

Vladislav PokornÃ½

List of Publications by Year in descending order

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29
papers

360
citations

840776

11
h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation theory of a superconducting $0 \hat{\sim} \text{I} \epsilon$ impurity quantum phase transition. Scientific Reports, 2015, 5, 8821.	3.3	46
2	Critical metal-insulator transition and divergence in a two-particle irreducible vertex in disordered and interacting electron systems. Physical Review B, 2014, 90, .	3.2	43
3	Perturbation theory for an Anderson quantum dot asymmetrically attached to two superconducting leads. Physical Review B, 2016, 93, .	3.2	40
4	On the possibility of excitonic magnetism in Ir double perovskites. Physical Review B, 2016, 93, .	3.2	35
5	Thermodynamically consistent description of criticality in models of correlated electrons. Physical Review B, 2017, 95, .	3.2	28
6	Josephson-phase-controlled interplay between correlation effects and electron pairing in a three-terminal nanostructure. Physical Review B, 2017, 95, .	3.2	24
7	Practical Guide to Quantum Phase Transitions in Quantum-Dot-Based Tunable Josephson Junctions. Physical Review Applied, 2019, 11, .	3.8	21
8	Silver Makes Better Electrical Contacts to Thiol-terminated Silanes than Gold. Angewandte Chemie - International Edition, 2017, 56, 14145-14148.	13.8	19
9	Spectral and transport properties of a half-filled Anderson impurity coupled to phase-biased superconducting and metallic leads. Physical Review B, 2021, 103, .	3.2	17
10	Critical properties of the mixed spin-1 and spin- anisotropic Heisenberg model in the Oguchi approximation. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2157-2167.	2.6	15
11	Mean-field approximation for thermodynamic and spectral functions of correlated electrons: Strong coupling and arbitrary band filling. Physical Review B, 2017, 95, .	3.2	11
12	Anomalous behaviour of the magnetic susceptibility of the mixed spin-1 and spin- $\hat{A}1/2$ anisotropic Heisenberg model in the Oguchi approximation. Journal of Physics: Conference Series, 2010, 200, 022001.	0.4	10
13	Vertex corrections to the electrical conductivity in models with elastically scattered electrons. Physical Review B, 2010, 81, .	3.2	10
14	Strongly correlated electrons: Analytic mean-field theories with two-particle self-consistency. Physical Review B, 2019, 100, .	3.2	10
15	Correlation effects in superconducting quantum dot systems. Physica B: Condensed Matter, 2018, 536, 488-491.	2.7	8
16	Second Order Perturbation Theory for a Superconducting Double Quantum Dot. , 2020, , .		6
17	Vertex corrections to the mean-field electrical conductivity in disordered electron systems. Journal of Physics Condensed Matter, 2013, 25, 175502.	1.8	5
18	Footprints of impurity quantum phase transitions in quantum Monte Carlo statistics. Physical Review Research, 2021, 3, .	3.6	4

#	ARTICLE	IF	CITATIONS
19	Spin-symmetric solution of an interacting quantum dot attached to superconducting leads: Andreev states and the 0- π transition. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	2
20	Silver Makes Better Electrical Contacts to Thiol- π -Terminated Silanes than Gold. <i>Angewandte Chemie</i> , 2017, 129, 14333-14336.	2.0	2
21	Curie-Weiss susceptibility in strongly correlated electron systems. <i>Physical Review B</i> , 2020, 102, .	3.2	2
22	Renormalized perturbation theories of Anderson localization: Self-consistent two-particle vertices. <i>Annalen Der Physik</i> , 2011, 523, 715-723.	2.4	1
23	Diagrammatic Perturbation Technique for a Quantum Dot Connected to Superconducting Leads. <i>Acta Physica Polonica A</i> , 2014, 126, 352-353.	0.5	1
24	Conductivity of the disordered Anderson model. , 2012, , .		0
25	Quantum transport in strongly disordered crystals: Electrical conductivity with large negative vertex corrections. <i>Journal of Physics: Conference Series</i> , 2012, 400, 042023.	0.4	0
26	Symmetric Anderson impurity model: Magnetic susceptibility, specific heat and Wilson ratio. <i>Physica B: Condensed Matter</i> , 2018, 536, 704-707.	2.7	0
27	Evolution of the Andreev bands in the half-filled superconducting periodic Anderson model. <i>Physical Review B</i> , 2021, 104, .	3.2	0
28	Vertex Corrections to the Electrical Conductivity of the Disordered Falicov-Kimball Model. <i>Acta Physica Polonica A</i> , 2010, 118, 922-923.	0.5	0
29	Simplified Parquet Equations for the Anderson Impurity Model: Comparison with Numerically Exact Solutions. <i>Acta Physica Polonica A</i> , 2017, 131, 1042-1044.	0.5	0