

Joseph Aâ€™m Paddison

List of Publications by Year in descending order

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25
papers

966
citations

516215

16
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous excitations of the triangular-lattice quantum spin liquid YbMgGaO ₄ . Nature Physics, 2017, 13, 117-122.	6.5	276
2	Hidden order in spin-liquid Gd ₃ Ga ₅ O ₁₂ . Science, 2015, 350, 179-181.	6.0	85
3	Emergent order in the kagome Ising magnet Dy ₃ Mg ₂ Sb ₃ O ₁₄ . Nature Communications, 2016, 7, 13842.	5.8	67
4	spinvert: a program for refinement of paramagnetic diffuse scattering data. Journal of Physics Condensed Matter, 2013, 25, 454220.	0.7	55
5	Empirical Magnetic Structure Solution of Frustrated Spin Systems. Physical Review Letters, 2012, 108, 017204.	2.9	52
6	Searching beyond Gd for magnetocaloric frameworks: magnetic properties and interactions of the Ln(HCO ₂) ₂ series. Materials Horizons, 2015, 2, 528-535.	6.4	49
7	Hierarchy of Exchange Interactions in the Triangular-Lattice Spin Liquid YbMgGaO_4 . Physical Review X, 2018, 8, .	2.8	49
8	Emergent Frustration in Co-doped Li_2MnO_3 -Mn. Physical Review Letters, 2013, 110, 267207.	2.9	42
9	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS_3 . Orbital Dimer Model for the Spin-Glass State in FePS_3 . Physical Review Letters, 2017, 118, 067201.	2.8	36
10	Orbital Dimer Model for the Spin-Glass State in FePS_3 . Physical Review Letters, 2017, 118, 067201.	2.9	34
11	Physical Review Letters, 2017, 118, 067201.	1.1	31
12	Encoding complexity within supramolecular analogues of frustrated magnets. Nature Chemistry, 2016, 8, 442-447.	6.6	26
13	Ultrafast calculation of diffuse scattering from atomistic models. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 14-24.	0.0	24
14	Cluster Frustration in the Breathing Pyrochlore Magnet $\text{LiGaCr}_4\text{S}_8$. Physical Review Letters, 2020, 125, 167201.	1.1	20
15	Low-dimensional quantum magnetism in Cu_2O : A molecular framework material. Physical Review B, 2018, 97, .	1.1	19
16	Magnetic structure of paramagnetic MnO. Physical Review B, 2018, 97, .	1.1	16
17	Quantum Versus Classical Spin Fragmentation in Dipolar Kagome Ice Ho ₃ Mg ₂ Sb ₃ O ₁₄ . Physical Review X, 2020, 10, .	2.8	16
18	Strengthening the Magnetic Interactions in Pseudobinary First-Row Transition Metal Thiocyanates, M(NCS) ₂ . Inorganic Chemistry, 2020, 59, 11627-11639.	1.9	14

#	ARTICLE	IF	CITATIONS
19	Scattering Signatures of Bond-Dependent Magnetic Interactions. Physical Review Letters, 2020, 125, 247202.	2.9	13
20	Suppressed-moment 2-k order in the canonical frustrated antiferromagnet Gd ₂ Ti ₂ O ₇ . Npj Quantum Materials, 2021, 6, .	1.8	10
21	Geometric Frustration on the Trillium Lattice in a Magnetic Metal-Organic Framework. Physical Review Letters, 2022, 128, 177201.	2.9	10
22	Spin correlations in the dipolar pyrochlore antiferromagnet Gd ₂ Sn ₂ O ₇ . Journal of Physics Condensed Matter, 2017, 29, 144001.	0.7	7
23	Sample Dependence of Magnetism in the Next-Generation Cathode Material LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ . Inorganic Chemistry, 2021, 60, 263-271.	1.9	6
24	Hierarchical excitations from correlated spin tetrahedra on the breathing pyrochlore lattice. Physical Review B, 2021, 103, .	1.1	5
25	Magnetic structure and exchange interactions in the Heisenberg pyrochlore antiferromagnet Cd ₂ Pt ₂ O ₇ . Physical Review B, 2022, 105, .	1.1	4