

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	Chiral magnetic effect in ZrTe ₅ . Nature Physics, 2016, 12, 550-554.	16.7	793
2	Evidence for Majorana bound states in an iron-based superconductor. Science, 2018, 362, 333-335.	12.6	523
3	Ubiquitous Interplay Between Charge Ordering and High-Temperature Superconductivity in Cuprates. Science, 2014, 343, 393-396.	12.6	506
4	Imaging Dirac-mass disorder from magnetic dopant atoms in the ferromagnetic topological insulator Cr _x (Bi _{0.1} Sb _{0.9}) _{2-x} Te ₃ . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1316-1321.	7.1	206
5	Three-dimensional quantum Hall effect and metal-insulator transition in ZrTe ₅ . Nature, 2019, 569, 537-541.	27.8	205
6	Optical spectroscopy study of the three-dimensional Dirac semimetal ZrTe ₅ . Physical Review B, 2015, 92, .	7.8	175
7	Magnetoinfrared Spectroscopy of Landau Levels and Zeeman Splitting of Three-Dimensional Massless Dirac Fermions in ZrTe ₅ . Physical Review Letters, 2015, 115, 176404.	7.8	175
8	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. Science, 2020, 367, 189-192.	12.6	172
9	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. Nature Physics, 2013, 9, 621-625.	16.7	149
10	Half-integer level shift of vortex bound states in an iron-based superconductor. Nature Physics, 2019, 15, 1181-1187.	16.7	144
11	Symmetry protected Josephson supercurrents in three-dimensional topological insulators. Nature Communications, 2013, 4, 1689.	12.8	105
12	Aharonov-Bohm oscillations in a quasi-ballistic three-dimensional topological insulator nanowire. Nature Communications, 2015, 6, 7634.	12.8	100
13	Spectroscopic evidence for bulk-band inversion and three-dimensional massive Dirac fermions in ZrTe ₅ . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 816-821.	7.1	77
14	Optimizing the superconducting transition temperature and upper critical field of Sn _{1-x} Te _x . Physical Review B, 2013, 88, .	7.1	77
15	Ultrafast time-resolved x-ray scattering reveals diffusive charge order dynamics in La _{2-x} Ba _x CuO ₄ . Science Advances, 2019, 5, eaax3346.	10.3	51
16	Superconductor-insulator Transitions in Exfoliated Bi ₂ Sr ₂ CaCu ₂ O ₈ Flakes. Nano Letters, 2018, 18, 5660-5665.	9.1	50
17	Superconducting and normal-state anisotropy of the doped topological insulator Sr _{0.1} Bi ₂ Se ₃ . Scientific Reports, 2018, 8, 7666.	3.3	39
18	Observation of a thermoelectric Hall plateau in the extreme quantum limit. Nature Communications, 2020, 11, 1046.	12.8	35

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19	Crossover of Charge Fluctuations across the Strange Metal Phase Diagram. Physical Review X, 2019, 9, .	8.9	34
20	Presence of s -Wave Pairing in Josephson Junctions Made of Twisted Ultrathin Bi_2Te_3 . Physical Review X, 2021, 11, .	8.9	34
21	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. Nature Communications, 2021, 12, 1348.	12.8	33
22	Nanocalorimetric evidence for nematic superconductivity in the doped topological insulator $\text{Sr}_{1-x}\text{Bi}_x\text{Te}$. Physical Review B, 2018, 98, .	3.2	32
23	Dependence of superconductivity in $\text{Cu}_x\text{Bi}_{1-x}\text{Te}$ quenching conditions. Physical Review B, 2015, 91, .	3.2	31
24	Charge-stripe crystal phase in an insulating cuprate. Nature Materials, 2019, 18, 103-107.	27.5	30
25	Superconductivity induced by In substitution into the topological crystalline insulator $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$. Physical Review Letters, 2014, 113, 096401.	3.2	27
26	Bulk Signatures of Pressure-Induced Band Inversion and Topological Phase Transitions in $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$. Physical Review Letters, 2015, 115, 237002.	7.8	27
27	Superconductor Bi_2Te_3 Cuprate. Physical Review Letters, 2015, 115, 237002.	7.8	26
28	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	12.8	21
29	Indium Substitution Effect on the Topological Crystalline Insulator Family $(\text{Pb}_{1-x}\text{Sn}_x)\text{Te}$: Topological and Superconducting Properties. Crystals, 2017, 7, 55.	2.2	19
30	Electronic band tuning under pressure in MoTe_2 topological semimetal. Npj Quantum Materials, 2019, 4, .	5.2	19
31	Surface-state-dominated transport in crystals of the topological crystalline insulator $\text{In}_{1-x}\text{Sn}_x\text{Te}$. Physical Review B, 2015, 91, .	3.2	18
32	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. Physical Chemistry Chemical Physics, 2017, 19, 2207-2216.	2.8	18
33	Low vibration high numerical aperture automated variable temperature Raman microscope. Review of Scientific Instruments, 2016, 87, 043105.	1.3	17
34	Appearance of a Td^* phase across the $\text{Td}^*1\text{T}\epsilon^2$ phase boundary in the Weyl semimetal MoTe_2 . Physical Review B, 2019, 100, .	3.2	14
35	Nematic transition and nanoscale suppression of superconductivity in $\text{Fe}(\text{Te},\text{Se})$. Nature Physics, 2021, 17, 903-908.	16.7	14
36	Neutron inelastic scattering measurements of low-energy phonons in the multiferroic BiFeO_3 . Physical Review B, 2015, 91, .	3.2	13

