

Philip Brydon

List of Publications by Year in descending order

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26
papers

1,266
citations

430874

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552781

26
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all docs

26
docs citations

26
times ranked

984
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonsymmorphic symmetry and field-driven odd-parity pairing in CePt_2Sb_5 . Physical Review B, 2022, 105, .	8.9	16
2	Bogoliubov Fermi surfaces from pairing of emergent j_c fermions on the pyrochlore lattice. Physical Review B, 2022, 105, .	3.2	8
3	Field-Angle Dependence Reveals Odd-Parity Superconductivity in CeRhAs_2 . Physical Review X, 2022, 12, .	3.2	10
4	Distortional weak-coupling instability of Bogoliubov Fermi surfaces. Physical Review B, 2021, 103, .	3.2	8
5	Topological band and superconductivity in UTe_2 . Physical Review B, 2021, 103, .	3.2	8
6	Origin of the anomalous Hall effect in two-band chiral superconductors. Physical Review B, 2021, 103, .	12.6	74
7	General theory of robustness against disorder in multiband superconductors. Physical Review B, 2021, 104, .	3.2	16
8	Field-induced transition within the superconducting state of CeRhAs_2 . Science, 2021, 373, 1012-1016.	3.2	22
9	Robustness of unconventional s-wave superconducting states against disorder. Physical Review B, 2020, 101, .	3.2	86
10	Stabilizing even-parity chiral superconductivity in $\text{Sr}_2\text{As}_2\text{O}_8$. Physical Review Research, 2020, 2, .	7.8	150
11	Bogoliubov Fermi surfaces stabilized by spin-orbit coupling. Physical Review B, 2019, 100, .	3.2	67
12	Bogoliubov Fermi surfaces: General theory, magnetic order, and topology. Physical Review B, 2018, 98, .	7.8	52
13	Bogoliubov Fermi Surfaces in Superconductors with Broken Time-Reversal Symmetry. Physical Review Letters, 2017, 118, 127001.	7.8	122
14	Inflated nodes and surface states in superconducting half-Heusler compounds. Physical Review B, 2017, 96, .	2.9	12
15	Resilient Nodeless d -Wave Superconductivity in Monolayer FeSe. Physical Review Letters, 2017, 119, 267001.	3.3	64
16	Pairing of j_c Fermions in Half-Heusler Superconductors. Physical Review Letters, 2016, 116, 177001.		
17	Helical spin texture of surface states in topological superconductors. New Journal of Physics, 2015, 17, 013016.		
18	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. Scientific Reports, 2015, 5, 8880.		

#	ARTICLE	IF	CITATIONS
19	Transport in multiband systems with hot spots on the Fermi surface: Forward-scattering corrections. Physical Review B, 2014, 89, .	3.2	20
20	Superconducting pairing in the spin-density-wave phase of iron pnictides. Physical Review B, 2014, 89, .	3.2	18
21	Resistive anisotropy due to spin-fluctuation scattering in the nematic phase of iron pnictides. Physical Review B, 2014, 90, .	3.2	27
22	Edge Currents as a Signature of Flatbands in Topological Superconductors. Physical Review Letters, 2013, 111, 077001.	7.8	32
23	Interface currents in topological superconductorâ€“ferromagnet heterostructures. New Journal of Physics, 2013, 15, 045019.	2.9	18
24	Types of topological surface states in nodal noncentrosymmetric superconductors. Physical Review B, 2012, 85, .	3.2	128
25	Topologically protected flat zero-energy surface bands in noncentrosymmetric superconductors. Physical Review B, 2011, 84, .	3.2	94
26	Spin excitations in the excitonic spin-density-wave state of the iron pnictides. Physical Review B, 2009, 80, .	3.2	60