477, 83-87.	1.0	7
7	In-field neutron diffraction investigation of metamagnetism in Nd7Rh3. Physica B: Condensed Matter, 2018, 551, 127-131.	1.3	2
8	Eu valence transition behavior in the nano form of EuPd2Si2. Journal of Magnetism and Magnetic Materials, 2018, 465, 515-518.	1.0	2
9	Dielectric and multiferroic behavior in Sm2BaNiO5, a Haldane spin-chain compound. Physica B: Condensed Matter, 2017, 524, 123-126.	1.3	6
10	Magnetic behavior of new compounds, Gd 3 RuSn 6 and Tb 3 RuSn 6. Journal of Magnetism and Magnetic Materials, 2017, 441, 180-187.	1.0	3
11	Interrupted Magnetic First Order Transitions and Kinetic Arrest probed with In-field Neutron Diffraction. Journal of Physics: Conference Series, 2016, 746, 012063.	0.3	1
12	Insight into the magnetism of a distorted Kagome lattice, Dy 3 Ru 4 Al 12 , based on polycrystalline studies. Intermetallics, 2016, 76, 26-32.	1.8	18
13	Dielectric anomalies and magnetodielectric coupling behavior of single crystalline Ca3Co2O6, a geometrically frustrated magnetic spin-chain system. Journal of Alloys and Compounds, 2016, 675, 364-369.	2.8	12
14	Enhanced magnetic ordering temperature and dielectric behavior in off-stoichiometric Ca3Cu1â^'xMn1+xO6 (x=0.07). Solid State Communications, 2015, 223, 67-73.	0.9	2
15	Electronic transport minimum in SmCuAs2 at low temperatures and structural anomalies. Solid State Communications, 2013, 159, 29-31.	0.9	0
16	Contrasting magnetic behavior of fine particles of some Kondo lattices. Solid State Communications, 2012, 152, 606-611.	0.9	3
17	Synthesis of fine particles of a geometrically frustrated spin-chain system Ca3Co2O6 through a pyrophoric route and its magnetic behavior. Journal of Alloys and Compounds, 2010, 498, 1-4.	2.8	8
18	Magnetic anomalies in nanocrystalline , a geometrically frustrated spin-chain compound. Solid State Communications, 2009, 149, 1641-1645.	0.9	2

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19	Insensitivity of magnetic anomalies in Sr3NiPtO6 to positive and negative pressures. Journal of Alloys and Compounds, 2009, 484, 50-53.	2.8	4
20	Magnetic anomalies in single crystalline ErPd2Si2. Journal of Magnetism and Magnetic Materials, 2008, 320, 1549-1552.	1.0	6
21	Magnetic behavior of nanocrystalline LaMn2Ge2. Journal of Magnetism and Magnetic Materials, 2008, 320, L129-L131.	1.0	5
22	Magnetic anomalies in a new manganocuprate Gd3Ba2Mn2Cu2O12. Solid State Communications, 2008, 147, 353-356.	0.9	2
23	Profound changes on the geometrically frustrated magnetism of Ca3CoRhO6 by the disturbance of the non-magnetic site. Physica B: Condensed Matter, 2008, 403, 1443-1444.	1.3	0
24	Effect of a small disruption of the Ca site on the geometrically frustrated magnetic behavior of Ca3CoRhO6. Solid State Communications, 2007, 143, 149-152.	0.9	7
25	Magnetic behavior of the spin-chain compound, Ca3CuRuO6. Physica B: Condensed Matter, 2006, 378-380, 1144-1145.	1.3	0
26	Magnetic and magnetoresistance behavior of Tb7Rh3, an intermetallic compound with a negative temperature coefficient of electrical resistivity in the paramagnetic state. Solid State Communications, 2006, 139, 351-354.	0.9	13
27	Kondo and magnetic ordering anomalies in Ce2â^'xRxPtSi3 (R=La, Y). Physica B: Condensed Matter, 2006, 378-380, 843-844.	1.3	0
