

Andrej Pustogow

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

943
citations

516710

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h-index

434195

31
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37
all docs

37
docs citations

37
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the superconducting order parameter in Sr ₂ RuO ₄ from oxygen-17 nuclear magnetic resonance. <i>Nature</i> , 2019, 574, 72-75.	27.8	264
2	Quantum spin liquids unveil the genuine Mott state. <i>Nature Materials</i> , 2018, 17, 773-777.	27.5	61
3	Evidence for even parity unconventional superconductivity in Sr ₂ RuO ₄ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	54
4	Lattice vibrations of the charge-transfer salt La_2CuO_4 . Comprehensive explanation of the electrodynamic response in a spin-liquid compound. <i>Physical Review B</i> , 2016, 93, .	3.2	43
5	Detuning the honeycomb of La_2CuO_4 : Pressure-dependent optical studies reveal broken symmetry. <i>Physical Review B</i> , 2018, 97, .	3.2	43
6	Gapped magnetic ground state in quantum spin liquid candidate La_2CuO_4 (CN). <i>Science</i> , 2021, 372, 276-279.	12.6	38
7	Anion effects on electronic structure and electrodynamic properties of the Mott insulator La_2CuO_4 . <i>Physical Review B</i> , 2016, 94, .	3.2	36
8	Strong magnetic frustration in $\text{Y}_3\text{Cu}_9(\text{OH})_{19}\text{Cl}_8$: a distorted kagome antiferromagnet. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2629-2635.	5.5	33
9	Rise and fall of Landau quasiparticles while approaching the Mott transition. <i>Nature Communications</i> , 2021, 12, 1571.	12.8	25
10	Electronic correlations versus lattice interactions: Interplay of charge and anion orders in La_2CuO_4 . <i>Physical Review B</i> , 2016, 94, .	3.2	24
11	Internal strain tunes electronic correlations on the nanoscale. <i>Science Advances</i> , 2018, 4, eaau9123.	10.3	24
12	Low-temperature dielectric anomaly arising from electronic phase separation at the Mott insulator-metal transition. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	24
13	Electrodynamics of quantum spin liquids. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 203001.	1.8	19
14	Impurity moments conceal low-energy relaxation of quantum spin liquids. <i>Physical Review B</i> , 2020, 101, .	3.2	19
15	Structural and Electronic Properties of (TMTTF) ₂ X Salts with Tetrahedral Anions. <i>Crystals</i> , 2018, 8, 121.	2.2	17
16	Electrodynamics in Organic Dimer Insulators Close to Mott Critical Point. <i>Crystals</i> , 2018, 8, 190.	2.2	17
17	Raman spectroscopy evidence of domain walls in the organic electronic ferroelectrics La_2CuO_4 with $a = 0.16\text{nm}$		

#	ARTICLE	IF	CITATIONS
19	$\langle O \rangle$ <p>NMR Studies of 17</p>	8.9	16
20	Charge order in $SrRuO_6$ BEDT-TTF salts. Physical Review B, 2019, 99, .	1.5	15
21	Anderson transition in stoichiometric Fe ₂ VAl: high thermoelectric performance from impurity bands. Nature Communications, 2022, 13, .	12.8	15
22	Thirty-Year Anniversary of $\hat{\nu}$ -(BEDT-TTF) ₂ Cu ₂ (CN) ₃ : Reconciling the Spin Gap in a Spin-Liquid Candidate. Solids, 2022, 3, 93-110.	2.4	14
23	Low-Energy Excitations in Quantum Spin Liquids Identified by Optical Spectroscopy. Physical Review Letters, 2018, 121, 056402.	7.8	13
24	Coexistence of charge order and superconductivity in $\hat{\nu}$ Physical Review B, 2019, 99, .	1.3	13
25	Lattice dynamics in the spin-12 frustrated kagome compound herbertsmithite. Physical Review B, 2020, 101, .	3.2	13
26	Phase coexistence at the first-order Mott transition revealed by pressure-dependent dielectric spectroscopy of $\hat{\nu}$		

#	ARTICLE	IF	CITATIONS
37	Tuning Charge Order in (TMTTF) ₂ X by Partial Anion Substitution. Crystals, 2021, 11, 1545.	2.2	2