

Ev Sampathkumaran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11995336/publications.pdf>

Version: 2024-02-01

121
papers

1,774
citations

304368

22
h-index

377514

34
g-index

121
all docs

121
docs citations

121
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic behaviour of R_2PdSi_3 compounds with $R=Ce, Nd, Tb \text{---} Er$. Journal of Magnetism and Magnetic Materials, 1999, 202, 365-375.	1.0	87
2	Large low temperature magnetoresistance and magnetic anomalies in Tb_2PdSi_3 and Dy_2PdSi_3 . Solid State Communications, 1998, 106, 169-172.	0.9	82
3	Magnetic behaviour of quasi-one-dimensional oxides, $Ca_3Co_{1+x}Mn_{1-x}O_6$. Solid State Communications, 2003, 128, 79-84.	0.9	77
4	X-ray absorption spectroscopic study of mixed valence systems $EuCu_2Si_2$, $YbCu_2Si_2$ and Sm_4Bi_3 . Solid State Communications, 1980, 34, 617-620.	0.9	75
5	Mössbauer and x-ray absorption spectroscopic measurements on the new mixed-valence system $EuNi_2P_2$. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 84, 275-277.	0.9	68
6	Complex magnetism in a new alloy, Eu_2PdSi_3 , with two crystallographically inequivalent sites. Journal of Magnetism and Magnetic Materials, 1998, 185, L135-L143.	1.0	48
7	Valence fluctuation in some Yb intermetallics by X-ray photoemission and X-ray absorption. Chemical Physics Letters, 1980, 76, 413-415.	1.2	44
8	Combined Mössbauer and LIII-edge X-ray absorption study of mixed-valent $EuPd_2Si_2$ and $EuNi_2P_2$. Journal of Magnetism and Magnetic Materials, 1985, 49, 325-332.	1.0	44
9	Temperature and pressure dependence of the mean valence of Eu in $EuNi_2P_2$. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 410-412.	1.0	35
10	Magnetic and superconducting behaviour of the oxides, $Pr_{1-x}Gd_xBa_2Cu_3O_y$. Physica C: Superconductivity and Its Applications, 1991, 173, 331-336.	0.6	35
11	Magnetic and transport behavior of single-crystalline Dy_2PdSi_3 . Physical Review B, 2001, 64, .	1.1	35
12	An unusual interplay among disorder, Kondo-effect and spin-glass behavior in the Kondo lattices, $Ce_2Au_{1-x}Co_xSi_3$. Solid State Communications, 2002, 121, 665-668.	0.9	34
13	Magnetic ordering in Ce_2RhSi_3 . Journal of Magnetism and Magnetic Materials, 1994, 137, L239-L242.	1.0	33
14	Magnetic behavior of the alloys $(Ce_{1-x}Y_x)_2PdSi_3$. Journal of Magnetism and Magnetic Materials, 1996, 164, L13-L17.	1.0	33
15	Screening channels in 4f photoemission from light rare earth compounds. Solid State Communications, 1985, 55, 977-979.	0.9	31
16	Valence state of Eu and unit-cell volume anomaly in $EuPd_2P_2$. Solid State Communications, 1984, 51, 701-704.	0.9	29
17	La substitution induced linear temperature dependence of electrical resistivity and Kondo behavior in the alloys, $Ce_2\text{---}xLa_xCoSi_3$. Solid State Communications, 1999, 110, 509-514.	0.9	28
18	Magnetic and transport anomalies in the compounds, $RCuAs_2$ ($R=Pr, Nd, Sm, Gd, Tb, Dy, Ho, \text{ and } Er$). Physica B: Condensed Matter, 2004, 348, 465-474.	1.3	26