28	Novel magnetic behavior of single-crystalline Er2PdSi3. Physica B: Condensed Matter, 2005, 355, 158-163.	1.3	11
29	Electrical resistivity and tunneling anomalies in CeCuAs2. Physica B: Condensed Matter, 2005, 359-361, 108-110.	1.3	11
30	Heat-capacity anomalies in the presence of high magnetic fields in the spin-chain compound, Ca3Co2O6. Journal of Magnetism and Magnetic Materials, 2004, 284, L7-L11.	1.0	23
31	Magnetic behavior of spin-chain compounds, Sr3ZnRhO6 and Ca3NiMnO6, from heat capacity and AC susceptibility studies. Journal of Solid State Chemistry, 2004, 177, 3270-3273.	1.4	6
32	Magnetic and transport anomalies in the compounds, RCuAs2 (R=Pr, Nd, Sm, Gd, Tb, Dy, Ho, and Er). Physica B: Condensed Matter, 2004, 348, 465-474.	1.3	26
33	High pressure effects on the electrical resistivity behavior of the Kondo lattice, YbPd2Si2. Solid State Communications, 2004, 132, 325-328.	0.9	8
34	Magnetic structures of Ce2Pd1â^'xCoxSi3 (x = 0.0, 0.2, 0.4, 0.6) compounds. Journal of Alloys and Compounds, 2004, 373, 73-77.	2.8	1
35	ESR investigation of the spin dynamics in (Gd1â^'xYx)2PdSi3. Solid State Communications, 2003, 125, 327-331.	0.9	9
36	Magnetic behaviour of quasi-one-dimensional oxides, Ca3Co1+xMn1â^'xO6. Solid State Communications, 2003, 128, 79-84.	0.9	77

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37	Neutron diffraction study of the crystal and magnetic structure of Ce2Co1â^'xAuxSi3 (x=0.4, 0.6, and) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	2
38	Spin-glass, antiferromagnetism and kondo behavior in Ce2Au1â^'x Co x Si3 alloys. Pramana - Journal of Physics, 2002, 58, 777-782.	0.9	3
39	The growth of a single crystal of Sr3CuIrO6 and its magnetic behavior compared to polycrystals. Pramana - Journal of Physics, 2002, 58, 1069-1073.	0.9	2
40	Magnetic characteristics of Sr3Cu1â^'xZnxIrO6, a spin-chain system with competing interactions. Physica B: Condensed Matter, 2002, 312-313, 632-633.	1.3	0
41	An unusual interplay among disorder, Kondo-effect and spin-glass behavior in the Kondo lattices, Ce2Au1â^'xCoxSi3. Solid State Communications, 2002, 121, 665-668.	0.9	34
42	Single-crystal growth of binary and ternary rare earth silicides. Journal of Crystal Growth, 2002, 237-239, 1976-1980.	0.7	17
43	Multiple magnetic transitions and anomalous magnetism in Tb2CuGe3. Solid State Communications, 2001, 117, 645-648.	0.9	16
44	Sr3CuIrO6, a spin-chain compound with random ferromagneticâ€"antiferromagnetic interactions. Solid State Communications, 2001, 120, 11-15.	0.9	16
45	Magnetic ordering and the Kondo effect in the alloys, Ce2Co1â^'xPdxSi3. Journal of Magnetism and Magnetic Materials, 2001, 223, 247-252.	1.0	6
46	Magnetic behavior of a new series of ternary compounds of the type, R2PtSi3 (R=La, Ce, Pr, Nd, Gd and) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	23
47	Magnetic and transport behavior of single-crystallineDy2PdSi3. Physical Review B, 2001, 64, .	1.1	35
48	Magnetic and electrical resistance behaviour of the oxides, Ca3â^'xYxLiRuO6 (x=0.0, 0.5 and 1.0). Solid State Communications, 2000, 114, 643-647.	0.9	16
49	Resistivity minimum and anisotropy in R2PdSi3 (R=Ce,Gd). Physica B: Condensed Matter, 2000, 281-282, 116-117.	1.3	6
