

# Michael Pretko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9574978/publications.pdf>

Version: 2024-02-01

29  
papers

2,039  
citations

331538

21  
h-index

501076

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g-index

29  
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29  
docs citations

29  
times ranked

602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unitary-projective entanglement dynamics. Physical Review B, 2019, 99, .	1.1	246
2	Subdimensional particle structure of higher rank $U(1)$ spin liquids. Physical Review B, 2017, 95, .	1.1	239
3	Fracton phases of matter. International Journal of Modern Physics A, 2020, 35, 2030003.	0.5	211
4	Fracton-Elasticity Duality. Physical Review Letters, 2018, 120, 195301.	2.9	166
5	Generalized electromagnetism of subdimensional particles: A spin liquid story. Physical Review B, 2017, 96, .	1.1	160
6	The fracton gauge principle. Physical Review B, 2018, 98, .	1.1	112
7	Localization in Fractonic Random Circuits. Physical Review X, 2019, 9, .	2.8	101
8	Emergent gravity of fractons: Mach's principle revisited. Physical Review D, 2017, 96, .	1.6	93
9	Dynamical Scar States in Driven Fracton Systems. Physical Review Letters, 2019, 123, 136401.	2.9	80
10	Higher-spin Witten effect and two-dimensional fracton phases. Physical Review B, 2017, 96, .	1.1	74
11	Emergent phases of fractonic matter. Physical Review B, 2018, 97, .	1.1	70
12	Symmetric tensor gauge theories on curved spaces. Annals of Physics, 2019, 410, 167910.	1.0	63
13	Fractonic line excitations: An inroad from three-dimensional elasticity theory. Physical Review B, 2018, 97, .	1.1	50
14	Symmetry-Enriched Fracton Phases from Supersolid Duality. Physical Review Letters, 2018, 121, 235301.	2.9	49
15	Pinch point singularities of tensor spin liquids. Physical Review B, 2018, 98, .	1.1	46
16	Higher-rank deconfined quantum criticality at the Lifshitz transition and the exciton Bose condensate. Physical Review B, 2018, 98, .	1.1	42
17	Crystal-to-fracton tensor gauge theory dualities. Physical Review B, 2019, 100, .	1.1	38
18	Fractons from confinement in one dimension. Physical Review Research, 2020, 2, .	1.3	38

#	ARTICLE	IF	CITATIONS
19	Emergent fractons and algebraic quantum liquid from plaquette melting transitions. Physical Review Research, 2020, 2, .	1.3	34
20	Finite-temperature screening of $U(1)$ fractons. Physical Review B, 2017, 96, .	1.1	32
21	Fractons from polarons. Physical Review B, 2020, 102, .	1.1	24
22	Entanglement entropy of $U(1)$ quantum spin liquids. Physical Review B, 2016, 94, .	1.1	21
23	Fractons from frustration in hole-doped antiferromagnets. Npj Quantum Materials, 2020, 5, .	1.8	12
24	Localization of extended quantum objects. Physical Review B, 2018, 98, .	1.1	11
25	Electric circuit realizations of fracton physics. Physical Review B, 2019, 100, .	1.1	9
26	Nodal-line entanglement entropy: Generalized Widom formula from entanglement Hamiltonians. Physical Review B, 2017, 95, .	1.1	7
27	On the entanglement entropy of Maxwell theory: a condensed matter perspective. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
28	Odd fracton theories, proximate orders, and parton constructions. Physical Review B, 2020, 102, .	1.1	5
29	ac conductivity crossover in localized superconductors. Physical Review B, 2018, 98, .	1.1	0