

Kemp Plumb

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3531677/publications.pdf>

Version: 2024-02-01

18
papers

1,968
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a}^{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{RuCl} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$: A spin-orbit assisted Mott insulator on a honeycomb lattice. <i>Physical Review B</i> , 2014, 90, .	3.2	607
2	Magnetic order in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a}^{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{RuCl} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. A honeycomb-lattice quantum magnet with strong spin-orbit coupling. <i>Physical Review B</i> , 2015, 91, .	3.2	367
3	Scattering Continuum and Possible Fractionalized Excitations in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{RuCl} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review Letters</i> , 2015, 114, 147201.	7.8	367
4	Spin-orbit coupling in iridium-based 5 $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ compounds probed by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2012, 86, .	3.2	187
5	Spin-orbit excitations and electronic structure of the putative Kitaev magnet $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a}^{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{RuCl} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2016, 93, .	3.2	367
6	Continuum of quantum fluctuations in a three-dimensional $S=1$ Heisenberg magnet. <i>Nature Physics</i> , 2019, 15, 54-59.	16.7	62
7	Dynamical Structure Factor of the Three-Dimensional Quantum Spin Liquid Candidate $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{NaCaNi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle F \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review Letters</i> , 2019, 123, 167202.	7.8	48
8	Quasiparticle-continuum level repulsion in a quantum magnet. <i>Nature Physics</i> , 2016, 12, 224-229.	16.7	33
9	Rearrangement of van der Waals stacking and formation of a singlet state at $T = 90$ K in a cluster magnet. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 481-490.	6.0	28
10	$\text{NaSrMn} \langle \text{mml:sub} \rangle 2 \langle \text{mml:sub} \rangle F \langle \text{mml:sub} \rangle 7 \langle \text{mml:sub} \rangle$, $\text{NaCaFe} \langle \text{mml:sub} \rangle 2 \langle \text{mml:sub} \rangle F \langle \text{mml:sub} \rangle 7 \langle \text{mml:sub} \rangle$, and $\text{NaSrFe} \langle \text{mml:sub} \rangle 2 \langle \text{mml:sub} \rangle F \langle \text{mml:sub} \rangle 7 \langle \text{mml:sub} \rangle$: novel single crystal pyrochlore antiferromagnets. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 045801.	1.8	25
11	High-energy continuum of magnetic excitations in the two-dimensional quantum antiferromagnet $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Sr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2014, 89, .	3.2	22
12	Incommensurate dynamic correlations in the quasi-two-dimensional spin liquid $\text{BiCu} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{PO} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2013, 88, .	3.2	21
13	Antiferromagnetic and Orbital Ordering on a Diamond Lattice Near Quantum Criticality. <i>Physical Review X</i> , 2016, 6, .	8.9	21
14	Neutron scattering study of magnetic excitations in a 5 $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -based double-perovskite $\text{Ba} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{FeReO} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2016, 93, .	3.2	18
15	Enhanced hybridization in the electronic ground state of the intercalated honeycomb iridate $\text{Ag}_3\text{LiIr}_2\text{O}_6$. <i>Physical Review B</i> , 2021, 104, .	3.2	11
16	Growth and characterization of iron scandium sulfide (FeSc_2S_4). <i>Journal of Crystal Growth</i> , 2016, 454, 128-133.	1.5	9
17	From mean-field localized magnetism to itinerant spin fluctuations in the nonmetallic metal FeCrAs . <i>Physical Review B</i> , 2018, 97, .	3.2	7
18	Multi-Parameter Analysis of Spindle and Cell Cycle Dynamics in Asymmetric Cell Division. <i>Biophysical Journal</i> , 2009, 96, 133a.	0.5	0