Ke Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5156729/publications.pdf

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19	368	840776 11	794594 19
papers	citations	h-index	g-index

19	19	19	310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual gauge field theory of quantum liquid crystals in two dimensions. Physics Reports, 2017, 683, 1-110.	25.6	99
2	Probing hidden spin order with interpretable machine learning. Physical Review B, 2019, 99, .	3.2	48
3	Learning multiple order parameters with interpretable machines. Physical Review B, 2019, 99, .	3.2	38
4	Quantum phase transition in an array of coupled dissipative cavities. Physical Review A, 2011, 83, .	2.5	27
5	Classification of point-group-symmetric orientational ordering tensors. Physical Review E, 2016, 94, 022701.	2.1	21
6	Generalized Liquid Crystals: Giant Fluctuations and the Vestigial Chiral Order of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>I</mml:mi></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>O</mml:mi></mml:math>, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math>	8.9	18
7	Identification of emergent constraints and hidden order in frustrated magnets using tensorial kernel methods of machine learning. Physical Review B, 2019, 100, .	3.2	17
8	Revealing the phase diagram of Kitaev materials by machine learning: Cooperation and competition between spin liquids. Physical Review Research, 2021, 3, .	3.6	16
9	Alternative Kondo breakdown mechanism: Orbital-selective orthogonal metal transition. Physical Review B, 2012, 86, .	3.2	14
10	Correlated metallic state in honeycomb lattice: Orthogonal Dirac semimetal. Physical Review B, 2012, 86, .	3.2	13
11	Classification of nematic order in 2â€‰+â€‰1 dimensions: Dislocation melting and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>O</mml:mi></mml:math>(2)/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Z</mml:mi><mml:mi>N</mml:mi></mml:msub></mml:ma gauge theory. Physical Review B, 2015, 91, .	3.2	13
12	Hierarchy of orientational phases and axial anisotropies in the gauge theoretical description of generalized nematic liquid crystals. Physical Review E, 2017, 95, 022704.	2.1	9
13	Machine-learned phase diagrams of generalized Kitaev honeycomb magnets. Physical Review Research, 2021, 3, .	3.6	9
14	Half-filled Kondo lattice on the honeycomb lattice. European Physical Journal B, 2013, 86, 1.	1.5	7
15	Generic first-order phase transitions between isotropic and orientational phases with polyhedral symmetries. Physical Review E, 2018, 97, 012706.	2.1	5
16	Finite temperature physics of 1D topological Kondo insulator: Stable Haldane phase, emergent energy scale and beyond. Frontiers of Physics, 2019, 14, 1.	5.0	4
17	The view of TK-SVM on the phase hierarchy in the classical kagome Heisenberg antiferromagnet. Journal of Physics Condensed Matter, 2021, 33, 054002.	1.8	4
18	Extended dual description of Mott transition beyond two-dimensional space. Physical Review B, 2012, 85, .	3.2	3

#	Article	IF	Citations
19	Inferring hidden symmetries of exotic magnets from detecting explicit order parameters. Physical Review E, 2021, 104, 015311.	2.1	3