

Petr Opletal

List of Publications by Year in descending order

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14
papers

115
citations

1478505

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1281871

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docs citations

14
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	First Observation of the de Haas-van Alphen Effect and Fermi Surfaces in the Unconventional Superconductor UTe_2 . <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	29
2	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet $\langle \mathbf{V} \rangle$. <i>Physical Review B</i> , 2021, 103, .	3.2	27
3	Antiferromagnetism and phase transitions in noncentrosymmetric ULrSi_3 . <i>Physical Review B</i> , 2018, 97, .	3.2	14
4	Pressure-induced quantum phase transition in the itinerant ferromagnet UCoGa . <i>AIP Advances</i> , 2017, 7, 055712.	1.3	12
5	Quantum ferromagnet in the proximity of the tricritical point. <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	11
6	Properties and Collapse of the Ferromagnetism in $\text{UCo}_{1-x}\text{Ru}_x\text{Al}$ Studied in Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 034710.	1.6	9
7	Evolution of magnetism in UCoGe and UCoAl with Ru doping. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015, 6, 015017.	1.5	4
8	Pressure evolution of magnetism in URhGa . <i>AIP Advances</i> , 2018, 8, .	1.3	3
9	Effect of thermal history on magnetism in UCoGa . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 490, 165464.	2.3	3
10	Electrical resistivity across the tricriticality in itinerant ferromagnet. <i>AIP Advances</i> , 2018, 8, 055710.	1.3	1
11	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
12	Different universality classes of isostructural UTX compounds ($T=\text{Rh,Co,Co}_{0.98}\text{Ru}_{0.02}; X=\text{Ga,Al}$). <i>Physical Review B</i> , 2020, 102, .	3.2	1
13	Extreme narrow magnetic domain walls in U ferromagnets: The UCoGa case. <i>Materials Today Communications</i> , 2020, 24, 101017.	1.9	0
14	Two Ferromagnetic QCP in $\text{UCo}_{1-x}\text{Ru}_x\text{Al}$ Compounds. , 2014, , .		0