Anton Kapustin

List of Publications by Year
in descending order

45 papers	4,837 citations	185998 28 h-index	253896 43 g-index
45 all docs	45 docs citations	45 times ranked	1330 citing authors

#	Article	IF	Citations
1	Generalized global symmetries. Journal of High Energy Physics, 2015, 2015, 1.	1.6	755
2	Exact results for Wilson loops in superconformal Chern-Simons theories with matter. Journal of High Energy Physics, 2010, 2010, 1.	1.6	653
3	Electric-magnetic duality and the geometric Langlands program. Communications in Number Theory and Physics, 2007, 1, 1-236.	0.3	467
4	Theta, time reversal and temperature. Journal of High Energy Physics, 2017, 2017, 1.	1.6	292
5	Coupling a QFT to a TQFT and duality. Journal of High Energy Physics, 2014, 2014, 1.	1.6	272
6	Fermionic symmetry protected topological phases and cobordisms. Journal of High Energy Physics, 2015, 2015, 1-21.	1.6	207
7	On mirror symmetry in three dimensional Abelian gauge theories. Journal of High Energy Physics, 1999, 1999, 021-021.	1.6	205
8	Nonperturbative tests of three-dimensional dualities. Journal of High Energy Physics, 2010, 2010, 1.	1.6	171
9	Monopole Operators and Mirror Symmetry in Three Dimensions. Journal of High Energy Physics, 2002, 2002, 044-044.	1.6	149
10	D-branes in Landau-Ginzburg models and algebraic geometry. Journal of High Energy Physics, 2003, 2003, 005-005.	1.6	133
11	Topological boundary conditions in abelian Chern–Simons theory. Nuclear Physics B, 2011, 845, 393-435.	0.9	130
12	Spin TQFTs and fermionic phases of matter. International Journal of Modern Physics A, 2016, 31, 1645044.	0.5	125
13	Fermionic SPT phases in higher dimensions and bosonization. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
14	Anomalous Discrete Symmetries in Three Dimensions and Group Cohomology. Physical Review Letters, 2014, 112, 231602.	2.9	102
15	Topological Correlators in Landau-Ginzburg Models with Boundaries. Advances in Theoretical and Mathematical Physics, 2003, 7, 727-749.	0.4	98
16	D-branes in a topologically nontrivial B-field. Advances in Theoretical and Mathematical Physics, 2000, 4, 127-154.	0.4	96
17	TOPOLOGICAL STRINGS ON NONCOMMUTATIVE MANIFOLDS. International Journal of Geometric Methods in Modern Physics, 2004, 01, 49-81.	0.8	87
18	State sum constructions of spin-TFTs and string net constructions of fermionic phases of matter. Journal of High Energy Physics, 2017, 2017, 1.	1.6	85

#	Article	IF	Citations
19	Remarks on A-branes, mirror symmetry, and the Fukaya category. Journal of Geometry and Physics, 2003, 48, 84-99.	0.7	84
20	Supersymmetry enhancement by monopole operators. Journal of High Energy Physics, 2011, 2011, 1.	1.6	78
21	Topological field theory on a lattice, discrete theta-angles and confinement. Advances in Theoretical and Mathematical Physics, 2014, 18, 1233-1247.	0.4	61
22	Exact bosonization in two spatial dimensions and a new class of lattice gauge theories. Annals of Physics, 2018, 393, 234-253.	1.0	49
23	On the Relation Between Open and Closed Topological Strings. Communications in Mathematical Physics, 2004, 252, 393-414.	1.0	45
24	Exact results for supersymmetric abelian vortex loops in 2 + 1 dimensions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	45
25	Dualities for 3d theories with tensor matter. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
26	Dualities between $\mathcal{N} = 8$ superconformal field theories in three dimensions. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
27	Bosonization in three spatial dimensions and a 2-form gauge theory. Physical Review B, 2019, 100, .	1.1	31
28	Thermal Hall conductance and a relative topological invariant of gapped two-dimensional systems. Physical Review B, 2020, 101, .	1.1	31
29	Three-dimensional topological field theory and symplectic algebraic geometry I. Nuclear Physics B, 2009, 816, 295-355.	0.9	29
30	Berry phase in quantum field theory: Diabolical points and boundary phenomena. Physical Review B, 2020, 102, .	1.1	27
31	Local Commuting Projector Hamiltonians and the Quantum Hall Effect. Communications in Mathematical Physics, 2020, 373, 763-769.	1.0	24
32	Homological Mirror Symmetry for manifolds of general type. Open Mathematics, 2009, 7, .	0.5	23
33	Higher-dimensional generalizations of Berry curvature. Physical Review B, 2020, 101, .	1.1	19
34	Equivariant topological quantum field theory and symmetry protected topological phases. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
35	Hall conductance and the statistics of flux insertions in gapped interacting lattice systems. Journal of Mathematical Physics, 2020, 61, .	0.5	14
36	Absence of Energy Currents in an Equilibrium State and Chiral Anomalies. Physical Review Letters, 2019, 123, 060601.	2.9	13

#	Article	IF	Citations
37	Tests of Seiberg-like dualities in three dimensions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
38	Free and interacting short-range entangled phases of fermions: Beyond the tenfold way. Physical Review B, 2019, 100, .	1.1	11
39	A classification of invertible phases of bosonic quantum lattice systems in one dimension. Journal of Mathematical Physics, 2021, 62, .	0.5	8
40	Wilsonian effective field theory of two-dimensional Van Hove singularities. Physical Review B, 2018, 98, .	1.1	3
41	Nernst and Ettingshausen effects in gapped quantum materials. Physical Review B, 2021, 103, .	1.1	3
42	Microscopic formulas for thermoelectric transport coefficients in lattice systems. Physical Review B, 2021, 104, .	1.1	3
43	Piezosuperconductivity: Novel effects in noncentrosymmetric superconductors. Physical Review B, 2022, 105, .	1.1	2
44	Non-relativistic geometry and the equivalence principle. Classical and Quantum Gravity, 2021, 38, 135003.	1.5	1
45	SPIN TQFTS AND FERMIONIC PHASES OF MATTER. , 2016, , .		0