#	ARTICLE	IF	CITATIONS
19	Magnetic susceptibility and NMR measurements in EuNi_2P_2 , an intermediate valence system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 88, 180-182.	0.9	25
20	Valence inhomogeneities in intermediate-valent Eu compounds. <i>Solid State Communications</i> , 1985, 55, 721-724.	0.9	25
21	4f mixing in ternary metallic cerium systems. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 47-48, 212-214.	1.0	25
22	X-ray absorption spectroscopic study of a mixed valence system, EuPd_2Si_2 . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 81, 397-398.	0.9	23
23	Magnetic behavior of a new series of ternary compounds of the type, R_2PtSi_3 (R=La, Ce, Pr, Nd, Gd and Tj) <i>ETQq1</i> 1,0,784314,rgBT /Ove	1.0	23
24	Heat-capacity anomalies in the presence of high magnetic fields in the spin-chain compound, $\text{Ca}_3\text{Co}_2\text{O}_6$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 284, L7-L11.	1.0	23
25	Magnetic behaviour of the interstitial alloys of the type, CeMXGe_2 (M = Fe, Co, Ni and Cu). <i>Solid State Communications</i> , 1992, 83, 765-770.	0.9	21
26	Ferromagnetic, dense Kondo behaviour in the alloys, $\text{CeNi}_x\text{Ga}_{4-x}$ and $\text{CeCu}_x\text{Ga}_{4-x}$. <i>Solid State Communications</i> , 1992, 81, 901-904.	0.9	21
27	YbPd_2Si_2 , A moderate heavy fermion system. <i>Solid State Communications</i> , 1987, 61, 479-481.	0.9	20
28	Observation of heavy-fermion like behaviour and anomalous magnetism in a Pr-based metal. <i>Solid State Communications</i> , 1991, 78, 971-977.	0.9	20
29	Reentrant spin-glass and transport behavior of Gd_4PtAl , a compound with three sites for Gd. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 490, 165515.	1.0	19
30	Insight into the magnetism of a distorted Kagome lattice, $\text{Dy}_3\text{Ru}_4\text{Al}_{12}$, based on polycrystalline studies. <i>Intermetallics</i> , 2016, 76, 26-32.	1.8	18
31	Magnetism of CePd_2Si_2 : Heat capacity and susceptibility studies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 121, 454-456.	0.9	17
32	Single-crystal growth of binary and ternary rare earth silicides. <i>Journal of Crystal Growth</i> , 2002, 237-239, 1976-1980.	0.7	17
33	Magnetic susceptibility and NMR studies in RX_2Si_2 valence fluctuation in CeCu_2Si_2 . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 70, 356-358.	0.9	16
34	Magnetic behaviour of new Ce compounds. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 316-318.	1.3	16
35	Magnetic ordering and spin fluctuation behavior in compounds of the type, $\text{Ce}_2(\text{Pd,Rh})_2\text{In}$. <i>Solid State Communications</i> , 1997, 102, 59-64.	0.9	16
36	Magnetic behavior of a new compound, Gd_2PdGe_3 . <i>Journal of Alloys and Compounds</i> , 1999, 288, 61-64.	2.8	16

#	ARTICLE	IF	CITATIONS
37	Magnetic and electrical resistance behaviour of the oxides, $\text{Ca}_{3-x}\text{Y}_x\text{LiRuO}_6$ ($x=0.0, 0.5$ and 1.0). Solid State Communications, 2000, 114, 643-647.	0.9	16
38	Multiple magnetic transitions and anomalous magnetism in Tb_2CuGe_3 . Solid State Communications, 2001, 117, 645-648.	0.9	16
39	$\text{Sr}_3\text{Cu}_2\text{RuO}_6$, a spin-chain compound with random ferromagnetic-antiferromagnetic interactions. Solid State Communications, 2001, 120, 11-15.	0.9	16
40	Some new materials REAl_2Ga_2 and their NMR and X-ray absorption studies. Materials Research Bulletin, 1980, 15, 939-943.	2.7	15
41	Anomalous behaviour of the Mössbauer resonance width in mixed valent EuNi_2P_2 . Journal of Magnetism and Magnetic Materials, 1985, 47-48, 413-416.	1.0	15
42	Thermoelectric power behaviour of $\text{CeRh}_2-x\text{Ni}_x\text{Si}_2$ alloys. Solid State Communications, 1989, 71, 71-73.	0.9	15
43	High pressure thermopower and electrical resistance measurements in CeSn_3 , CeAl_3 , CeAl_2 and CeIn_3 . Solid State Communications, 1983, 46, 549-551.	0.9	14
44	Magnetic susceptibility and heat capacity studies in CeAl_2Ga_2 and CeNi_2Sn_2 . Solid State Communications, 1988, 67, 945-948.	0.9	14
45	Valence state of Eu in EuPd_2P_2 . Journal of Magnetism and Magnetic Materials, 1985, 47-48, 407-409.	1.0	13
46	Magnetic anomalies in SmMn_2Ge_2 . Physica B: Condensed Matter, 1997, 230-232, 731-734.	1.3	13
47	Magnetic and magnetoresistance behavior of Tb_7Rh_3 , 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
48	Unusual ^{151}Eu Mössbauer line broadening in EuPt_2Si_2 . Physica B: Condensed Matter, 1990, 163, 591-593.	1.3	12
49	Phase transitions in PrCu_2Ge_2 . Solid State Communications, 1992, 83, 609-613.	0.9	12
50	Anomalies in Pr-based compounds. Physica B: Condensed Matter, 1993, 186-188, 328-333.	1.3	12
51	Magnetic behavior of the alloys $\text{CeCu}_y\text{Ga}_{4-y}$ and $\text{Ce}_{1-x}\text{La}_x\text{CuGa}_3$. Journal of Magnetism and Magnetic Materials, 1995, 147, L240-L244.	1.0	12
52	Dielectric anomalies and magnetodielectric coupling behavior of single crystalline $\text{Ca}_3\text{Co}_2\text{O}_6$, a geometrically frustrated magnetic spin-chain system. Journal of Alloys and Compounds, 2016, 675, 364-369.	2.8	12
53	Investigation of 4f-magnetism in CeNi_2P_2 , EuNi_2P_2 and YbNi_2P_2 by susceptibility and NMR studies. Solid State Communications, 1986, 60, 625-628.	0.9	11
54	Valence state of Eu in $\text{Eu}_{0.05}\text{Y}_{0.95}\text{Ni}_2\text{P}_2$ and $\text{Eu}_{0.05}\text{Y}_{0.95}\text{Pd}_2\text{P}_2$. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 347-348.	1.0	11

