

# Philip Brydon

## List of Publications by Year in descending order

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26  
papers

1,266  
citations

430874

18  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bogoliubov Fermi Surfaces in Superconductors with Broken Time-Reversal Symmetry. Physical Review Letters, 2017, 118, 127001.	7.8	150
2	Types of topological surface states in nodal noncentrosymmetric superconductors. Physical Review B, 2012, 85, .	3.2	128
3	Pairing of $j=3$ Fermions in Half-Heusler Superconductors. Physical Review Letters, 2016, 116, 177001.	7.8	122
4	Topologically protected flat zero-energy surface bands in noncentrosymmetric superconductors. Physical Review B, 2011, 84, .	3.2	94
5	Stabilizing even-parity chiral superconductivity in $Sr_2FeMo_6$ . Physical Review Research, 2020, 2, .	2.6	88
6	Bogoliubov Fermi surfaces: General theory, magnetic order, and topology. Physical Review B, 2018, 98, .	3.2	86
7	Field-induced transition within the superconducting state of $CeRh_2As_2$ . Science, 2021, 373, 1012-1016.	12.6	74
8	Inflated nodes and surface states in superconducting half-Heusler compounds. Physical Review B, 2017, 96, .	3.2	67
9	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. Scientific Reports, 2015, 5, 8880.	3.3	64
10	Spin excitations in the excitonic spin-density-wave state of the iron pnictides. Physical Review B, 2009, 80, .	3.2	60
11	Resilient Nodeless $d$ -Wave Superconductivity in Monolayer FeSe. Physical Review Letters, 2017, 119, 267001.	7.8	52
12	Topological band and superconductivity in $UTe_2$ . Physical Review B, 2021, 103, .	3.2	45
13	Edge Currents as a Signature of Flatbands in Topological Superconductors. Physical Review Letters, 2013, 111, 077001.	7.8	32
14	Resistive anisotropy due to spin-fluctuation scattering in the nematic phase of iron pnictides. Physical Review B, 2014, 90, .	3.2	27
15	Nonsymmorphic symmetry and field-driven odd-parity pairing in $CePt_3$ . Physical Review B, 2022, 105, .	3.2	22
16	Bogoliubov Fermi surfaces stabilized by spin-orbit coupling. Physical Review B, 2019, 100, .	3.2	22
17	Transport in multiband systems with hot spots on the Fermi surface: Forward-scattering corrections. Physical Review B, 2014, 89, .	3.2	20
18	Interface currents in topological superconductor-ferromagnet heterostructures. New Journal of Physics, 2013, 15, 045019.	2.9	18

#	ARTICLE	IF	CITATIONS
19	Superconducting pairing in the spin-density-wave phase of iron pnictides. Physical Review B, 2014, 89, .	3.2	18
20	Robustness of unconventional s -wave superconducting states against disorder. Physical Review B, 2020, 101, .	3.2	16
21	Field-Angle Dependence Reveals Odd-Parity Superconductivity in $\text{CeRh}_2\text{As}_2$ . Physical Review X, 2022, 12, .	8.9	16
22	Helical spin texture of surface states in topological superconductors. New Journal of Physics, 2015, 17, 013016.	2.9	12
23	Origin of the anomalous Hall effect in two-band chiral superconductors. Physical Review B, 2021, 103, .	3.2	10
24	Distortional weak-coupling instability of Bogoliubov Fermi surfaces. Physical Review B, 2021, 103, .	3.2	8
25	General theory of robustness against disorder in multiband superconductors. Physical Review B, 2021, 104, .	3.2	8
26	Bogoliubov Fermi surfaces from pairing of emergent fermions on the pyrochlore lattice. Physical Review B, 2022, 105, .	3.2	8