

James K. Freericks

List of Publications by Year in descending order

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papers

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279
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docs citations

279
times ranked

5020
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered two-dimensional Ising interactions in a trapped-ion quantum simulator with hundreds of spins. <i>Nature</i> , 2012, 484, 489-492.	13.7	722
2	Quantum simulation of frustrated Ising spins with trapped ions. <i>Nature</i> , 2010, 465, 590-593.	13.7	642
3	Anomalous normal-state properties of high-Tc superconductors: intrinsic properties of strongly correlated electron systems?. <i>Advances in Physics</i> , 1995, 44, 187-210.	35.9	415
4	Emergence and Frustration of Magnetism with Variable-Range Interactions in a Quantum Simulator. <i>Science</i> , 2013, 340, 583-587.	6.0	366
5	Onset of a quantum phase transition with a trapped ion quantum simulator. <i>Nature Communications</i> , 2011, 2, 377.	5.8	318
6	Strong-coupling expansions for the pure and disordered Bose-Hubbard model. <i>Physical Review B</i> , 1996, 53, 2691-2700.	1.1	315
7	Exact dynamical mean-field theory of the Falicov-Kimball model. <i>Reviews of Modern Physics</i> , 2003, 75, 1333-1382.	16.4	303
8	Nonequilibrium Dynamical Mean-Field Theory. <i>Physical Review Letters</i> , 2006, 97, 266408.	2.9	259
9	Theory of Floquet band formation and local pseudospin textures in pump-probe photoemission of graphene. <i>Nature Communications</i> , 2015, 6, 7047.	5.8	203
10	Theoretical Description of Time-Resolved Photoemission Spectroscopy: Application to Pump-Probe Experiments. <i>Physical Review Letters</i> , 2009, 102, 136401.	2.9	197
11	Phase diagram of the Bose-Hubbard Model. <i>Europhysics Letters</i> , 1994, 26, 545-550.	0.7	184
12	Holstein model in infinite dimensions. <i>Physical Review B</i> , 1993, 48, 6302-6314.	1.1	140
13	Quenching Bloch oscillations in a strongly correlated material: Nonequilibrium dynamical mean-field theory. <i>Physical Review B</i> , 2008, 77, .	1.1	105
14	Protracted screening in the periodic Anderson model. <i>Physical Review B</i> , 1997, 55, R3332-R3335.	1.1	94
15	Low-Temperature Coherence in the Periodic Anderson Model: Predictions for Photoemission of Heavy Fermions. <i>Physical Review Letters</i> , 1998, 80, 5168-5171.	2.9	92
16	Quantum simulation of the transverse Ising model with trapped ions. <i>New Journal of Physics</i> , 2011, 13, 105003.	1.2	92
17	Verification of a Many-Ion Simulator of the Dicke Model Through Slow Quenches across a Phase Transition. <i>Physical Review Letters</i> , 2018, 121, 040503.	2.9	90
18	Quantum simulation and phase diagram of the transverse-field Ising model with three atomic spins. <i>Physical Review B</i> , 2010, 82, .	1.1	87

