

# Vladislav PokornÃ½

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

360  
citations

840776

11  
h-index

794594

19  
g-index

29  
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29  
docs citations

29  
times ranked

351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Footprints of impurity quantum phase transitions in quantum Monte Carlo statistics. <i>Physical Review Research</i> , 2021, 3, .	3.6	4
2	Spectral and transport properties of a half-filled Anderson impurity coupled to phase-biased superconducting and metallic leads. <i>Physical Review B</i> , 2021, 103, .	3.2	17
3	Evolution of the Andreev bands in the half-filled superconducting periodic Anderson model. <i>Physical Review B</i> , 2021, 104, .	3.2	0
4	Curie-Weiss susceptibility in strongly correlated electron systems. <i>Physical Review B</i> , 2020, 102, .	3.2	2
5	Second Order Perturbation Theory for a Superconducting Double Quantum Dot. , 2020, , .		6
6	Strongly correlated electrons: Analytic mean-field theories with two-particle self-consistency. <i>Physical Review B</i> , 2019, 100, .	3.2	10
7	Practical Guide to Quantum Phase Transitions in Quantum-Dot-Based Tunable Josephson Junctions. <i>Physical Review Applied</i> , 2019, 11, .	3.8	21
8	Correlation effects in superconducting quantum dot systems. <i>Physica B: Condensed Matter</i> , 2018, 536, 488-491.	2.7	8
9	Symmetric Anderson impurity model: Magnetic susceptibility, specific heat and Wilson ratio. <i>Physica B: Condensed Matter</i> , 2018, 536, 704-707.	2.7	0
10	Thermodynamically consistent description of criticality in models of correlated electrons. <i>Physical Review B</i> , 2017, 95, .	3.2	28
11	Josephson-phase-controlled interplay between correlation effects and electron pairing in a three-terminal nanostructure. <i>Physical Review B</i> , 2017, 95, .	3.2	24
12	Silver Makes Better Electrical Contacts to Thiolâ€Terminated Silanes than Gold. <i>Angewandte Chemie</i> , 2017, 129, 14333-14336.	2.0	2
13	Mean-field approximation for thermodynamic and spectral functions of correlated electrons: Strong coupling and arbitrary band filling. <i>Physical Review B</i> , 2017, 95, .	3.2	11
14	Silver Makes Better Electrical Contacts to Thiolâ€Terminated Silanes than Gold. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14145-14148.	13.8	19
15	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
16	Spin-symmetric solution of an interacting quantum dot attached to superconducting leads: Andreev states and the 0-â€ transition. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	2
17	Perturbation theory for an Anderson quantum dot asymmetrically attached to two superconducting leads. <i>Physical Review B</i> , 2016, 93, .	3.2	40
18	On the possibility of excitonic magnetism in Ir double perovskites. <i>Physical Review B</i> , 2016, 93, .	3.2	35

#	ARTICLE	IF	CITATIONS
19	Perturbation theory of a superconducting $0 \hat{\sim} \text{I} \in$ impurity quantum phase transition. Scientific Reports, 2015, 5, 8821.	3.3	46
20	Diagrammatic Perturbation Technique for a Quantum Dot Connected to Superconducting Leads. Acta Physica Polonica A, 2014, 126, 352-353.	0.5	1
21	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
22	Vertex corrections to the mean-field electrical conductivity in disordered electron systems. Journal of Physics Condensed Matter, 2013, 25, 175502.	1.8	5
23	Conductivity of the disordered Anderson model. , 2012, , .		0
24	Quantum transport in strongly disordered crystals: Electrical conductivity with large negative vertex corrections. Journal of Physics: Conference Series, 2012, 400, 042023.	0.4	0
25	Renormalized perturbation theories of Anderson localization: Self-consistent two-particle vertices. Annalen Der Physik, 2011, 523, 715-723.	2.4	1
26	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
27	Vertex corrections to the electrical conductivity in models with elastically scattered electrons. Physical Review B, 2010, 81, .	3.2	10
28	Vertex Corrections to the Electrical Conductivity of the Disordered Falicov-Kimball Model. Acta Physica Polonica A, 2010, 118, 922-923.	0.5	0
29	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