

# Petr Opletal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2207115/publications.pdf>

Version: 2024-02-01

14  
papers

115  
citations

1478505

6  
h-index

1281871

11  
g-index

14  
all docs

14  
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 $UTe_2$ . Journal of the Physical Society of Japan, 2022, 91, .	1.6	29
2	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet $V_3I$ . Physical Review B, 2021, 103, .	3.2	27
3	Effect of localization of 5f -electrons and pressure on magnetism in uranium intermetallics in spin-fluctuation theory. Physical Review B, 2020, 102, .	3.2	1
4	Extreme narrow magnetic domain walls in U ferromagnets: The UCoGa case. Materials Today Communications, 2020, 24, 101017.	1.9	0
5	Different universality classes of isostructural UTX compounds (T=Rh,Co,Co <sub>0.98</sub> Ru <sub>0.02</sub> ;X=Ga,Al). Physical Review B, 2020, 102, .	3.2	1
6	Effect of thermal history on magnetism in UCoGa. Journal of Magnetism and Magnetic Materials, 2019, 490, 165464.	2.3	3
7	Electrical resistivity across the tricriticality in itinerant ferromagnet. AIP Advances, 2018, 8, 055710.	1.3	1
8	Antiferromagnetism and phase transitions in noncentrosymmetric UIrSi <sub>3</sub> . Physical Review B, 2018, 97, .	3.2	14
9	Pressure evolution of magnetism in URhGa. AIP Advances, 2018, 8, .	1.3	3
10	Quantum ferromagnet in the proximity of the tricritical point. Npj Quantum Materials, 2017, 2, .	5.2	11
11	Pressure-induced quantum phase transition in the itinerant ferromagnet UCoGa. AIP Advances, 2017, 7, 055712.	1.3	12
12	Properties and Collapse of the Ferromagnetism in $UCo_{1-x}Ru_xAl$ Studied in Single Crystals. Journal of the Physical Society of Japan, 2016, 85, 034710.	1.6	9
13	Evolution of magnetism in UCoGe and UCoAl with Ru doping. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2015, 6, 015017.	1.5	4
14	Two Ferromagnetic QCP in $UCo_{1-x}Ru_xAl$ Compounds. , 2014, , .		0