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19	Examining Electron-Boson Coupling Using Time-Resolved Spectroscopy. <i>Physical Review X</i> , 2013, 3, .	2.8	82
20	Direct observation of Higgs mode oscillations in the pump-probe photoemission spectra of electron-phonon mediated superconductors. <i>Physical Review B</i> , 2015, 92, .	1.1	78
21	Strong-coupling expansion for the momentum distribution of the Bose-Hubbard model with benchmarking against exact numerical results. <i>Physical Review A</i> , 2009, 79, .	1.0	74
22	Zone-center phonons of bulk, few-layer, and monolayer $1T\bar{a}^{\sim}TaS_2$: Detection of commensurate charge density wave phase through Raman scattering. <i>Physical Review B</i> , 2016, 93, .	1.1	74
23	Two-state one-dimensional spinless Fermi gas. <i>Physical Review B</i> , 1990, 41, 2163-2172.	1.1	73
24	Theoretical description of high-order harmonic generation in solids. <i>New Journal of Physics</i> , 2013, 15, 023003.	1.2	73
25	Steady-State Nonequilibrium Density of States of Driven Strongly Correlated Lattice Models in Infinite Dimensions. <i>Physical Review Letters</i> , 2008, 101, 196401.	2.9	69
26	Energy dissipation from a correlated system driven out of equilibrium. <i>Nature Communications</i> , 2016, 7, 13761.	5.8	63
27	Competition between Electron-Phonon Attraction and Weak Coulomb Repulsion. <i>Physical Review Letters</i> , 1995, 75, 2570-2573.	2.9	62
28	Stripe Phases in the Two-Dimensional Falicov-Kimball Model. <i>Physical Review Letters</i> , 2002, 89, 196403.	2.9	60
29	Phase Separation due to Quantum Mechanical Correlations. <i>Physical Review Letters</i> , 2002, 88, 106401.	2.9	60
30	Nonlinear response of Bloch electrons in infinite dimensions. <i>Physical Review B</i> , 2005, 71, .	1.1	60
31	Relationship between the thermopower and entropy of strongly correlated electron systems. <i>Physical Review B</i> , 2007, 76, .	1.1	59
32	Conserving approximations for the attractive Holstein and Hubbard models. <i>Physical Review B</i> , 1994, 50, 403-417.	1.1	58
33	Nonequilibrium electron and lattice dynamics of strongly correlated $Bi_{2-x}Sr_xCaCu_2O_{8+\delta}$ single crystals. <i>Science Advances</i> , 2018, 4, eaap7427.	4.7	58
34	Optical conductivity of the infinite-dimensional Hubbard model. <i>Physical Review B</i> , 1995, 51, 11704-11711.	1.1	56
35	Observation of an Unconventional Metal-Insulator Transition in Overdoped CuO_2 Compounds. <i>Physical Review Letters</i> , 2002, 89, 107003.	2.9	56
36	Dynamical mean-field theory for strongly correlated inhomogeneous multilayered nanostructures. <i>Physical Review B</i> , 2004, 70, .	1.1	55

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37	Magnetic Phase Diagram of the Hubbard Model. <i>Physical Review Letters</i> , 1995, 74, 186-189.	2.9	53
38	Spinless Falicov-Kimball model (annealed binary alloy) from large to small dimensions. <i>Physical Review B</i> , 1993, 47, 9263-9272.	1.1	50
39	Spectroscopy and Thermometry of Drumhead Modes in a Mesoscopic Trapped-Ion Crystal Using Entanglement. <i>Physical Review Letters</i> , 2012, 108, 213003.	2.9	49
40	Anomalous magnetic response of the spin-one-half Falicov-Kimball model. <i>Physical Review B</i> , 1998, 58, 322-329.	1.1	48
41	Raman scattering through a metal-insulator transition. <i>Physical Review B</i> , 2001, 64, .	1.1	48
42	Strong-coupling perturbation theory for the two-dimensional Bose-Hubbard model in a magnetic field. <i>Physical Review B</i> , 1999, 60, 2357-2362.	1.1	47
43	Structural phase stability and electron-phonon coupling in lithium. <i>Physical Review B</i> , 1999, 59, 4028-4035.	1.1	46
44	Conformal deformation by the currents of affine g . <i>Annals of Physics</i> , 1988, 188, 258-306.	1.0	45
45	The Anharmonic Electron-Phonon Problem. <i>Physical Review Letters</i> , 1996, 77, 4588-4591.	2.9	45
46	Effect of dynamical spectral weight redistribution on effective interactions in time-resolved spectroscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	45
47	Iterated perturbation theory for the attractive Holstein and Hubbard models. <i>Physical Review B</i> , 1994, 50, 6939-6953.	1.1	44
48	Exact solution of the multicomponent Falicov-Kimball model in infinite dimensions. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2001, 81, 1443-1467.	0.6	43
49	Strong-coupling expansions for the attractive Holstein and Hubbard models. <i>Physical Review B</i> , 1993, 48, 3881-3891.	1.1	42
50	Review of the Theoretical Description of Time-Resolved Angle-Resolved Photoemission Spectroscopy in Electron-Phonon Mediated Superconductors. <i>Annalen Der Physik</i> , 2017, 529, 1600235.	0.9	41
51	Thermal transport in the Falicov-Kimball model on a Bethe lattice. <i>Physical Review B</i> , 2004, 69, .	1.1	40
52	Phase separation and the segregation principle in the infinite-U spinless Falicov-Kimball model. <i>Physical Review B</i> , 1999, 60, 1617-1626.	1.1	39
53	Segregation in the Falicov-Kimball Model. <i>Communications in Mathematical Physics</i> , 2002, 227, 243-279.	1.0	38
54	Ground state of a general electron-phonon Hamiltonian is a spin singlet. <i>Physical Review B</i> , 1995, 51, 2812-2821.	1.1	37

