

Jörg Sichelschmidt

List of Publications by Year in descending order

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111
papers

1,927
citations

218677

26
h-index

302126

39
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111
all docs

111
docs citations

111
times ranked

1791
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Temperature Electron Spin Resonance of the Kondo Ion in a Heavy Fermion Metal: YbRh ₂ Si ₂ . Physical Review Letters, 2003, 91, 156401.	7.8	140
2	NaYbS ₂ : A planar spin-triangular-lattice magnet and putative spin liquid. Physical Review B, 2018, 98, 080401.	3.2	119
3	Field-induced instability of the quantum spin liquid ground state in the NaYbSe ₂ . Physical Review B, 2019, 99, 080401.	3.2	92
4	J _{eff} in the triangular-lattice compound NaYbO ₂ . Physical Review B, 2019, 99, 080401.	3.2	86
5	Intrinsic EPR in La _{2-x} Sr _x CuO ₄ : Manifestation of Three-Spin Polarons. Physical Review Letters, 1997, 79, 4274-4277.	7.8	77
6	Relevance of Ferromagnetic Correlations for the Electron Spin Resonance in Kondo Lattice Systems. Physical Review Letters, 2008, 100, 066401.	7.8	73
7	Magnetic, electronic, dielectric and optical properties of Pr(Ca: Sr)MnO ₃ . European Physical Journal B, 2001, 20, 7-17.	1.5	51
8	Sr ₂ V ₃ O ₉ and Ba ₂ V ₃ O ₉ : Quasi-one-dimensional spin-systems with an anomalous low temperature susceptibility. Physical Review B, 2003, 67, .	3.2	45
9	Optical signature of Weyl electronic structures in tantalum pnictides TaP and TaAs. Physical Review B, 2015, 91, 041401.	4.3	43
10	Microwave spectroscopy on heavy-fermion systems: Probing the dynamics of charges and magnetic moments. Physica Status Solidi (B): Basic Research, 2013, 250, 439-449.	1.5	41
11	Long-range superexchange in Cu ₂ O. Physical Review B, 2018, 98, 080401.	3.2	119

#	ARTICLE	IF	CITATIONS
19	Evolution of the Kondo State of YbRh_2Si_2 by High-Field ESR. Physical Review Letters, 2009, 102, 076405.		
20	Why could electron spin resonance be observed in a heavy fermion Kondo lattice?. European Physical Journal B, 2009, 72, 485-489.	1.5	29
21	On Fe "Fe Dumbbells in the Ideal and Real Structures of FeGa ₃ . Inorganic Chemistry, 2018, 57, 12908-12919.	4.0	29
22	Ferromagnetism and superconductivity in CeFeAs P		

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37	Spin fluctuations with two-dimensional XY behavior in a frustrated $S=1/2$ square-lattice ferromagnet. Physical Review B, 2013, 87, .	3.2	18
38	Spin dynamics of YbRh_2Si_2 observed by electron spin resonance. Journal of Physics Condensed Matter, 2007, 19, 116204.	1.8	17
39	Electron spin resonance of the Yb 4f moment in $\text{Yb}(\text{Rh}_{1-x}\text{Co}_x)_2\text{Si}_2$. Physical Review B, 2012, 85, .	3.2	16
40	Kondo-lattice ferromagnets and their peculiar order along the magnetically hard axis determined by the crystalline electric field. Physical Review B, 2019, 99, . Structure and magnetism of $\text{Ce}(\text{Ni}_{1-x}\text{Mn}_x)_2$	3.2	16
41	Structure and magnetism of $\text{Ce}(\text{Ni}_{1-x}\text{Mn}_x)_2$	3.2	15
42	Electron spin resonance in YbRh_2Si_2 : The role of the residual linewidth. Physica C: Superconductivity and Its Applications, 2007, 460-462, 686-687.	1.2	14
43	Anisotropic electron spin resonance of YbRh_2Si_2 . Journal of Physics Condensed Matter, 2010, 22, 135602. Electron spin resonance study of anisotropic interactions in a two-dimensional spin-gap magnet	1.8	14

