

N Peter Armitage

List of Publications by Year in descending order

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82
papers

6,278
citations

126708

33
h-index

66788

78
g-index

82
all docs

82
docs citations

82
times ranked

6802
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological spintronics and magnetoelectronics. Nature Materials, 2022, 21, 15-23.	13.3	101
2	Anomalously small superconducting gap in a strong spin-orbit coupled superconductor: IrTe_2 . Physical Review B, 2022, 105, .	1.1	2
3	Measurements of cyclotron resonance of the interfacial states in strong spin-orbit coupled 2D electron gases proximitized with aluminum. Applied Physics Letters, 2022, 120, 142105.	1.5	4
4	Quantum Critical Magnetic Excitations in Spin-1 Chain Systems. Physical Review X, 2022, 12, 041046.	2.8	10
5	Low-energy magneto-optics of LaSrCuO_4 in a [111] magnetic field. Physical Review B, 2021, 103, .	1.1	3
6	Observation of a marginal Fermi glass. Nature Physics, 2021, 17, 627-631.	6.5	29
7	Ambipolar magneto-optical response of ultralow carrier density topological insulators. Physical Review B, 2021, 103, .	1.1	3
8	Observation of cyclotron resonance and measurement of the hole mass in optimally doped LaSrCuO_4 . Physical Review B, 2021, 103, .	1.1	3
9	Low-energy magneto-optics of Tb_2O_7 in a [111] magnetic field. Physical Review B, 2021, 103, .	1.1	6
10	Probing charge pumping and relaxation of the chiral anomaly in a Dirac semimetal. Science Advances, 2021, 7, .	4.7	16
11	Duality and domain wall dynamics in a twisted Kitaev chain. Nature Physics, 2021, 17, 832-836.	6.5	28
12	Separated transport relaxation scales and interband scattering in thin films of SrRuO_3 , CaRuO_3 , and BaRuO_3 . Physical Review B, 2021, 104, .	1.1	5
13	BCS-like d -wave behavior in the terahertz electrodynamic response of electron-doped cuprate superconductors. Physical Review B, 2021, 104, .	1.1	4
14	THz electrodynamics of mixed-valent YbAl_3 and LuAl_3 thin films. European Physical Journal B, 2021, 94, 1.	0.6	1
15	Observation of 4- and 6-Magnon Bound States in the Spin-Anisotropic Frustrated Antiferromagnet Fe_2TeO_6 . Physical Review Letters, 2021, 127, 267201.	2.9	14
16	Subterahertz Momentum Drag and Violation of Matthiessen's Rule in an Ultraclean Ferromagnetic Metallic Thin Film. Physical Review Letters, 2020, 125, 217401.	2.9	9
17	Linear dichroism infrared resonance in overdoped, underdoped, and optimally doped cuprate superconductors. Physical Review B, 2020, 102, .	1.1	4
18	A Compact Broadband Terahertz Range Quarter-Wave Plate. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 642-654.	1.2	9