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55	Driven-dissipative quantum mechanics on a lattice: Simulating a fermionic reservoir on a quantum computer. <i>Physical Review B</i> , 2020, 102, .	1.1	37
56	Spectral moment sum rules for strongly correlated electrons in time-dependent electric fields. <i>Physical Review B</i> , 2006, 73, .	1.1	36
57	Mapping of unoccupied states and relevant bosonic modes via the time-dependent momentum distribution. <i>Physical Review B</i> , 2013, 87, .	1.1	36
58	Quantum computation of magnon spectra. <i>Physical Review B</i> , 2020, 101, .	1.1	35
59	Bang-bang shortcut to adiabaticity in the Dicke model as realized in a Penning trap experiment. <i>New Journal of Physics</i> , 2018, 20, 055013.	1.2	34
60	Charge-transfer metal-insulator transitions in the spin-12 Falicov-Kimball model. <i>Physical Review B</i> , 1998, 57, 11955-11961.	1.1	33
61	Appearance of "Fragile" Fermi Liquids in Finite-Width Mott Insulators Sandwiched between Metallic Leads. <i>Physical Review Letters</i> , 2009, 103, 116402.	2.9	33
62	Time-resolved photoemission of correlated electrons driven out of equilibrium. <i>Physical Review B</i> , 2010, 81, .	1.1	33
63	Creation of two-dimensional Coulomb crystals of ions in oblate Paul traps for quantum simulations. <i>EPJ Quantum Technology</i> , 2015, 2, .	2.9	32
64	Magnetic phase diagram of the Hubbard model in three dimensions: The second-order local approximation. <i>Physical Review B</i> , 1997, 55, 942-946.	1.1	31
65	Strong-coupling perturbation theory for the extended Bose-Hubbard model. <i>Physical Review A</i> , 2009, 79, .	1.0	31
66	Exact theory for electronic Raman scattering of correlated materials in infinite dimensions. <i>Physical Review B</i> , 2001, 64, .	1.1	30
67	Density-wave patterns for fermionic dipolar molecules on a square optical lattice: Mean-field-theory analysis. <i>Physical Review A</i> , 2011, 83, .	1.0	30
68	Thermal transport in the Falicov-Kimball model. <i>Physical Review B</i> , 2001, 64, .	1.1	29
69	Nonequilibrium "Melting" of a Charge Density Wave Insulator via an Ultrafast Laser Pulse. <i>Physical Review Letters</i> , 2014, 112, 176404.	2.9	29
70	Dynamical mean-field theory of an Ising double-exchange model with diagonal disorder. <i>Physical Review B</i> , 2001, 64, .	1.1	28
71	Application of Quantum Computing to Biochemical Systems: A Look to the Future. <i>Frontiers in Chemistry</i> , 2020, 8, 587143.	1.8	28
72	Tuning a Josephson junction through a quantum critical point. <i>Physical Review B</i> , 2001, 64, .	1.1	27