50	Silence of magnetic layers to magnetoresistive process and electronic separation at low temperatures in (La, Sm)Mn2Ge2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 123-127.	0.9	9
51	La substitution induced linear temperature dependence of electrical resistivity and Kondo behavior in the alloys, Ce2â^'xLaxCoSi3. Solid State Communications, 1999, 110, 509-514.	0.9	28
52	Magnetic behavior of Eu2â^'xYxPdSi3 alloys. Physica B: Condensed Matter, 1999, 259-261, 166-167.	1.3	1
53	Magnetic behaviour of R2PdSi3 compounds with R=Ce,Nd,Tbâ€"Er. Journal of Magnetism and Magnetic Materials, 1999, 202, 365-375.	1.0	87
54	Magnetic behavior of a new compound, Gd2PdGe3. Journal of Alloys and Compounds, 1999, 288, 61-64.	2.8	16

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55	Complex magnetism in a new alloy, Eu2PdSi3, with two crystallographically inequivalent sites. Journal of Magnetism and Magnetic Materials, 1998, 185, L135-L143.	1.0	48
56	Large low temperature magnetoresistance and magnetic anomalies in Tb2PdSi3 and Dy2PdSi3. Solid State Communications, 1998, 106, 169-172.	0.9	82
57	Residual resistivity ratio and its relation to the magnetoresistance behavior in LaMn2Ge2-derived alloys. Solid State Communications, 1998, 108, 349-353.	0.9	6
58	Magnetic anomalies in SmMn2Ge2. Physica B: Condensed Matter, 1997, 230-232, 731-734.	1.3	13
59	Magnetic ordering and spin fluctuation behavior in compounds of the type, Ce2(Pd,Rh)2In. Solid State Communications, 1997, 102, 59-64.	0.9	16
60	Heat-capacity and magnetoresistance anomalies in Gd alloys. Physica B: Condensed Matter, 1996, 223-224, 149-153.	1.3	7
61	Magnetic behaviour of new Ce compounds. Physica B: Condensed Matter, 1996, 223-224, 316-318.	1.3	16
62	Magnetic behavior of the alloys (Ce1â^'xYx)2PdSi3. Journal of Magnetism and Magnetic Materials, 1996, 164, L13-L17.	1.0	33
63	Effect of pressure on the NÃ©el temperature of CePd2Ge2. Physica B: Condensed Matter, 1996, 223-224, 307-309.	1.3	8
64	Large magnetoresistance in rare-earth based alloys. Physica B: Condensed Matter, 1996, 223-224, 313-315.	1.3	7
65	Magnetic behaviour of the new alloys CeTxSn2 (T î—» Fe, Co, Ni and Cu). Physica B: Condensed Matter, 1995, 205, 259-262.	1.3	6
66	Low temperature lattice strain in PrNi2Si2. Solid State Communications, 1995, 93, 123-125.	0.9	3
67	Effect of pressure on the thermal expansion coefficient of Kondo compound CeNi Ga4 â^'. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1233-1234.	1.0	2
68	Magnetic behavior of the alloys CeCuyGa4â^'y and Ce1â^'xLaxCuGa3. Journal of Magnetism and Magnetic Materials, 1995, 147, L240-L244.	1.0	12
69	Magnetic behaviour of CePd2Al. Journal of Alloys and Compounds, 1995, 218, L11-L13.	2.8	5
70	Pressure dependence of the NeÂ´el temperature of PrCu2Si2. Physica B: Condensed Matter, 1994, 194-196, 185-186.	1.3	0
71	Magnetic behaviour of CeCu0.86Ge2. Physica B: Condensed Matter, 1994, 199-200, 503-505.	1.3	2
72	Magnetic ordering in Ce2RhSi3. Journal of Magnetism and Magnetic Materials, 1994, 137, L239-L242.	1.0	33

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73	Anomalies in Pr-based compounds. Physica B: Condensed Matter, 1993, 186-188, 328-333.	1.3	12
74	The Kondo effect in Yb1â^'xLaxPd2Si2. Physica B: Condensed Matter, 1993, 186-188, 485-486.	1.3	4
75	Thermoelectric power on Ce1â^'xLaxPd2Si2. Physica B: Condensed Matter, 1993, 186-188, 525-527.	1.3	10