#	ARTICLE	IF	CITATIONS
55	Suppression of superconductivity by lanthanum substitution in the Bi ₄ Ca ₃ Sr ₃ Cu ₄ O _y system. Solid State Communications, 1988, 68, 51-55.	0.9	11
56	Novel magnetic behavior of single-crystalline Er ₂ PdSi ₃ . Physica B: Condensed Matter, 2005, 355, 158-163.	1.3	11
57	Electrical resistivity and tunneling anomalies in CeCuAs ₂ . Physica B: Condensed Matter, 2005, 359-361, 108-110.	1.3	11
58	Spectroscopic observation of intra- and inter-configurational excitations in the intermediate valence compound EuCu ₂ Si ₂ . Journal of Magnetism and Magnetic Materials, 1986, 54-57, 343-344.	1.0	10
59	Competition between Kondo effect and magnetic ordering in CeO ₂ Ge ₂ . Solid State Communications, 1992, 81, 905-908.	0.9	10
60	Thermoelectric power on Ce _{1-x} La _x Pd ₂ Si ₂ . Physica B: Condensed Matter, 1993, 186-188, 525-527.	1.3	10
61	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
62	Silence of magnetic layers to magnetoresistive process and electronic separation at low temperatures in (La, Sm)Mn ₂ Ge ₂ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 123-127.	0.9	9
63	ESR investigation of the spin dynamics in (Gd _{1-x} Y _x) ₂ PdSi ₃ . Solid State Communications, 2003, 125, 327-331.	0.9	9
64	Effect of pressure on the electrical resistivity and the thermoelectric power of EuPd ₂ Si ₂ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 83, 469-470.	0.9	8
65	Mössbauer studies of europium ternary pnictides. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 757-758.	1.0	8
66	Effect of pressure on the Néel temperature of CePd ₂ Ge ₂ . Physica B: Condensed Matter, 1996, 223-224, 307-309.	1.3	8
67	High pressure effects on the electrical resistivity behavior of the Kondo lattice, YbPd ₂ Si ₂ . Solid State Communications, 2004, 132, 325-328.	0.9	8
68	Synthesis of fine particles of a geometrically frustrated spin-chain system Ca ₃ Co ₂ O ₆ through a pyrophoric route and its magnetic behavior. Journal of Alloys and Compounds, 2010, 498, 1-4.	2.8	8
69	Lattice parameter and ¹⁹⁵ Pt NMR knight shift measurements in CePt _{2-x} Rh _x system. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 413-414.	1.0	7
70	Heat-capacity and magnetoresistance anomalies in Gd alloys. Physica B: Condensed Matter, 1996, 223-224, 149-153.	1.3	7
71	Large magnetoresistance in rare-earth based alloys. Physica B: Condensed Matter, 1996, 223-224, 313-315.	1.3	7
72	Effect of a small disruption of the Ca site on the geometrically frustrated magnetic behavior of Ca ₃ CoRhO ₆ . Solid State Communications, 2007, 143, 149-152.	0.9	7