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73	Electronic Raman scattering in correlated materials: A treatment of nonresonant, mixed, and resonant scattering using dynamical mean-field theory. <i>Physical Review B</i> , 2005, 71, .	1.1	27
74	Electron-Mediated Relaxation Following Ultrafast Pumping of Strongly Correlated Materials: Model Evidence of a Correlation-Tuned Crossover between Thermal and Nonthermal States. <i>Physical Review Letters</i> , 2013, 111, 077401.	2.9	27
75	The Electron-Phonon Problem in Infinite Dimensions. <i>Europhysics Letters</i> , 1994, 25, 37-42.	0.7	26
76	Optical and dc-transport properties of a strongly correlated charge-density-wave system: Exact solution in the ordered phase of the spinless Falicov-Kimball model with dynamical mean-field theory. <i>Physical Review B</i> , 2008, 77, .	1.1	26
77	Pattern Formation in Mixtures of Ultracold Atoms in Optical Lattices. <i>Physical Review Letters</i> , 2008, 101, 060404.	2.9	26
78	Theoretical description of time-resolved pump/probe photoemission in TaS ₂ : a single-band DFT+DMFT(NRG) study within the quasiequilibrium approximation. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 948-954.	0.7	26
79	Evidence for exhaustion in the conductivity of the infinite-dimensional periodic Anderson model. <i>Physical Review B</i> , 1999, 60, 10782-10787.	1.1	25
80	Dynamical charge susceptibility of the spinless Falicov-Kimball model. <i>Physical Review B</i> , 2000, 62, 10022-10032.	1.1	24
81	Segregation and charge-density-wave order in the spinless Falicov-Kimball model. <i>Physical Review B</i> , 2000, 61, 13438-13444.	1.1	24
82	Charge-density-wave order parameter of the Falicov-Kimball model in infinite dimensions. <i>Physical Review B</i> , 2003, 68, .	1.1	24
83	Improving the efficiency of ultracold dipolar molecule formation by first loading onto an optical lattice. <i>Physical Review A</i> , 2010, 81, .	1.0	24
84	Possible experimentally observable effects of vertex corrections in superconductors. <i>Physical Review B</i> , 1998, 58, 14498-14510.	1.1	23
85	Charge Stripes Due to Electron Correlations in the Two-Dimensional Spinless Falicov-Kimball Model. <i>Journal of Statistical Physics</i> , 2004, 116, 699-718.	0.5	23
86	Nonequilibrium sum rules for the retarded self-energy of strongly correlated electrons. <i>Physical Review B</i> , 2008, 77, .	1.1	23
87	Theory for time-resolved resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2019, 99, .	1.1	23
88	Equilibrium properties of double-screened dipole-barrier SINIS Josephson junctions. <i>Physical Review B</i> , 2002, 65, .	1.1	22
89	Optimizing thermal transport in the Falicov-Kimball model: The binary-alloy picture. <i>Physical Review B</i> , 2003, 68, .	1.1	22
90	Intrinsic phonon effects on analog quantum simulators with ultracold trapped ions. <i>Physical Review A</i> , 2012, 86, .	1.0	22

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91	Phonon-mediated quantum spin simulator employing a planar ionic crystal in a Penning trap. <i>Physical Review A</i> , 2013, 87, .	1.0	22
92	Many-body thermodynamics on quantum computers via partition function zeros. <i>Science Advances</i> , 2021, 7, .	4.7	22
93	Microscopic self-consistent theory of Josephson junctions including dynamical electron correlations. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 3187-3213.	0.7	21
94	Nonresonant inelastic light scattering in the Hubbard model. <i>Physical Review B</i> , 2003, 67, .	1.1	21
95	Universal thermopower of bad metals. <i>Physical Review B</i> , 2014, 89, .	1.1	21
96	Quantum-Inspired Algorithm for the Factorized Form of Unitary Coupled Cluster Theory. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 841-847.	2.3	21
97	Algebraic compression of quantum circuits for Hamiltonian evolution. <i>Physical Review A</i> , 2022, 105, .	1.0	21
98	Exact many-body solution of the periodic-cluster-tâ€™J-model for cubic systems: Ground-state properties. <i>Physical Review B</i> , 1990, 42, 4960-4978.	1.1	20
99	Comparison of structural transformations and superconductivity in compressed sulfur and selenium. <i>Physical Review B</i> , 2001, 63, .	1.1	20
100	Electronic thermal transport in strongly correlated multilayered nanostructures. <i>Physical Review B</i> , 2007, 75, .	1.1	20
101	Thermoelectricity in tunneling nanostructures. <i>Physical Review B</i> , 2015, 92, .	1.1	20
102	Nonequilibrium perturbation theory of the spinless Falicov-Kimball model: Second-order truncated expansion inU. <i>Physical Review B</i> , 2007, 75, .	1.1	19
103	Dynamical mean-field theory for light-fermionâ€™heavy-boson mixtures on optical lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	18
104	Amplitude mode oscillations in pump-probe photoemission spectra from a d -wave superconductor. <i>Physical Review B</i> , 2017, 96, .	1.1	18
105	Exact solutions of frustrated ordinary and chiral eight-site Hubbard models. <i>Physical Review B</i> , 1991, 44, 1458-1474.	1.1	17
106	Weak-coupling expansions for the attractive Holstein and Hubbard models. <i>Physical Review B</i> , 1994, 49, 6368-6371.	1.1	17
107	Strong-coupling expansions for the anharmonic Holstein model and for the Holstein-Hubbard model. <i>Physical Review B</i> , 1996, 54, 9372-9384.	1.1	17
108	Vertex-corrected tunneling inversion in electron-phonon mediated superconductors: Pb. <i>Physical Review B</i> , 1997, 55, 11651-11658.	1.1	17

