

Petr Proschek

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

225
citations

1040056

9
h-index

1058476

14
g-index

31
all docs

31
docs citations

31
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric ordering of water molecules arranged in a dipolar lattice. Nature Communications, 2020, 11, 3927.	12.8	33
2	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet V . Physical Review B, 2021, 103, 020407.	3.2	27
3	Pressure-induced quantum phase transition in the itinerant ferromagnet UCoGa. AIP Advances, 2017, 7, 055712.	3.2	19
4	Magnetotransport as a probe of phase transformations in metallic antiferromagnets: The case of UIrSi ₃ . Physical Review B, 2019, 100, .	3.2	15
5	Magnetic properties and crystal field splitting of the rare-earth pyrochlore Er_2O_7 . Physical Review B, 2020, 102, .	3.2	12
6	Magnetic properties and phase diagram of NdPd ₅ Al ₂ . Journal of Alloys and Compounds, 2016, 675, 94-98.	5.5	11
7	Quantum ferromagnet in the proximity of the tricritical point. Npj Quantum Materials, 2017, 2, .	5.2	11
8	Intriguing behavior of UC . Physical Review B, 2017, 95, 020407.	3.2	8
9	ferromagnets in magnetic field along the UC axis. Physical Review B, 2017, 95, 020407.	3.2	8
10	Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice. Physical Chemistry Chemical Physics, 2022, 24, 6890-6904.	2.8	8
11	Fingerprints of Critical Phenomena in a Quantum Paraelectric Ensemble of Nanoconfined Water Molecules. Nano Letters, 2022, 22, 3380-3384.	9.1	8
12	Magnetoelastic phenomena in antiferromagnetic uranium intermetallics: The UAu case. Physical Review B, 2018, 98, .	3.2	7
13	Lead-substituted barium hexaferrite for tunable terahertz optoelectronics. NPG Asia Materials, 2021, 13, .	7.9	7
14	Spin-Glass State in Defect-Fluorite $Er_2Zr_2O_7$. Acta Physica Polonica A, 2020, 137, 750-752.	0.5	7
15	Low-temperature study of an Er ₂ Ti ₂ O ₇ single crystal synthesized by floating zone technique and simplified feed rod preparation route. Journal of Crystal Growth, 2020, 546, 125783.	1.5	6
16	Pressure evolution of magnetism in URhGa. AIP Advances, 2018, 8, .	1.3	3
17	Effect of thermal history on magnetism in UCoGa. Journal of Magnetism and Magnetic Materials, 2019, 490, 165464.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Seemingly anisotropic magnetodielectric effect in isotropic EuTiO_3 ceramics. <i>Physical Review B</i> , 2020, 102, .	3.2	3
20	Pressure induced superconductivity in a CeRhSi_3 single crystal—the high pressure study. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 035602.	1.8	3
21	Alloying-driven transition between ferromagnetism and antiferromagnetism in UTe_2 compounds: U_2Co . <i>Physical Review B</i> , 2022, 105, .	3.2	2
22	$\text{La}_2\text{Pd}_2\text{In}$: superconductivity and lattice properties at ambient and elevated pressures. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 145403.	1.8	2
23	CePd_2Ga_3 and CePd_2Zn_3 Kondo lattices and magnetic behaviour. <i>Physica B: Condensed Matter</i> , 2018, 536, 413-417.	2.7	1
24	CePt_2Al_2 : Structural and Bulk Properties. <i>Inorganic Chemistry</i> , 2020, 59, 12263-12275.	4.0	1
25	Effect of localization of 5f -electrons and pressure on magnetism in uranium intermetallics in spin-fluctuation theory. <i>Physical Review B</i> , 2020, 102, .	3.2	1
26	Impact of isoelectronic substitution and hydrostatic pressure on the quantum critical properties of CeRhSi_3 . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 425601.	1.8	1
27	Weakly anisotropic ferromagnet EuRu_2P_2 : Ambient and hydrostatic pressure characterization. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158753.	5.5	1
28	High-pressure study of electronic properties of a CeCuAl_3 single crystal. <i>Intermetallics</i> , 2022, 144, 107518.	3.9	1
29	Broad-Band Spectroscopy of Nanoconfined Water Molecules. <i>IFMBE Proceedings</i> , 2020, , 7-11.	0.3	0
30	Anisotropic magnetodielectric effect in isotropic EuTiO_3 ceramics. , 2020, , .		0