#	ARTICLE	IF	CITATIONS
73	Anisotropic re-entrant spin-glass features in a metallic kagome lattice, Tb ₃ Ru ₄ Al ₁₂ . Solid State Communications, 2019, 288, 64-67.	0.9	7
74	Neutron diffraction study of a metallic kagome lattice, Tb ₃ Ru ₄ Al ₁₂ . Journal of Magnetism and Magnetic Materials, 2019, 477, 83-87.	1.0	7
75	Heat capacity and magnetic susceptibility of mixed valent YbPt ₂ Si ₂ . Solid State Communications, 1988, 67, 949-951.	0.9	6
76	The effect of Ni and Pt substitution in CeRh ₂ Si ₂ . Journal of Magnetism and Magnetic Materials, 1988, 76-77, 645-646.	1.0	6
77	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
78	Heat-capacity behavior of the alloys Pr _{1-x} Gd _x Cu ₂ Si ₂ . Journal of Magnetism and Magnetic Materials, 1992, 108, 85-86.	1.0	6
79	Antiferromagnetic Kondo lattice behaviour in CePd ₂ Ga. Journal of Alloys and Compounds, 1993, 202, L7-L9.	2.8	6
80	Magnetic behaviour of the new alloys CeT _x Sn ₂ (T → Fe, Co, Ni and Cu). Physica B: Condensed Matter, 1995, 205, 259-262.	1.3	6
81	Residual resistivity ratio and its relation to the magnetoresistance behavior in LaMn ₂ Ge ₂ -derived alloys. Solid State Communications, 1998, 108, 349-353.	0.9	6
82	Resistivity minimum and anisotropy in R ₂ PdSi ₃ (R=Ce,Gd). Physica B: Condensed Matter, 2000, 281-282, 116-117.	1.3	6
83	Magnetic ordering and the Kondo effect in the alloys, Ce ₂ Co _{1-x} Pd _x Si ₃ . Journal of Magnetism and Magnetic Materials, 2001, 223, 247-252.	1.0	6
84	Magnetic behavior of spin-chain compounds, Sr ₃ ZnRhO ₆ and Ca ₃ NiMnO ₆ , from heat capacity and AC susceptibility studies. Journal of Solid State Chemistry, 2004, 177, 3270-3273.	1.4	6
85	Magnetic anomalies in single crystalline ErPd ₂ Si ₂ . Journal of Magnetism and Magnetic Materials, 2008, 320, 1549-1552.	1.0	6
86	Dielectric and multiferroic behavior in Sm ₂ BaNiO ₅ , a Haldane spin-chain compound. Physica B: Condensed Matter, 2017, 524, 123-126.	1.3	6
87	Influencing magnetism of quasi 1D spin-chain compound Ca ₃ CoMnO ₆ by Ni substitution at Co site. Journal of Magnetism and Magnetic Materials, 2019, 486, 165264.	1.0	6
88	X-ray absorption spectroscopic study of the mixed valence system CePd ₃ . Materials Research Bulletin, 1981, 16, 175-178.	2.7	5
89	X-ray spectroscopic study of TmNi _x intermetallic compounds. Journal of the Less Common Metals, 1983, 91, 217-222.	0.9	5
90	Magnetic behaviour of CePd ₂ Al. Journal of Alloys and Compounds, 1995, 218, L11-L13.	2.8	5