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55	Hidden magnetic order in CuNCN. Physical Review B, 2012, 85, .	3.2	10
56	Metallic islands in the Kondo insulator $\text{SmB}_{6-x}\text{Mn}_x$. Physical Review Research, 2020, 2, .	1.1	1
57	Kondo ion electron spin resonance in. Physica B: Condensed Matter, 2005, 359-361, 17-19.	2.7	9
58	Microscopic investigation of low dimensional magnet $\text{Sc}_2\text{Cu}_2\text{O}_5$: combined experimental and <i>ab initio</i> approach. Journal of Physics Condensed Matter, 2019, 31, 245802.	1.8	9
59	Low temperature properties of the electron spin resonance in YbRh_2Si_2 . Physica Status Solidi (B): Basic Research, 2010, 247, 747-750.	1.5	8
60	$\text{K}_3\text{Ln}[\text{OB}(\text{OH})_2]_2[\text{HOPO}_3]_2$ (Ln=Yb, Lu): Layered rare-earth dihydrogen borate monohydrogen phosphates. Journal of Solid State Chemistry, 2011, 184, 1517-1522.	2.9	8
61	Far-infrared optical conductivity of CeCu_2Si_2 . Journal of Physics Condensed Matter, 2013, 25, 065602.	1.8	8
62	Electron spin resonance of the itinerant magnets ZrZn_2 and $\text{Nb}_3\text{Fe}_{2+y}$: A comparison. Journal of Physics: Conference Series, 2010, 200, 012035.	0.4	7
63	Optical study of the electronic structure of locally noncentrosymmetric CeRh_2Si_2 . Physical Review B, 2021, 104, .	1.1	1
64	Fröhlich-interaction induced one-phonon Raman scattering in La_2CuO_4 using an infrared laser. Solid State Communications, 1999, 112, 315-318.	1.9	6
65	Investigation of free radicals induced by light ions in CR-39 using ESR spectroscopy. Radiation Measurements, 2005, 40, 218-223.	1.4	6
66	Optical investigations of the clathrate $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$. European Physical Journal B, 2005, 46, 363-366.	1.5	6
67	Electron spin resonance of the ferromagnetic Kondo lattice CeRuPO . Journal of Physics Condensed Matter, 2010, 22, 435603.	1.8	6
68	Field dependence of the Eu^{2+} spin relaxation in EuFe_2As_2 . New Journal of Physics, 2012, 14, 063005.	2.9	6
69	Singlet ground state in the spin-12 weakly coupled dimer compound $\text{NH}_4[(\text{V}_2\text{O}_3)_2(4,4\text{-bpy})_2(\text{H}_2\text{PO}_4)(\text{PO}_4)_2] \cdot 0.5\text{H}_2\text{O}$. Physical Review B, 2017, 95, .	3.2	6
70	Spin dynamics of FeGa_3Ge studied by electron spin resonance. Journal of Physics Condensed Matter, 2018, 30, 045601.	1.8	6
71	Cu-EPR in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ single crystals. European Physical Journal B, 1994, 93, 407-409.	1.5	5
72	Optical conductivity of a non-Fermi-liquid material YbRh_2Si_2 . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 36-37.	2.3	5

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73	Electron spin resonance of the low-dimensional spin-system Sr ₂ V ₃ O ₉ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 960-961.	2.3	5
74	Electron spin resonance of Eu ²⁺ in the Eu doped clathrate Ba ₆ Ge ₂₅ . European Physical Journal B, 2005, 46, 201-205.	1.5	5
75	Optical properties of YbRh ₂ Si ₂ and YbIr ₂ Si ₂ : A comparison. Physica B: Condensed Matter, 2008, 403, 775-777.	2.7	5
76	Diluting a triangular-lattice spin liquid: Synthesis and characterization of NaYbS_2 single crystals. Physical Review Materials, 2022, 6, .	2.4	5
77	Unconventional superconductivity in UBe ₁₃ probed by uniaxial stress. Physica B: Condensed Matter, 2002, 312-313, 97-99.	2.7	4
78	Electron spin resonance of the Kondo ion in YbRh ₂ Si ₂ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 42-43.	2.3	4
79	Effect of pressure on the electron spin resonance of a heavy-fermion metal. Physical Review B, 2010, 81, .	3.2	4
80	Spin dynamics of S-state ions in the filled skutterudites La _{1-x} R _x Pt ₄ Ge ₁₂ (R=Gd, Eu). Physical Review B, 2012, 85, .	3.2	4
81	A novel europium (III) nitridoborate Eu ₃ [B ₃ N ₆]: Synthesis, crystal structure, magnetic properties, and Raman spectra. Journal of Solid State Chemistry, 2016, 239, 75-83.	2.9	4
82	Ca ₁₂ [Mn ₁₉ N ₂₃] and Ca ₁₃₃ [Mn ₂₁₆ N ₂₆₀]: Structural Complexity by 2D Intergrowth. Angewandte Chemie - International Edition, 2018, 57, 11579-11583.	13.8	4
83	Systematic manipulation of the surface conductivity of SmB ₆ . Physical Review Research, 2021, 3, .	3.6	4
84	Spin dynamics in La _{2-x} Sr _x CuO ₄ + $\hat{\Gamma}$ probed by electron paramagnetic resonance. Physica B: Condensed Matter, 1997, 230-232, 841-843.	2.7	3
85	Far-infrared optical investigation of the heavy-fermion semiconductor. Journal of Magnetism and Magnetic Materials, 2007, 310, 434-436.	2.3	3
86	Kondo lattice with heavy fermions: peculiarities of spin kinetics. Journal of Physics Condensed Matter, 2012, 24, 365601.	1.8	3
87	Ytterbium ESR in a lattice with weak coupling: the case of YbPt ₂ Sn. Journal of Physics: Conference Series, 2015, 592, 012017.	0.4	3
88	Paramagnetic resonance in GdRh ₂ Si ₂ . Journal of Physics: Conference Series, 2017, 807, 012007.	0.4	3
89	Angle-dependent electron spin resonance of YbRh_2Si_2 measured with planar microwave resonators and in-situ rotation. Physica B: Condensed Matter, 2018, 536, 331-334.	2.7	3
90	Weak magnetic anisotropy in GdRh ₂ Si ₂ studied by magnetic resonance. Physical Review B, 2018, 97, .	3.2	3

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91	Magnetocrystalline anisotropies in Mn _x PtSn thin films. APL Materials, 2021, 9, .	5.1	3
92	Surface excitations relaxation in the Kondo insulator Bm_6Sm . Physical Review Research, 2021, 3, math .	3.6	3
93	$\frac{1}{2 \times 2}$ square lattice compound Bm_6Sm		

#	ARTICLE	IF	CITATIONS
109	Magneto-Optics of the Weyl Semimetal TaAs in the THz and IR Regions. , 2020, , .		0
110	Uniaxial and fourfold basal anisotropy in GdRh ₂ Si ₂ . Journal of Physics Condensed Matter, 2020, 32, 495801.	1.8	0
111	Magnetic Anisotropy in YbAlO ₃ Studied by Electron Spin Resonance. Applied Magnetic Resonance, 0, , .	1.2	0