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109	Nonconstant electronic density of states tunneling inversion for A15 superconductors:Nb3Sn. Physical Review B, 2002, 65, .	1.1	17
110	OPTIMIZING THE SPEED OF A JOSEPHSON JUNCTION WITH DYNAMICAL MEAN FIELD THEORY. International Journal of Modern Physics B, 2002, 16, 531-561.	1.0	17
111	Gauge invariance in the theoretical description of time-resolved angle-resolved pump/probe photoemission spectroscopy. Physica Scripta, 2015, T165, 014012.	1.2	17
112	Phase separation in the binary-alloy problem: The one-dimensional spinless Falicov-Kimball model. Physical Review B, 1996, 53, 16189-16196.	1.1	16
113	Inelastic X-Ray Scattering in Correlated Mott Insulators. Physical Review Letters, 2003, 90, 067402.	2.9	16
114	F-electron spectral function of the Falicov-Kimball model in infinite dimensions: The half-filled case. Physical Review B, 2005, 71, .	1.1	16
115	Optical Sum Rules that Relate to the Potential Energy of Strongly Correlated Systems. Physical Review Letters, 2005, 94, 216401.	2.9	16
116	Electronic charge reconstruction of doped Mott insulators in multilayered nanostructures. Physical Review B, 2007, 75, .	1.1	16
117	Strongly Enhanced Thermal Transport in a Lightly Doped Mott Insulator at Low Temperature. Physical Review Letters, 2012, 109, 266601.	2.9	16
118	Thermodynamic model of the insulator-metal transition in nickel iodide. Physical Review B, 1992, 45, 1896-1899.	1.1	15
119	Approximate scaling relation for the anharmonic electron-phonon problem. Physical Review B, 2000, 61, R838-R841.	1.1	15
120	Superconductor-correlated metal-superconductor Josephson junctions: An optimized class for high speed digital electronics. IEEE Transactions on Applied Superconductivity, 2003, 13, 1089-1092.	1.1	15
121	Resonant Enhancement of Inelastic Light Scattering in Strongly Correlated Materials. Physical Review Letters, 2004, 93, 137402.	2.9	15
122	Thermalization of field driven quantum systems. Scientific Reports, 2015, 4, 4699.	1.6	15
123	Long-lived nonequilibrium states in the Hubbard model with an electric field. Physical Review B, 2015, 91, .	1.1	15
124	Intrinsic reduction of Josephson critical current in short ballistic SNS weak links. Physical Review B, 2001, 64, .	1.1	14
125	Momentum distribution of the insulating phases of the extended Bose-Hubbard model. Physical Review A, 2009, 80, .	1.0	14
126	Test of the unitary coupled-cluster variational quantum eigensolver for a simple strongly correlated condensed-matter system. Modern Physics Letters B, 2020, 34, 2040049.	1.0	14

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127	Local approximation to the spinless Falicov-Kimball model. <i>Physical Review B</i> , 1993, 48, 14797-14800.	1.1	13
128	Effect of Particle-Hole Asymmetry on the Mott-Hubbard Metal-Insulator Transition. <i>Physical Review Letters</i> , 2004, 92, 216401.	2.9	13
129	Emergence of Floquet behavior for lattice fermions driven by light pulses. <i>Physical Review B</i> , 2018, 98, .	1.1	13
130	Positivity of the Spectral Densities of Retarded Floquet Green Functions. <i>Physical Review Letters</i> , 2019, 122, 130604.	2.9	13
131	Minimal effective Gibbs ansatz: A simple protocol for extracting an accurate thermal representation for quantum simulation. <i>Physical Review A</i> , 2020, 102, .	1.0	13
132	Competition between Phase Separation and "Classical" Intermediate Valence in an Exactly Solved Model. <i>Physical Review Letters</i> , 2000, 84, 2461-2464.	2.9	12
133	Inhomogeneous spectral moment sum rules for the retarded Green function and self-energy of strongly correlated electrons or ultracold fermionic atoms in optical lattices. <i>Physical Review B</i> , 2009, 80, .	1.1	12
134	Many-body effects on the capacitance of multilayers made from strongly correlated materials. <i>Physical Review B</i> , 2012, 85, .	1.1	12
135	Exact solution for Bloch oscillations of a simple charge-density-wave insulator. <i>Physical Review B</i> , 2014, 89, .	1.1	12
136	Nonequilibrium electron dynamics in pump-probe spectroscopy: Role of excited phonon populations. <i>Physical Review B</i> , 2018, 98, .	1.1	12
137	A completely algebraic solution of the simple harmonic oscillator. <i>American Journal of Physics</i> , 2020, 88, 976-985.	0.3	12
138	Determining quantum phase diagrams of topological Kitaev-inspired models on NISQ quantum hardware. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 553.	0.0	12
139	Reevaluating electron-phonon coupling strengths: Indium as a test case for ab initio and many-body theory methods. <i>Physical Review B</i> , 1998, 58, 14511-14517.	1.1	11
140	Vertex-corrected perturbation theory for the electron-phonon problem with nonconstant density of states. <i>Physical Review B</i> , 1998, 58, 11613-11623.	1.1	11
141	Higher period ordered phases on the Bethe lattice. <i>Physical Review B</i> , 2001, 63, .	1.1	11
142	Enhancement of thermal transport in the degenerate periodic Anderson model. <i>Physical Review B</i> , 2008, 78, .	1.1	11
143	Resonant inelastic x-ray scattering in a Mott insulator. <i>Physical Review B</i> , 2012, 86, .	1.1	11
144	Time-domain pumping a quantum-critical charge density wave ordered material. <i>Physical Review B</i> , 2016, 94, .	1.1	11

