Guy Cohen

List of Publications by Year
in descending order

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38	2,398	279487 23	315357 38
papers	citations	h-index	g-index

38	38	38	2659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kondo cloud in a one-dimensional nanowire. Physical Review B, 2022, 105, .	1.1	4
2	Interaction-expansion inchworm Monte Carlo solver for lattice and impurity models. Physical Review B, 2022, 105, .	1.1	5
3	Revealing strong correlations in higher-order transport statistics: A noncrossing approximation approach. Physical Review B, 2021, 103, .	1.1	11
4	Resolving the nonequilibrium Kondo singlet in energy- and position-space using quantum measurements. SciPost Physics, 2021, 10, .	1.5	6
5	Dynamic control of nonequilibrium metal-insulator transitions. Physical Review B, 2020, 102, .	1.1	6
6	Correlated nonequilibrium steady states without energy flux. Physical Review B, 2020, 101, .	1.1	3
7	Multiorbital Quantum Impurity Solver for General Interactions and Hybridizations. Physical Review Letters, 2020, 124, 206405.	2.9	19
8	Greenâ€™s function methods for single molecule junctions. Journal of Chemical Physics, 2020, 152, 090901.	1.2	39
9	Lead geometry and transport statistics in molecular junctions. Journal of Chemical Physics, 2019, 150, 244107.	1.2	20
10	Numerically exact full counting statistics of the energy current in the Kondo regime. Physical Review B, 2019, 100, .	1.1	19
11	Auxiliary Master Equation for Nonequilibrium Dual-Fermion Approach. Physical Review Letters, 2019, 122, 186803.	2.9	12
12	Dynamics of Kondo voltage splitting after a quantum quench. Physical Review B, 2019, 100, .	1.1	28
13	Numerically exact full counting statistics of the nonequilibrium Anderson impurity model. Physical Review B, 2018, 97, .	1.1	42
14	Inclusion-exclusion principle for many-body diagrammatics. Physical Review B, 2018, 98, .	1.1	24
15	Inchworm Monte Carlo for exact non-adiabatic dynamics. I. Theory and algorithms. Journal of Chemical Physics, 2017, 146, 054105.	1.2	47
16	Currents and Green's functions of impurities out of equilibrium: Results from inchworm quantum Monte Carlo. Physical Review B, 2017, 95, .	1.1	36
17	Inchworm Monte Carlo for exact non-adiabatic dynamics. II. Benchmarks and comparison with established methods. Journal of Chemical Physics, 2017, 146, 054106.	1.2	33
18	Quantum Monte Carlo solution of the dynamical mean field equations in real time. Physical Review B, 2017, 96, .	1.1	26

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19	Anderson-Holstein model in two flavors of the noncrossing approximation. Physical Review B, 2016, 93, .	1.1	33
20	Transport through an Anderson impurity: Current ringing, nonlinear magnetization, and a direct comparison of continuous-time quantum Monte Carlo and hierarchical quantum master equations. Physical Review B, 2015, 92, .	1.1	62
21	Taming the Dynamical Sign Problem in Real-Time Evolution of Quantum Many-Body Problems. Physical Review Letters, 2015, 115, 266802.	2.9	138
22	Absence of Diffusion in an Interacting System of Spinless Fermions on a One-Dimensional Disordered Lattice. Physical Review Letters, 2015, 114, 100601.	2.9	246
23	Numerical operator method for the real-time dynamics of strongly correlated quantum impurity systems far from equilibrium. Physical Review B, 2015, 91, .	1.1	4
24	Greenâ€™s Functions from Real-Time Bold-Line MonteÂCarlo Calculations: Spectral Properties of the Nonequilibrium Anderson Impurity Model. Physical Review Letters, 2014, 112, 146802.	2.9	80
25	Green's functions from real-time bold-line Monte Carlo. Physical Review B, 2014, 89, .	1.1	51
26	Decoherence and lead-induced interdot coupling in nonequilibrium electron transport through interacting quantum dots: A hierarchical quantum master equation approach. Physical Review B, 2013, 88, .	1.1	110
27	Generalized projected dynamics for non-system observables of non-equilibrium quantum impurity models. New Journal of Physics, 2013, 15, 073018.	1.2	47
28	Numerically exact long-time magnetization dynamics at the nonequilibrium Kondo crossover of the Anderson impurity model. Physical Review B, 2013, 87, .	1.1	111
29	Bistability in a nonequilibrium quantum system with electron-phonon interactions. Physical Review B, 2013, 88, .	1.1	88
30	A semiclassical model for the non-equilibrium quantum transport of a many-electron Hamiltonian coupled to phonons. Molecular Physics, 2012, 110, 743-750.	0.8	13
31	Memory effects in nonequilibrium quantum impurity models. Physical Review B, 2011, 84, .	1.1	117
32	Application of a semiclassical model for the second-quantized many-electron Hamiltonian to nonequilibrium quantum transport: The resonant level model. Journal of Chemical Physics, 2011, 134, 164103.	1.2	40
33	Heavily Doped Semiconductor Nanocrystal Quantum Dots. Science, 2011, 332, 77-81.	6.0	657
34	Simulating Lattice Spin Models on Graphics Processing Units. Journal of Chemical Theory and Computation, 2010, 6, 3293-3301.	2.3	14
35	Electrostatic Force Microscopy Study of Single Auâ^’CdSe Hybrid Nanodumbbells: Evidence for Light-Induced Charge Separation. Nano Letters, 2009, 9, 2031-2039.	4.5	132
36	Negative differential spin conductance by population switching. Molecular Physics, 2008, 106, 341-347.	0.8	2

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37	Vacancy mediated ferromagnetic interaction in TiO2 doped with magnetic ions. Journal of Applied Physics, 2007, 101, 09H106.	1.1	16
38	Constructing spin interference devices from nanometric rings. Physical Review B, 2007, 76, .	1.1	57