#	ARTICLE	IF	CITATIONS
91	Magnetic behavior of nanocrystalline LaMn ₂ Ge ₂ . Journal of Magnetism and Magnetic Materials, 2008, 320, L129-L131.	1.0	5
92	Anomalous properties of PrBa ₂ Cu ₃ O ₇ : a comment. Physica B: Condensed Matter, 1992, 176, 217-218.	1.3	4
93	Thermal expansion coefficients of CeRh ₂ ~ ^x Ni _x Si ₂ alloys. Journal of Magnetism and Magnetic Materials, 1992, 108, 105-106.	1.0	4
94	The Kondo effect in Yb ₁ ~ ^x La _x Pd ₂ Si ₂ . Physica B: Condensed Matter, 1993, 186-188, 485-486.	1.3	4
95	Insensitivity of magnetic anomalies in Sr ₃ NiPtO ₆ to positive and negative pressures. Journal of Alloys and Compounds, 2009, 484, 50-53.	2.8	4
96	Low temperature lattice strain in PrNi ₂ Si ₂ . Solid State Communications, 1995, 93, 123-125.	0.9	3
97	Spin-glass, antiferromagnetism and kondo behavior in Ce ₂ Au ₁ ~ ^x Co _x Si ₃ alloys. Pramana - Journal of Physics, 2002, 58, 777-782.	0.9	3
98	Contrasting magnetic behavior of fine particles of some Kondo lattices. Solid State Communications, 2012, 152, 606-611.	0.9	3
99	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
100	Magnetic frustration and paramagnetic state transport anomalies in Ho ₄ RhAl and Er ₄ RhAl: Possible test cases for newly identified roles of itinerant electrons. Journal of Magnetism and Magnetic Materials, 2021, 538, 168285.	1.0	3
101	Competition between Kondo effect and magnetic ordering in La _x Ce ₁ ~ ^x Pd ₂ Si ₂ . Physica B: Condensed Matter, 1990, 163, 365-367.	1.3	2
102	Magnetic behaviour of CeCu _{0.86} Ge ₂ . Physica B: Condensed Matter, 1994, 199-200, 503-505.	1.3	2
103	Effect of pressure on the thermal expansion coefficient of Kondo compound CeNi ₄ Ga ₄ ~ ^x . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1233-1234.	1.0	2
104	Neutron diffraction study of the crystal and magnetic structure of Ce ₂ Co ₁ ~ ^x AuxSi ₃ (x=0.4, 0.6, and 1.0). Journal of Magnetism and Magnetic Materials, 2008, 320, 100-104.	1.0	2
105	The growth of a single crystal of Sr ₃ CuIrO ₆ and its magnetic behavior compared to polycrystals. Pramana - Journal of Physics, 2002, 58, 1069-1073.	0.9	2
106	Magnetic anomalies in a new manganocuprate Gd ₃ Ba ₂ Mn ₂ Cu ₂ O ₁₂ . Solid State Communications, 2008, 147, 353-356.	0.9	2
107	Magnetic anomalies in nanocrystalline , a geometrically frustrated spin-chain compound. Solid State Communications, 2009, 149, 1641-1645.	0.9	2
108	Enhanced magnetic ordering temperature and dielectric behavior in off-stoichiometric Ca ₃ Cu ₁ ~ ^x Mn _{1+x} O ₆ (x=0.07). Solid State Communications, 2015, 223, 67-73.	0.9	2

#	ARTICLE	IF	CITATIONS
109	In-field neutron diffraction investigation of metamagnetism in Nd7Rh3. Physica B: Condensed Matter, 2018, 551, 127-131.	1.3	2
110	Eu valence transition behavior in the nano form of EuPd2Si2. Journal of Magnetism and Magnetic Materials, 2018, 465, 515-518.	1.0	2
111	Origin of destruction of multiferroicity in Tb2BaNiO5 by Sr doping and its implications. Journal of Alloys and Compounds, 2021, 862, 158514.	2.8	2
112	Heat capacity, resistivity and magnetic susceptibility behaviour of Pr1-xLaxCu2Si2 alloys. Physica B: Condensed Matter, 1993, 186-188, 639-642.	1.3	1
113	Magnetic behavior of Eu2-xYxPdSi3 alloys. Physica B: Condensed Matter, 1999, 259-261, 166-167.	1.3	1
114	Magnetic structures of Ce2Pd1-xCoxSi3 (x = 0.0, 0.2, 0.4, 0.6) compounds. Journal of Alloys and Compounds, 2004, 373, 73-77.	2.8	1
115	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
116	Pressure dependence of the Néel temperature of PrCu2Si2. Physica B: Condensed Matter, 1994, 194-196, 185-186.	1.3	0
117	Magnetic characteristics of Sr3Cu1-xZnxIrO6, a spin-chain system with competing interactions. Physica B: Condensed Matter, 2002, 312-313, 632-633.	1.3	0
118	Magnetic behavior of the spin-chain compound, Ca3CuRuO6. Physica B: Condensed Matter, 2006, 378-380, 1144-1145.	1.3	0
119	Kondo and magnetic ordering anomalies in Ce2-xRxCuPtSi3 (R=La, Y). Physica B: Condensed Matter, 2006, 378-380, 843-844.	1.3	0
120	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
121	Electronic transport minimum in SmCuAs2 at low temperatures and structural anomalies. Solid State Communications, 2013, 159, 29-31.	0.9	0