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37	Thermal evolution of antiferromagnetic correlations and tetrahedral bond angles in superconducting $\text{FeTe}_{1-x}\text{S}_x$. Physical Review B, 2016, 93, .	3.2	13
38	Td to $1T\bar{c}2$ structural phase transition in the WTe_2 Weyl semimetal. Physical Review B, 2020, 102, .	3.2	13
39	Electronic structure of the ingredient planes of the cuprate superconductor $\text{Bi}_2\text{Te}_2\text{Se}$. A comparison study with $\text{Bi}_2\text{Te}_2\text{S}$. Physical Review B, 2016, 93, .	3.2	12
40	Evidence for photoinduced sliding of the charge-order condensate in $\text{La}_{1-x}\text{Sr}_x\text{FeAs}_2$. Physical Review B, 2019, 100, .	3.2	11
41	Emergence of topologically protected states in the MoTe_2 Weyl semimetal with layer-stacking order. Physical Review B, 2019, 99, .	3.2	11
42	Gapless Dirac magnons in CrCl_3 . Npj Quantum Materials, 2022, 7, .	5.2	11
43	Evidence for magnetic-field-induced decoupling of superconducting bilayers in $\text{La}_{2-x}\text{Ca}_x\text{CuO}_6$. Physical Review B, 2018, 97, .	3.2	10
44	Coexistence of superconductivity and short-range double-stripe spin correlations in Te-vapor annealed $\text{FeTe}_{1-x}\text{S}_x$ ($x \approx 0.2$). Physical Review B, 2018, 97, .	3.2	8
45	Kondo-like zero-bias conductance anomaly in a three-dimensional topological insulator nanowire. Scientific Reports, 2016, 6, 21767.	3.3	7
46	Low-energy phonons and superconductivity in Sn_2Te_3 . Physical Review B, 2015, 91, .	3.2	7
47	Charge-ordered state satisfying the Anderson condition in LiRh_2O_4 arising from local dipole-dipole interactions. Physical Review B, 2022, 105, .	3.2	5
48	Surprising loss of three-dimensionality in low-energy spin correlations on approaching superconductivity in Fe_3Te_2 . Physical Review B, 2017, 96, .	3.2	4
49	Evolution of the structural transition in $\text{Mo}_1\text{W}_x\text{Te}_2$. Physical Review B, 2020, 102, .	3.2	4
50	Metal-insulator transition and doping-induced phase change in $\text{Ge}_2\text{Sb}_2\text{Se}_5\text{Te}_x$. Applied Physics Letters, 2020, 117, 193503.	3.3	4
51	Little-Parks like oscillations in lightly doped cuprate superconductors. Nature Communications, 2022, 13, 1316.	12.8	4
52	Nanoscale coherent intergrowthlike defects in a crystal of $\text{La}_{1.9}\text{Ca}_{1.1}\text{Cu}_2\text{O}_6$ made superconducting by high-pressure oxygen annealing. Physical Review B, 2014, 90, .	3.2	3
53	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
54	Coulomb blockade effects in a topological insulator grown on a high- T_c cuprate superconductor. Npj Quantum Materials, 2020, 5, .	5.2	3

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55	Ubiquitous suppression of the nodal coherent spectral weight in Bi-based cuprates. <i>Physical Review B</i> , 2021, 103, .	3.2	3
56	Suppression of the antiferromagnetic order when approaching the superconducting state in a phase-separated crystal of $K_xFe_{2-x}Se_2$. <i>Physical Review B</i> , 2017, 96, .	3.2	2
57	Gapless spin excitations in superconducting $La_{2-x}Ca_{1+x}Cu_2O_6$ with T_c up to 55 K. <i>Physical Review B</i> , 2019, 99, .	3.2	2
58	Growth and structural characterization of large superconducting crystals of $La_{2-x}Ca_{1+x}Cu_2O_6$. <i>Physical Review Materials</i> , 2017, 1, .	2.4	2
59	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
60	Large change of interlayer vibrational coupling with stacking in $Mo_{1-x}W_xTe_2$. <i>Physical Review B</i> , 2022, 105, .	3.2	1
61	Search for $Q = \frac{1}{4} 0$ Order near a Forbidden Bragg Position in $Bi_{2.1}Sr_{1.9}CaCu_2O_{8+x}$ with Resonant Soft X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 111007.	1.6	0