76	Heat capacity, resistivity and magnetic susceptibility behaviour of Pr1â^'xLaxCu2Si2 alloys. Physica B: Condensed Matter, 1993, 186-188, 639-642.	1.3	1
77	Antiferromagnetic Kondo lattice behaviour in CePd2Ga. Journal of Alloys and Compounds, 1993, 202, L7-L9.	2.8	6
78	Magnetic behaviour of the interstitial alloys of the type, CeMXGe2 (M = Fe, Co, Ni and Cu). Solid State Communications, 1992, 83, 765-770.	0.9	21
79	Phase transitions in PrCu2Ge2. Solid State Communications, 1992, 83, 609-613.	0.9	12
80	Ferromagnetic, dense Kondo behaviour in the alloys, CeNixGa4â^'x and CeCuxGa4â^'x. Solid State Communications, 1992, 81, 901-904.	0.9	21
81	Competition between Kondo effect and magnetic ordering in CeOd2Ge2. Solid State Communications, 1992, 81, 905-908.	0.9	10
82	Anomalous properties of PrBa2Cu3O7: a comment. Physica B: Condensed Matter, 1992, 176, 217-218.	1.3	4
83	Electrical resistance anomalies in the antiferromagnetic state of ternary Pr compounds. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 874-876.	1.0	6
84	Heat-capacity behavior of the alloys Pr1â^'xGdxCu2Si2. Journal of Magnetism and Magnetic Materials, 1992, 108, 85-86.	1.0	6
85	Thermal expansion coefficients of CeRh2â^'xNixSi2 alloys. Journal of Magnetism and Magnetic Materials, 1992, 108, 105-106.	1.0	4
86	Observation of heavy-fermion like behaviour and anomalous magnetism in a Pr-based metal. Solid State Communications, 1991, 78, 971-977.	0.9	20
87	Magnetic and superconducting behaviour of the oxides, Pr1â^'xGdxBa2Cu3Oy. Physica C: Superconductivity and Its Applications, 1991, 173, 331-336.	0.6	35
88	Competition between Kondo effect and magnetic ordering in LaxCe1â^'xPd2Si2. Physica B: Condensed Matter, 1990, 163, 365-367.	1.3	2
89	Unusual 151Eu MÃ¶ssbauer line broadening in EuPt2Si2. Physica B: Condensed Matter, 1990, 163, 591-593.	1.3	12
90	Thermoelectric power behaviour of CeRh2â^'xNixSi2 alloys. Solid State Communications, 1989, 71, 71-73.	0.9	15

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91	Superconductivity in the Bi-Sr-Ca(Y,Gd)-Cu-O system: DC magnetic susceptibility and microwave absorption investigations. Physica C: Superconductivity and Its Applications, 1989, 159, 267-272.	0.6	9
92	Suppression of superconductivity by lanthanum substitution in the Bi4Ca3Sr3Cu4Oy system. Solid State Communications, 1988, 68, 51-55.	0.9	11
93	Magnetic susceptibility and heat capacity studies in CeAl2Ga2 and CeNi2Sn2. Solid State Communications, 1988, 67, 945-948.	0.9	14
94	Heat capacity and magnetic susceptibility of mixed valent YbPt2Si2. Solid State Communications, 1988, 67, 949-951.	0.9	6
95	The effect of Ni and Pt substitution in CeRh2Si2. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 645-646.	1.0	6
96	YbPd2Si2, A moderate heavy fermion system. Solid State Communications, 1987, 61, 479-481.	0.9	20
97	Magnetism of CePd2Si2: Heat capacity and susceptibility studies. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 121, 454-456.	0.9	17
98	Investigation of 4f-magnetism in CeNi2P2, EuNi2P2 and YbNi2P2 by susceptibility and NMR studies. Solid State Communications, 1986, 60, 625-628.	0.9	11
99	Spectroscopic observation of intra- and inter-configurational excitations in the intermediate valence compound EuCu2Si2. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 343-344.	1.0	10
