

Elisabeth Nicol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5164958/publications.pdf>

Version: 2024-02-01

46
papers

2,207
citations

218662

26
h-index

243610

44
g-index

46
all docs

46
docs citations

46
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	Valley-Spin Polarization in the Magneto-Optical Response of Silicene and Other Similar 2D Crystals. Physical Review Letters, 2013, 110, 197402.	7.8	196
2	Optical conductivity of bilayer graphene with and without an asymmetry gap. Physical Review B, 2008, 77, .	3.2	154
3	Optical signatures of the tunable band gap and valley-spin coupling in silicene. Physical Review B, 2012, 86, .	3.2	121
4	Properties of the superconducting state in a two-band model. Physical Review B, 2005, 71, .	3.2	120
5	Dynamical conductivity of AA-stacked bilayer graphene. Physical Review B, 2012, 86, .	3.2	108
6	Magneto-optical conductivity of silicene and other buckled honeycomb lattices. Physical Review B, 2013, 88, .	3.2	104
7	Optical and transport properties in three-dimensional Dirac and Weyl semimetals. Physical Review B, 2016, 93, .	3.2	101
8	AC/DC spin and valley Hall effects in silicene and germanene. Physical Review B, 2013, 87, .	3.2	88
9	Optical conductivity of twisted bilayer graphene. Physical Review B, 2013, 87, .	3.2	80
10	Dynamical polarization function, plasmons, and screening in silicene and other buckled honeycomb lattices. Physical Review B, 2014, 89, .	3.2	79
11	Magneto-optics of massless Kane fermions: Role of the flat band and unusual Berry phase. Physical Review B, 2015, 92, .	3.2	79
12	Hall quantization and optical conductivity evolution with variable Berry phase in the $\hat{\mu}_{\pm}$ $\hat{\mu}_{\pm}$ $\hat{\mu}_{\pm}$ Physical Review B, 2015, 92, .	3.2	79
13	Magnetic properties of the $\hat{\mu}_{\pm}$ $\hat{\mu}_{\pm}$ $\hat{\mu}_{\pm}$ Magneto-optical conductivity and the Hofstadter butterfly. Physical Review B, 2016, 94, .	3.2	79
14	Comparison of pressurized sulfur hydride with conventional superconductors. Physical Review B, 2015, 91, .	3.2	68
15	Spectroscopic evidence of a new energy scale for superconductivity in H ₃ S. Nature Physics, 2017, 13, 859-863.	16.7	67
16	Effect of electron-phonon interaction on spectroscopies in graphene. Physical Review B, 2010, 81, .	3.2	62
17	Optical conductivity in high-T _c superconductors. Physical Review B, 1991, 43, 473-479.	3.2	55
18	Thermodynamics of d-wave superconductors in a magnetic field. Physical Review B, 2001, 64, .	3.2	52

#	ARTICLE	IF	CITATIONS
19	Temperature-dependent low-frequency conductivity in marginal-Fermi-liquid theory. Physical Review B, 1991, 44, 7741-7744.	3.2	51
20	Magneto-optical conductivity in graphene including electron-phonon coupling. Physical Review B, 2012, 85, .	3.2	39
21	Signatures of Fermi surface reconstruction in Raman spectra of underdoped cuprates. Physical Review B, 2010, 81, .	3.2	36
22	Effect of pseudogap formation on the penetration depth of underdoped high- T_c cuprate. Physical Review B, 2010, 81, .	3.2	35
23	Optical properties of a semi-Dirac material. Physical Review B, 2019, 99, .	3.2	35
24	Optical self-energy of superconducting Pb in the terahertz region. Physical Review B, 2008, 77, .	3.2	32
25	Non-Bardeen-Cooper-Schrieffer behavior of optical properties across the phase diagram of cuprate superconductors. Physical Review B, 2009, 79, .	3.2	32
26	Specific heat of underdoped cuprates: Resonating valence bond description versus Fermi arcs. Physical Review B, 2009, 80, .	3.2	32
27	Effects of electron-phonon coupling on Landau levels in graphene. Physical Review B, 2011, 84, .	3.2	24
28	Emergence of plasmaronic structure in the near-field optical response of graphene. Physical Review B, 2012, 85, .	3.2	24
29	Effect of electron-phonon coupling on energy and density of states renormalizations of dynamically screened graphene. Physical Review B, 2011, 84, .	3.2	22
30	Signature of pseudogap formation in the density of states of underdoped cuprates. Physical Review B, 2010, 82, .	3.2	21
31	Optical response for the density-wave model. Physical Review B, 2005, 71, .	3.2	20
32	Phonon spectroscopy through the electronic density of states in graphene. Physical Review B, 2009, 80, .	3.2	17
33	Magnetic properties of Dirac fermions in a buckled honeycomb lattice. Physical Review B, 2015, 91, .	3.2	17
34	Detecting Superconductivity in the High Pressure Hydrides and Metallic Hydrogen from Optical Properties. Physical Review Letters, 2018, 121, 047002.	7.8	15
35	Analytic evaluation of Kane fermion magneto-optics in two and three dimensions. Physical Review B, 2016, 94, .	3.2	13
36	Specific heat across the superconducting dome in the cuprates. Physical Review B, 2010, 82, .	3.2	11

#	ARTICLE	IF	CITATIONS
37	Effects of a particle-hole asymmetric pseudogap on Bogoliubov quasiparticles. Physical Review B, 2011, 83, .	3.2	11
38	Signatures of merging Dirac points in optics and transport. Physical Review B, 2019, 100, .	3.2	11
39	Optical properties of the pseudogap state in underdoped cuprates. European Physical Journal B, 2011, 81, 69-77.	1.5	8
40	Spectroscopic signatures of phonons in high pressure superconducting hydrides. Physical Review B, 2019, 100, .	3.2	6
41	Optical properties of superconducting pressurized LaH_{10} . Physical Review B, 2020, 102, .		
42	Electron pockets and pseudogap Dirac point in underdoped cuprate superconductors. Europhysics Letters, 2011, 95, 47008.	2.0	4
43	Anisotropic transport properties in a layered d+s-wave superconductor. Journal of Low Temperature Physics, 1996, 105, 539-544.	1.4	1
44	Infrared imaging of samples in ultrahigh pressure diamond anvil cells. Journal of Applied Physics, 2021, 130, 173101.	2.5	1
45	Vertex-corrected tunneling inversion in superconductors. European Physical Journal D, 1996, 46, 603-604.	0.4	0
46	Quasiparticle properties of d-wave superconductors in the vortex state. , 1999, , .		0