

John A Schneeloch

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,176
citations

218677

26
h-index

128289

60
g-index

62
all docs

62
docs citations

62
times ranked

5234
citing authors

#	ARTICLE	IF	CITATIONS
1	Large change of interlayer vibrational coupling with stacking in MoTe_2 . <i>Physical Review B</i> , 2022, 105, .	3.2	1
2	Charge-ordered state satisfying the Anderson condition in LiRh_2O_4 arising from local dimer order. <i>Physical Review B</i> , 2022, 105, .	3.2	5
3	Little-Parks like oscillations in lightly doped cuprate superconductors. <i>Nature Communications</i> , 2022, 13, 1316.	12.8	4
4	Gapless Dirac magnons in CrCl_3 . <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	11
5	Tracking the nematicity in cuprate superconductors: a resistivity study under uniaxial pressure. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 334001.	1.8	2
6	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. <i>Nature Communications</i> , 2021, 12, 597.	12.8	21
7	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. <i>Nature Communications</i> , 2021, 12, 1348.	12.8	33
8	Ubiquitous suppression of the nodal coherent spectral weight in Bi-based cuprates. <i>Physical Review B</i> , 2021, 103, .	3.2	3
9	Nematic transition and nanoscale suppression of superconductivity in $\text{Fe}(\text{Te},\text{Se})$. <i>Nature Physics</i> , 2021, 17, 903-908.	16.7	14
10	Presence of s -Wave Pairing in Josephson Junctions Made of Twisted Ultrathin Bi_2Se_3 . <i>Physical Review X</i> , 2021, 11, .	8.9	34
11	Search for Q Order near a Forbidden Bragg Position in $\text{Bi}_{2.1}\text{Sr}_{1.9}\text{CaCu}_2\text{O}_{8+x}$ with Resonant Soft X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 111007.	1.6	0
12	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , 2020, 367, 189-192.	12.6	172
13	Coulomb blockade effects in a topological insulator grown on a high- T_c cuprate superconductor. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	3
14	Td to $1T\text{â}^2$ structural phase transition in the WTe_2 Weyl semimetal. <i>Physical Review B</i> , 2020, 102, .	3.2	13
15	Evolution of the structural transition in MoWTe_2 . <i>Physical Review B</i> , 2020, 102, .	3.2	4
16	Metal-insulator transition and doping-induced phase change in $\text{Ge}_2\text{Sb}_2\text{Se}_5\text{xTe}_5\text{â}^5\text{x}$. <i>Applied Physics Letters</i> , 2020, 117, 193503.	3.3	4
17	Observation of a thermoelectric Hall plateau in the extreme quantum limit. <i>Nature Communications</i> , 2020, 11, 1046.	12.8	35
18	Half-integer level shift of vortex bound states in an iron-based superconductor. <i>Nature Physics</i> , 2019, 15, 1181-1187.	16.7	144

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19	Ultrafast time-resolved x-ray scattering reveals diffusive charge order dynamics in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$. <i>Science Advances</i> , 2019, 5, eaax3346.	10.3	51
20	Appearance of a Td^* phase across the $Td^*1T^{\hat{c}2}$ phase boundary in the Weyl semimetal MoTe_2 . <i>Physical Review B</i> , 2019, 100, .	3.2	14
21	Electronic band tuning under pressure in MoTe_2 topological semimetal. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	19
22	Gapless spin excitations in superconducting $\text{La}_{2-x}\text{Ca}_{1+x}\text{Cu}_2\text{O}_6$ with T_c up to 55 K. <i>Physical Review B</i> , 2019, 99, .	3.2	2
23	Three-dimensional quantum Hall effect and metal-insulator transition in ZrTe_5 . <i>Nature</i> , 2019, 569, 537-541.	27.8	205
24	Emergence of topologically protected states in the MoTe_2 Weyl semimetal with layer-stacking order. <i>Physical Review B</i> , 2019, 99, .	3.2	11
25	Crossover of Charge Fluctuations across the Strange Metal Phase Diagram. <i>Physical Review X</i> , 2019, 9, .	8.9	34
26	Evidence for photoinduced sliding of the charge-order condensate in $\text{La}_{1.875}\text{Ce}_{0.125}\text{CuO}_4$. <i>Physical Review B</i> , 2019, 100, .	3.2	11
27	Charge-stripe crystal phase in an insulating cuprate. <i>Nature Materials</i> , 2019, 18, 103-107.	27.5	30
28	Evidence for magnetic-field-induced decoupling of superconducting bilayers in $\text{La}_{2-x}\text{Ca}_{1+x}\text{Cu}_2\text{O}_6$. <i>Physical Review B</i> , 2018, 97, .	3.2	10
29	Nanocalorimetric evidence for nematic superconductivity in the doped topological insulator $\text{Sr}_{0.1}\text{Bi}_2\text{Se}_3$. <i>Physical Review B</i> , 2018, 98, .	3.2	32
30	Superconducting and normal-state anisotropy of the doped topological insulator $\text{Sr}_{0.1}\text{Bi}_2\text{Se}_3$. <i>Scientific Reports</i> , 2018, 8, 7666.	3.3	39
31	Superconductor-insulator Transitions in Exfoliated $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ Flakes. <i>Nano Letters</i> , 2018, 18, 5660-5665.	9.1	50
32	Evidence for Majorana bound states in an iron-based superconductor. <i>Science</i> , 2018, 362, 333-335.	12.6	523
33	Coexistence of superconductivity and short-range double-stripe spin correlations in Te-vapor annealed $\text{FeTe}_{1-x}\text{S}_x$ ($x \approx 0.2$). <i>Physical Review B</i> , 2018, 97, .	3.2	8
34	Spectroscopic evidence for bulk-band inversion and three-dimensional massive Dirac fermions in ZrTe_5 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 816-821.	7.1	77
35	Structural phase transitions of $(\text{Bi}_{1-x}\text{Sb}_x)_2(\text{Te}_{1-y}\text{Se}_y)_3$ compounds under high pressure and the influence of the atomic radius on the compression processes of tetradymites. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2207-2216.	2.8	18
36	Surprising loss of three-dimensionality in low-energy spin correlations on approaching superconductivity in $\text{Fe}_{1-x}\text{Te}_x$. <i>Physical Review B</i> , 2017, 96, .	3.2	4