100	Valence state of Eu in Eu0.05Y0.95Ni2P2 and Eu0.05Y0.95Pd2P2. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 347-348.	1.0	11
101	Valence inhomogeneities in intermediate-valent Eu compounds. Solid State Communications, 1985, 55, 721-724.	0.9	25
102	Screening channels in 4f photoemission from light rare earth compounds. Solid State Communications, 1985, 55, 977-979.	0.9	31
103	4f mixing in ternary metallic cerium systems. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 212-214.	1.0	25
104	Valence state of Eu in EuPd2P2. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 407-409.	1.0	13
105	Temperature and pressure dependence of the mean valence of Eu in EuNi2P2. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 410-412.	1.0	35
106	Combined MÃ¶ssbauer and LIII-edge X-ray absorption study of mixed- valent EuPd2Si2 and EuNi2P2. Journal of Magnetism and Magnetic Materials, 1985, 49, 325-332.	1.0	44
107	Anomalous behaviour of the MÃ¶ssbauer resonance width in mixed valent EuNi2P2. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 413-416.	1.0	15
108	Valence state of Eu and unit-cell volume anomaly in EuPd2P2. Solid State Communications, 1984, 51, 701-704.	0.9	29

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109	High pressure thermopower and electrical resistance measurements in CeSn3, CeAl3, CeAl2 and CeIn3. Solid State Communications, 1983, 46, 549-551.	0.9	14
110	Lattice parameter and 195Pt NMR knight shift measurements in CePt2â^'xRhx system. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 413-414.	1.0	7
111	MÃ¶ssbauer studies of europium ternary pnictides. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 757-758.	1.0	8
112	X-ray spectroscopic study of TmNix intermetallic compounds. Journal of the Less Common Metals, 1983, 91, 217-222.	0.9	5
113	Magnetic susceptibility and NMR measurements in EuNi2P2, an intermediate valence system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 88, 180-182.	0.9	25
114	X-ray absorption spectroscopic study of a mixed valence system, EuPd2Si2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 81, 397-398.	0.9	23
115	Effect of pressure on the electrical resistivity and the thermoelectric power of EuPd2Si2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 83, 469-470.	0.9	8
116	MÃ¶ssbauer and x-ray absorption spectroscopic measurements on the new mixed-valence system EuNi2P2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 84, 275-277.	0.9	68
117	X-ray absorption spectroscopic study of the mixed valence system CePd3. Materials Research Bulletin, 1981, 16, 175-178.	2.7	5
118	Valence fluctuation in some Yb intermetallics by X-ray photoemission and X-ray absorption. Chemical Physics Letters, 1980, 76, 413-415.	1.2	44
119	X-ray absorption spectroscopic study of mixed valence systems EuCu2Si2, YbCu2Si2 and Sm4Bi3. Solid State Communications, 1980, 34, 617-620.	0.9	75
120	Some new materials REAl2Ga2 and their NMR and X-ray absorption studies. Materials Research Bulletin, 1980, 15, 939-943.	2.7	15
121	Magnetic susceptibility and NMR studies in RX2Si2 valence fluctuation in CeCu2Si2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 70, 356-358.	0.9	16