

Fazel Tafti

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Magnetic and Optical Properties of the van der Waals Crystal CrCl_3 via Mixed Halide Chemistry. <i>Advanced Materials</i> , 2018, 30, e1801325.	21.0	100
2	Cu_2IrO_3 : A New Magnetically Frustrated Honeycomb Iridate. <i>Journal of the American Chemical Society</i> , 2017, 139, 15371-15376.	13.7	83
3	Thermodynamic Evidence of Proximity to a Kitaev Spin Liquid in Ag_3MnO_6 . <i>Physical Review Letters</i> , 2019, 123, 237203.	11.3	100
4	Weyl-mediated helical magnetism in NdAlSi . <i>Nature Materials</i> , 2021, 20, 1650-1656.	27.5	48
5	Accessing new magnetic regimes by tuning the ligand spin-orbit coupling in van der Waals magnets. <i>Science Advances</i> , 2020, 6, eabb9379.	10.3	42
6	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. <i>Physical Review B</i> , 2021, 103, .	3.2	42
7	Extreme magnetoresistance in the topologically trivial lanthanum monopnictide LaAs . <i>Physical Review B</i> , 2017, 96, .	3.2	41
8	Transition from intrinsic to extrinsic anomalous Hall effect in the ferromagnetic Weyl semimetal PrAlGe_2 . <i>APL Materials</i> , 2020, 8, .	5.1	41
9	Coexistence of static and dynamic magnetism in the Kitaev spin liquid material $\text{Cu}_2\text{Mn}_2\text{O}_6$. <i>Physical Review B</i> , 2019, 100, .	3.2	36
10	Au Dendrite Electrocatalysts for CO_2 Electrolysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10006-10016.	3.1	30
11	Colossal Magnetoresistance without Mixed Valence in a Layered Phosphide Crystal. <i>Advanced Materials</i> , 2021, 33, e2005755.	21.0	29
12	Spin Excitations of a Proximate Kitaev Quantum Spin Liquid Realized in $\text{Cu}_2\text{Mn}_2\text{O}_6$. <i>Physical Review X</i> , 2019, 9, .	8.9	27
13	Effect of structural disorder on the Kitaev magnet Ag_3MnO_6 . <i>Physical Review B</i> , 2021, 103, .	3.2	25
14	Interplay of magnetism and transport in HoBi . <i>Physical Review B</i> , 2018, 98, .	3.2	19
15	NMR investigation on the honeycomb iridate $\text{Ag}_3\text{LiIr}_2\text{O}_6$. <i>Physical Review B</i> , 2021, 103, .	3.2	17
16	Mapping domain-wall topology in the magnetic Weyl semimetal CeAlSi . <i>Physical Review B</i> , 2021, 104, .	3.2	17
17	Picoscale Magnetoelasticity Governs Heterogeneous Magnetic Domains in a Noncentrosymmetric Ferromagnetic Weyl Semimetal. <i>Advanced Quantum Technologies</i> , 2021, 4, 2000101.	3.9	14
18	Crystal Chemistry and Phonon Heat Capacity in Quaternary Honeycomb Delafossites: $\text{Cu}[\text{Li}_{1/3}\text{Sn}_{2/3}\text{O}]_2$ and $\text{Cu}[\text{Na}_{1/3}\text{Sn}_{2/3}\text{O}]_2$. <i>Inorganic Chemistry</i> , 2018, 57, 12709-12717.	4.0	13

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19	Complex pressure-temperature structural phase diagram of the honeycomb iridate Cu ₂ IrO ₃ . Physical Review B, 2021, 104, .	3.2	12
20	Enhanced hybridization in the electronic ground state of the intercalated honeycomb iridate Ag ₃ LiIr ₂ O ₆ . Physical Review B, 2021, 104, .	3.2	11
21	Anisotropy of the magnetic and transport properties of EuZn_2As_2 . Physical Review B, 2022, 105, .	3.2	9
22	Evidence of a coupled electron-phonon liquid in NbGe ₂ . Nature Communications, 2021, 12, 5292.	12.8	8
23	2D correlations in the van der Waals ferromagnet CrBr ₃ using high frequency electron spin resonance spectroscopy. Journal of Applied Physics, 2021, 129, 233902.	2.5	7
24	Metastable Kitaev Magnets. Molecules, 2022, 27, 871.	3.8	6
25	First demonstration of tuning between the Kitaev and Ising limits in a honeycomb lattice. Science Advances, 2022, 8, eabl5671.	10.3	6
26	ac Susceptometry of 2D van der Waals Magnets Enabled by the Coherent Control of Quantum Sensors. PRX Quantum, 2021, 2, .	9.2	5
27	Pressure dependent magnetic properties on bulk CrBr ₃ single crystals. Journal of Alloys and Compounds, 2022, 911, 165034.	5.5	5
28	Tuning the magnetic and structural properties of a three-metal boride alloy: Mn _{0.95} Fe _{1.05} Co B. Journal of Alloys and Compounds, 2019, 805, 909-914.	5.5	4
29	Transient grating measurements at ultralow probe power. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 433.	2.1	4
30	Antiferromagnetic Order and Spin-Canting Transition in the Corrugated Square Net Compound Cu ₃ (TeO ₄)(SO ₄) ₂ H ₂ O. Inorganic Chemistry, 2021, 60, 10565-10571.	4.0	3
31	Effect of hydrothermal conditions on superconductivity and magnetism in [Li ⁺ Fe ^{OH}]FeS. Materials Chemistry and Physics, 2018, 217, 451-456.	4.0	2
32	Pressure-induced magnetism in the iron-based superconductors AFe_2O_7 ($\text{A} = \text{Ca, Sr, Ba}$). Physical Review B, 2019, 100, 020407.	3.2	2