

Ke Liu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

368
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Revealing the phase diagram of Kitaev materials by machine learning: Cooperation and competition between spin liquids. Physical Review Research, 2021, 3, .	3.6	16
3	Inferring hidden symmetries of exotic magnets from detecting explicit order parameters. Physical Review E, 2021, 104, 015311.	2.1	3
4	Machine-learned phase diagrams of generalized Kitaev honeycomb magnets. Physical Review Research, 2021, 3, .	3.6	9
5	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
6	Learning multiple order parameters with interpretable machines. Physical Review B, 2019, 99, .	3.2	38
7	Probing hidden spin order with interpretable machine learning. Physical Review B, 2019, 99, .	3.2	48
8	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
9	Generic first-order phase transitions between isotropic and orientational phases with polyhedral symmetries. Physical Review E, 2018, 97, 012706.	2.1	5
10	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
11	Dual gauge field theory of quantum liquid crystals in two dimensions. Physics Reports, 2017, 683, 1-110.	25.6	99
12	Classification of point-group-symmetric orientational ordering tensors. Physical Review E, 2016, 94, 022701.	2.1	21
13	Generalized Liquid Crystals: Giant Fluctuations and the Vestigial Chiral Order of $\langle \mathbf{l} \rangle$, $\langle \mathbf{O} \rangle$, and $\langle \mathbf{Z} \rangle$	8.9	18
14	Classification of nematic order in $2+1$ dimensions: Dislocation melting and $\langle \mathbf{O} \rangle$ gauge theory. Physical Review B, 2015, 91, .	3.2	13
15	Half-filled Kondo lattice on the honeycomb lattice. European Physical Journal B, 2013, 86, 1.	1.5	7
16	Alternative Kondo breakdown mechanism: Orbital-selective orthogonal metal transition. Physical Review B, 2012, 86, .	3.2	14
17	Extended dual description of Mott transition beyond two-dimensional space. Physical Review B, 2012, 85, .	3.2	3
18	Correlated metallic state in honeycomb lattice: Orthogonal Dirac semimetal. Physical Review B, 2012, 86, .	3.2	13

#	ARTICLE	IF	CITATIONS
19	Quantum phase transition in an array of coupled dissipative cavities. <i>Physical Review A</i> , 2011, 83, .	2.5	27