

# Anton Kapustin

## List of Publications by Year in descending order

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45  
papers

4,837  
citations

186265

28  
h-index

254184

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezosuperconductivity: Novel effects in noncentrosymmetric superconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	2
2	Non-relativistic geometry and the equivalence principle. <i>Classical and Quantum Gravity</i> , 2021, 38, 135003.	4.0	1
3	Nernst and Ettingshausen effects in gapped quantum materials. <i>Physical Review B</i> , 2021, 103, .	3.2	3
4	Microscopic formulas for thermoelectric transport coefficients in lattice systems. <i>Physical Review B</i> , 2021, 104, .	3.2	3
5	A classification of invertible phases of bosonic quantum lattice systems in one dimension. <i>Journal of Mathematical Physics</i> , 2021, 62, .	1.1	8
6	Local Commuting Projector Hamiltonians and the Quantum Hall Effect. <i>Communications in Mathematical Physics</i> , 2020, 373, 763-769.	2.2	24
7	Hall conductance and the statistics of flux insertions in gapped interacting lattice systems. <i>Journal of Mathematical Physics</i> , 2020, 61, .	1.1	14
8	Berry phase in quantum field theory: Diabolical points and boundary phenomena. <i>Physical Review B</i> , 2020, 102, .	3.2	27
9	Higher-dimensional generalizations of Berry curvature. <i>Physical Review B</i> , 2020, 101, .	3.2	19
10	Thermal Hall conductance and a relative topological invariant of gapped two-dimensional systems. <i>Physical Review B</i> , 2020, 101, .	3.2	31
11	Tests of Seiberg-like dualities in three dimensions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
12	Absence of Energy Currents in an Equilibrium State and Chiral Anomalies. <i>Physical Review Letters</i> , 2019, 123, 060601.	7.8	13
13	Free and interacting short-range entangled phases of fermions: Beyond the tenfold way. <i>Physical Review B</i> , 2019, 100, .	3.2	11
14	Bosonization in three spatial dimensions and a 2-form gauge theory. <i>Physical Review B</i> , 2019, 100, .	3.2	31
15	Exact bosonization in two spatial dimensions and a new class of lattice gauge theories. <i>Annals of Physics</i> , 2018, 393, 234-253.	2.8	49
16	Wilsonian effective field theory of two-dimensional Van Hove singularities. <i>Physical Review B</i> , 2018, 98, .	3.2	3
17	State sum constructions of spin-TFTs and string net constructions of fermionic phases of matter. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	85
18	Theta, time reversal and temperature. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	292

#	ARTICLE	IF	CITATIONS
19	Fermionic SPT phases in higher dimensions and bosonization. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
20	Equivariant topological quantum field theory and symmetry protected topological phases. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
21	Spin TQFTs and fermionic phases of matter. International Journal of Modern Physics A, 2016, 31, 1645044.	1.5	125
22	SPIN TQFTS AND FERMIONIC PHASES OF MATTER. , 2016, , .		0
23	Fermionic symmetry protected topological phases and cobordisms. Journal of High Energy Physics, 2015, 2015, 1-21.	4.7	207
24	Generalized global symmetries. Journal of High Energy Physics, 2015, 2015, 1.	4.7	755
25	Coupling a QFT to a TQFT and duality. Journal of High Energy Physics, 2014, 2014, 1.	4.7	272
26	Anomalous Discrete Symmetries in Three Dimensions and Group Cohomology. Physical Review Letters, 2014, 112, 231602.	7.8	102
27	Topological field theory on a lattice, discrete theta-angles and confinement. Advances in Theoretical and Mathematical Physics, 2014, 18, 1233-1247.	0.6	61
28	Exact results for supersymmetric abelian vortex loops in 2 + 1 dimensions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	45
29	Topological boundary conditions in abelian Chern-Simons theory. Nuclear Physics B, 2011, 845, 393-435.	2.5	130
30	Supersymmetry enhancement by monopole operators. Journal of High Energy Physics, 2011, 2011, 1.	4.7	78
31	Dualities between $\mathcal{N} = 8$ superconformal field theories in three dimensions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	33
32	Dualities for 3d theories with tensor matter. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
33	Exact results for Wilson loops in superconformal Chern-Simons theories with matter. Journal of High Energy Physics, 2010, 2010, 1.	4.7	653
34	Nonperturbative tests of three-dimensional dualities. Journal of High Energy Physics, 2010, 2010, 1.	4.7	171
35	Homological Mirror Symmetry for manifolds of general type. Open Mathematics, 2009, 7, .	1.0	23
36	Three-dimensional topological field theory and symplectic algebraic geometry I. Nuclear Physics B, 2009, 816, 295-355.	2.5	29

#	ARTICLE	IF	CITATIONS
37	Electric-magnetic duality and the geometric Langlands program. Communications in Number Theory and Physics, 2007, 1, 1-236.	1.0	467
38	TOPOLOGICAL STRINGS ON NONCOMMUTATIVE MANIFOLDS. International Journal of Geometric Methods in Modern Physics, 2004, 01, 49-81.	2.0	87
39	On the Relation Between Open and Closed Topological Strings. Communications in Mathematical Physics, 2004, 252, 393-414.	2.2	45
40	Remarks on A-branes, mirror symmetry, and the Fukaya category. Journal of Geometry and Physics, 2003, 48, 84-99.	1.4	84
41	D-branes in Landau-Ginzburg models and algebraic geometry. Journal of High Energy Physics, 2003, 2003, 005-005.	4.7	133
42	Topological Correlators in Landau-Ginzburg Models with Boundaries. Advances in Theoretical and Mathematical Physics, 2003, 7, 727-749.	0.6	98
43	Monopole Operators and Mirror Symmetry in Three Dimensions. Journal of High Energy Physics, 2002, 2002, 044-044.	4.7	149
44	D-branes in a topologically nontrivial $B\mathbb{Z}_2$ -field. Advances in Theoretical and Mathematical Physics, 2000, 4, 127-154.	0.6	96
45	On mirror symmetry in three dimensional Abelian gauge theories. Journal of High Energy Physics, 1999, 1999, 021-021.	4.7	205