Chris Bourne

List of Publications by Year
in descending order

14 papers	220 citations	1478505 6 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	109 citing authors

#	ARTICLE	IF	CITATIONS
1	The K-Theoretic Bulk–Edge Correspondence for Topological Insulators. Annales Henri Poincare, 2017, 18, 1833-1866.	1.7	47
2	A non-commutative framework for topological insulators. Reviews in Mathematical Physics, 2016, 28, 1650004.	1.7	44
3	Non-commutative Chern numbers for generic aperiodic discrete systems. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 235202.	2.1	40
4	The Bulk-Edge Correspondence for the Quantum Hall Effect in Kasparov Theory. Letters in Mathematical Physics, 2015, 105, 1253-1273.	1.1	24
5	Chern Numbers, Localisation and the Bulk-edge Correspondence for Continuous Models of Topological Phases. Mathematical Physics Analysis and Geometry, 2018, 21, 1.	1.0	21
6	The classification of symmetry protected topological phases of one-dimensional fermion systems. Forum of Mathematics, Sigma, 2021, 9, .	0.7	16
7	On $\mathbb{Z}_2$-indices for ground states of fermionic chains. Reviews in Mathematical Physics, 2020, 32, 2050028.	1.7	7
8	Index Theory and Topological Phases of Aperiodic Lattices. Annales Henri Poincare, 2019, 20, 1969-2038.	1.7	6
9	Localised Module Frames and Wannier Bases from Groupoid Morita Equivalences. Journal of Fourier Analysis and Applications, 2021, 27, 1.	1.0	4
10	The KO-valued spectral flow for skew-adjoint Fredholm operators. Journal of Topology and Analysis, 0, , 1-52.	0.5	4
11	The Cayley transform in complex, real and graded K-theory. International Journal of Mathematics, 2020, 31, 2050074.	0.5	3
12	Application of Semifinite Index Theory to Weak Topological Phases. MATRIX Book Series, 2018, , 203-227.	0.2	2
13	TOPOLOGICAL STATES OF MATTER AND NONCOMMUTATIVE GEOMETRY. Bulletin of the Australian Mathematical Society, 2016, 94, 349-349.	0.5	1
14	Locally equivalent quasifree states and index theory. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 104004.	2.1	1