

Michael Pretko

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,039
citations

331259

21
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractons from frustration in hole-doped antiferromagnets. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	12
2	Odd fracton theories, proximate orders, and parton constructions. <i>Physical Review B</i> , 2020, 102, .	1.1	5
3	Fracton phases of matter. <i>International Journal of Modern Physics A</i> , 2020, 35, 2030003.	0.5	211
4	Fractons from polarons. <i>Physical Review B</i> , 2020, 102, .	1.1	24
5	Fractons from confinement in one dimension. <i>Physical Review Research</i> , 2020, 2, .	1.3	38
6	Emergent fractons and algebraic quantum liquid from plaquette melting transitions. <i>Physical Review Research</i> , 2020, 2, .	1.3	34
7	Symmetric tensor gauge theories on curved spaces. <i>Annals of Physics</i> , 2019, 410, 167910.	1.0	63
8	Unitary-projective entanglement dynamics. <i>Physical Review B</i> , 2019, 99, .	1.1	246
9	Crystal-to-fracton tensor gauge theory dualities. <i>Physical Review B</i> , 2019, 100, .	1.1	38
10	Dynamical Scar States in Driven Fracton Systems. <i>Physical Review Letters</i> , 2019, 123, 136401.	2.9	80
11	Localization in Fractonic Random Circuits. <i>Physical Review X</i> , 2019, 9, .	2.8	101
12	Electric circuit realizations of fracton physics. <i>Physical Review B</i> , 2019, 100, .	1.1	9
13	Emergent phases of fractonic matter. <i>Physical Review B</i> , 2018, 97, .	1.1	70
14	On the entanglement entropy of Maxwell theory: a condensed matter perspective. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	6
15	Symmetry-Enriched Fracton Phases from Supersolid Duality. <i>Physical Review Letters</i> , 2018, 121, 235301.	2.9	49
16	The fracton gauge principle. <i>Physical Review B</i> , 2018, 98, .	1.1	112
17	Localization of extended quantum objects. <i>Physical Review B</i> , 2018, 98, .	1.1	11
18	ac conductivity crossover in localized superconductors. <i>Physical Review B</i> , 2018, 98, .	1.1	0

#	ARTICLE	IF	CITATIONS
19	Pinch point singularities of tensor spin liquids. Physical Review B, 2018, 98, .	1.1	46
20	Higher-rank deconfined quantum criticality at the Lifshitz transition and the exciton Bose condensate. Physical Review B, 2018, 98, .	1.1	42
21	Fractonic line excitations: An inroad from three-dimensional elasticity theory. Physical Review B, 2018, 97, .	1.1	50
22	Fracton-Elasticity Duality. Physical Review Letters, 2018, 120, 195301.	2.9	166
23	Subdimensional particle structure of higher rank $U(1)$ quantum spin liquids. Physical Review B, 2017, 95, .	1.1	259
24	Higher-spin Witten effect and two-dimensional fracton phases. Physical Review B, 2017, 96, .	1.1	74
25	Nodal-line entanglement entropy: Generalized Widom formula from entanglement Hamiltonians. Physical Review B, 2017, 95, .	1.1	7
26	Finite-temperature screening of $U(1)$ fractons. Physical Review B, 2017, 96, .	1.1	32
27	Generalized electromagnetism of subdimensional particles: A spin liquid story. Physical Review B, 2017, 96, .	1.1	160
28	Emergent gravity of fractons: Mach's principle revisited. Physical Review D, 2017, 96, .	1.6	93
29	Entanglement entropy of $U(1)$ quantum spin liquids. Physical Review B, 2016, 94, .	1.1	21