Siddhartha Lal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4975099/publications.pdf

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19	179	1163117	1125743
papers	citations	8 h-index	13 g-index

19	19	19	163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-stage orbital order and dynamical spin frustration in KCuF3. Nature Physics, 2012, 8, 63-66.	16.7	35
2	Transport through Quasiballistic Quantum Wires: The Role of Contacts. Physical Review Letters, 2001, 87, .	7.8	24
3	Orbital and spin ordering physics of the Mn3O4 spinel. Physical Review B, 2017, 96, .	3.2	16
4	Correlated spin liquids in the quantum kagome antiferromagnet at finite field: a renormalization group analysis. New Journal of Physics, 2019, 21, 023019.	2.9	13
5	Scaling theory for Mottâ€“Hubbard transitions: I. T = 0 phase diagram of the 1/2-filled Hubbard model. New Journal of Physics, 2020, 22, 063007.	2.9	13
6	Scaling theory for Mottâ€“Hubbard transitions-II: quantum criticality of the doped Mott insulator. New Journal of Physics, 2020, 22, 063008.	2.9	13
7	One-dimensional fermions with incommensuration. Physical Review B, 2000, 61, 9001-9013.	3.2	10
8	Holographic unitary renormalization group for correlated electrons - II: Insights on fermionic criticality. Nuclear Physics B, 2020, 960, 115163.	2.5	8
9	Holographic unitary renormalization group for correlated electrons - I: A tensor network approach. Nuclear Physics B, 2020, 960, 115170.	2.5	7
10	Fermionic criticality is shaped by Fermi surface topology: a case study of the Tomonaga-Luttinger liquid. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
11	Magnetization plateaus of the quantum pyrochlore Heisenberg antiferromagnet. Physical Review B, 2019, 100, .	3.2	6
12	Topological approach to quantum liquid ground states on geometrically frustrated Heisenberg antiferromagnets. Journal of Physics Condensed Matter, 2020, 32, 165805.	1.8	6
13	Origin of topological order in a Cooper-pair insulator. Physical Review B, 2021, 104, .	3.2	6
14	Unveiling the Kondo cloud: Unitary renormalization-group study of the Kondo model. Physical Review B, 2022, 105, .	3.2	5
15	Superconductivity from repulsion in the doped 2D electronic Hubbard model: an entanglement perspective. Journal of Physics Condensed Matter, 2022, , .	1.8	4
16	From frustrated insulators to correlated anisotropic metals: charge-ordering and quantum criticality in coupled chain systems. Journal of Physics Condensed Matter, 2008, 20, 235213.	1.8	3
17	Unveiling topological order through multipartite entanglement. Physical Review A, 2022, 105, .	2.5	2
18	ORDERING FROM FRUSTRATION IN A STRONGLY CORRELATED ONE-DIMENSIONAL SYSTEM. International Journal of Modern Physics B, 2009, 23, 3687-3708.	2.0	1

#	Article	IF	Citations
19	Electron transport through ballistic quantum channels. Applied Surface Science, 2001, 182, 377-380.	6.1	0