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37	Suppression of the antiferromagnetic order when approaching the superconducting state in a phase-separated crystal of $K_xFe_2As_ySe_2$. Physical Review B, 2017, 96, .	3.2	2
38	Indium Substitution Effect on the Topological Crystalline Insulator Family $(Pb_{1-x}Sn_x)_2Te$: Topological and Superconducting Properties. Crystals, 2017, 7, 55.	2.2	19
39	Growth and structural characterization of large superconducting crystals of $La_{2-x}Ca_xCuO_6$. Physical Review Materials, 2017, 1, .	2.4	2
40	Low vibration high numerical aperture automated variable temperature Raman microscope. Review of Scientific Instruments, 2016, 87, 043105.	1.3	17
41	Kondo-like zero-bias conductance anomaly in a three-dimensional topological insulator nanowire. Scientific Reports, 2016, 6, 21767.	3.3	7
42	Thermal evolution of antiferromagnetic correlations and tetrahedral bond angles in superconducting $FeTe_{1-x}S_x$. Physical Review B, 2016, 93, .	3.2	13
43	Electronic structure of the ingredient planes of the cuprate superconductor $Bi_2Te_2O_7$: A comparison study with Bi_2Se_3 . Physical Review B, 2016, 93, .	3.2	12
44	Chiral magnetic effect in $ZrTe_5$. Nature Physics, 2016, 12, 550-554.	16.7	793
45	Optical spectroscopy study of the three-dimensional Dirac semimetal $ZrTe_5$. Physical Review B, 2015, 92, .	3.2	3
46	Phonon coupling to dynamic short-range polar order in a relaxor ferroelectric near the morphotropic phase boundary. Physical Review B, 2015, 92, .	3.2	3
47	Magnetoinfrared Spectroscopy of Landau Levels and Zeeman Splitting of Three-Dimensional Massless Dirac Fermions in $ZrTe_5$. Physical Review Letters, 2015, 115, 237002.	7.8	175
48	Mapping the Electronic Structure of Each Ingredient Oxide Layer of High- T_c Cuprate Superconductor $Bi_2Te_2O_7$. Physical Review Letters, 2015, 115, 237002.	7.8	26
49	Surface-state-dominated transport in crystals of the topological crystalline insulator $In_{1-x}Sn_xTe$. Physical Review B, 2015, 91, .	3.2	18
50	Low-energy phonons and superconductivity in $Sn_{1-x}Bi_xTe$. Physical Review B, 2015, 91, .	3.2	18
51	Imaging Dirac-mass disorder from magnetic dopant atoms in the ferromagnetic topological insulator $(Bi_{1-x}Sb_x)_2Te_3$. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1316-1321.	7.1	206
52	Neutron inelastic scattering measurements of low-energy phonons in the multiferroic $BiFeO_3$. Physical Review B, 2015, 91, .	3.2	18
53	Aharonov-Bohm oscillations in a quasi-ballistic three-dimensional topological insulator nanowire. Nature Communications, 2015, 6, 7634.	12.8	100
54	Dependence of superconductivity in $Cu_xBi_{2-x}S_2$ on quenching conditions. Physical Review B, 2015, 91, .	3.2	18

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55	Superconductivity induced by In substitution into the topological crystalline insulator $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$. Physical Review B, 2014, 90, .	3.2	27
56	Nanoscale coherent intergrowthlike defects in a crystal of $\text{La}_{1.9}\text{Ca}_{1.1}\text{Cu}_2\text{O}_6+\delta$ made superconducting by high-pressure oxygen annealing. Physical Review B, 2014, 90, .	3.2	3
57	Ubiquitous Interplay Between Charge Ordering and High-Temperature Superconductivity in Cuprates. Science, 2014, 343, 393-396.	12.6	506
58	Bulk Signatures of Pressure-Induced Band Inversion and Topological Phase Transitions in $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$. Physical Review Letters, 2014, 113, 096401.	7.8	27
59	Fully gapped topological surface states in Bi_2Se_3 films induced by a d-wave high-temperature superconductor. Nature Physics, 2013, 9, 621-625.	16.7	149
60	Symmetry protected Josephson supercurrents in three-dimensional topological insulators. Nature Communications, 2013, 4, 1689.	12.8	105
61	Optimizing the superconducting transition temperature and upper critical field of $\text{Sn}_{1-x}\text{In}_x\text{Te}$. Physical Review B, 2013, 88, .	4.2	75