#	ARTICLE	IF	CITATIONS
55	Reduction of effective terahertz focal spot size by means of nested concentric parabolic reflectors. AIP Advances, 2015, 5, 097203.	0.6	2
56	Stability of low-carrier-density topological-insulator Bi ₂ Se ₃ thin films and effect of capping layers. APL Materials, 2015, 3, 091101.	2.2	22
57	Singlet-Triplet Excitations and Long-Range Entanglement in the Spin-Orbital Liquid Candidate FeSc_2S_4 . Physical Review Letters, 2015, 114, 207201.		33
58	Record Surface State Mobility and Quantum Hall Effect in Topological Insulator Thin Films via Interface Engineering. Nano Letters, 2015, 15, 8245-8249.	4.5	119
59	A broadband microwave Corbino spectrometer at 3He temperatures and high magnetic fields. Review of Scientific Instruments, 2014, 85, 093108.	0.6	5
60	Constraints on Jones transmission matrices from time-reversal invariance and discrete spatial symmetries. Physical Review B, 2014, 90, .	1.1	51
61	Local magnetism and spin correlations in the geometrically frustrated cluster magnet $\text{LiZn}_2\text{V}_4\text{O}_{16}$. Physical Review B, 2014, 89, .		46
62	Hierarchy of Bound States in the One-Dimensional Ferromagnetic Ising Chain CoNb_2O_6 by High-Resolution Time-Domain Terahertz Spectroscopy. Physical Review Letters, 2014, 112, 137403.	2.9	52
63	Optical Birefringence and Dichroism of Cuprate Superconductors in the THz Regime. Physical Review Letters, 2014, 112, 147001.	2.9	77
64	Dynamic stabilization?. Nature Materials, 2014, 13, 665-666.	13.3	7
65	Low-energy electrodynamic of novel spin excitations in the quantum spin ice Yb ₂ Ti ₂ O ₇ . Nature Communications, 2014, 5, 4970.	5.8	44
66	A sudden collapse in the transport lifetime across the topological phase transition in $(\text{Bi}_{1-x}\text{In}_x)_2\text{Se}_3$. Nature Physics, 2013, 9, 410-414.	6.5	206
67	Developments in THz Range Ellipsometry. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 682-708.	1.2	29
68	Aging and reduced bulk conductance in thin films of the topological insulator Bi ₂ Se ₃ . Journal of Applied Physics, 2013, 113, .	1.1	29
69	Polarization modulation time-domain terahertz polarimetry. Optics Express, 2012, 20, 12303.	1.7	89
70	Mixed-valence-driven heavy-fermion behavior and superconductivity in KNi_2Se_2 . Physical Review B, 2012, 85, .	1.1	71
71	Low-energy electrodynamic of the Kondo lattice $\text{Ge}_2\text{Pd}_2\text{Te}_5$. Physical Review B, 2012, 85, .	1.1	11
72	Terahertz Response and Colossal Kerr Rotation from the Surface States of the Topological Insulator Bi_2Se_3 . Physical Review Letters, 2012, 108, 087403.	2.9	201

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73	Temporal correlations of superconductivity above the transition temperature in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ probed by terahertz spectroscopy. <i>Nature Physics</i> , 2011, 7, 298-302.	6.5	164
74	On the possibility of fast vortices in the cuprates: A vortex plasma model analysis of THz conductivity and diamagnetism in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Physical Review B</i> , 2011, 84, .	1.1	19
75	Broadband microwave and time-domain terahertz spectroscopy of chemical vapor deposition grown graphene. <i>Journal of Applied Physics</i> , 2011, 110, 083510.	1.1	28
76	Dynamical study of phase fluctuations and their critical slowing down in amorphous superconducting films. <i>Physical Review B</i> , 2011, 84, .	1.1	46
77	Ultrafast (but Many-Body) Relaxation in a Low-Density Electron Glass. <i>Physical Review Letters</i> , 2010, 105, 086601.	2.9	14
78	Pair-breaking effects and coherence peak in the terahertz conductivity of superconducting $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$ thin films. <i>Physical Review B</i> , 2010, 82, .	1.1	32
79	Infrared Conductivity of Elemental Bismuth under Pressure: Evidence for an Avoided Lifshitz-Type Semimetal-Semiconductor Transition. <i>Physical Review Letters</i> , 2010, 104, 237401.	2.9	39
80	Charge Carrier Interaction with a Purely Electronic Collective Mode: Plasmarons and the Infrared Response of Elemental Bismuth. <i>Physical Review Letters</i> , 2007, 99, 016406.	2.9	66
81	Frequency-dependent conductivity of electron glasses. <i>Physical Review B</i> , 2004, 69, .	1.1	35
82	Electrodynamics of a Coulomb Glass in n-Type Silicon. <i>Physical Review Letters</i> , 2002, 89, 246601.	2.9	23