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145	Nonperturbative calculation of phonon effects on spin squeezing. <i>Physical Review A</i> , 2016, 93, .	1.0	11
146	Bang-bang shortcut to adiabaticity in trapped-ion quantum simulators. <i>Physical Review A</i> , 2018, 97, .	1.0	11
147	Equivalence of the Falicov-Kimball and Brandt-Mielsch forms for the free energy of the infinite-dimensional Falicov-Kimball model. <i>Physical Review B</i> , 2003, 67, .	1.1	10
148	Inelastic x-ray scattering as a probe of electronic correlations. <i>Physical Review B</i> , 2003, 68, .	1.1	10
149	Crossover from tunneling to incoherent (bulk) transport in a correlated nanostructure. <i>Applied Physics Letters</i> , 2004, 84, 1383-1385.	1.5	10
150	Relationship between Population Dynamics and the Self-Energy in Driven Non-Equilibrium Systems. <i>Entropy</i> , 2016, 18, 180.	1.1	10
151	NON-RESONANT RAMAN SCATTERING THROUGH A METAL-INSULATOR TRANSITION: AN EXACT ANALYSIS OF THE FALICOV-KIMBALL MODEL. <i>Condensed Matter Physics</i> , 2001, 4, 149.	0.3	10
152	Vertex corrections to the theory of superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2379-2380.	0.6	9
153	Quasiuniversal Transient Behavior of a Nonequilibrium Mott Insulator Driven by an Electric Field. <i>Physical Review Letters</i> , 2012, 109, 260402.	2.9	9
154	Diabatic-ramping spectroscopy of many-body excited states. <i>Physical Review A</i> , 2014, 90, .	1.0	9
155	Theoretical description of coherent doublon creation via lattice modulation spectroscopy. <i>Physical Review A</i> , 2014, 89, .	1.0	9
156	Theoretical description of pump/probe experiments in electron-mediated charge-density-wave insulators. <i>Physica Scripta</i> , 2017, 92, 034007.	1.2	9
157	Heavy-fermion systems in magnetic fields: The metamagnetic transition. <i>Physical Review B</i> , 1992, 46, 874-879.	1.1	8
158	Gap ratio in anharmonic charge-density-wave systems. <i>Physical Review B</i> , 2001, 64, .	1.1	8
159	Application of the multicomponent Falicov-Kimball model to intermediate-valence materials: YbInCu_4 and $\text{EuNi}_2(\text{Si}_{1-x}\text{Ge}_x)_2$. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 236, 265-271.	0.7	7
160	Constant Matrix Element Approximation to Time-Resolved Angle-Resolved Photoemission Spectroscopy. <i>Photonics</i> , 2016, 3, 58.	0.9	7
161	Nonequilibrium dynamical mean-field theory of strongly correlated electrons. , 2007, , 187-210.		7
162	Hidden symmetries of finite-size clusters with periodic boundary conditions. <i>Physical Review B</i> , 1991, 44, 2895-2904.	1.1	6

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163	Suppression of the "Quasiclassical" Proximity Gap in Correlated-Metal Superconductor Structures. <i>Physical Review Letters</i> , 2002, 88, 077002.	2.9	6
164	Thermoelectricity of intermetallics. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 661-662.	1.3	6
165	Enhancement of thermoelectric performance in strongly correlated multilayered nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 2351-2356.	0.7	6
166	Effect of defects on phonons and the effective spin-spin interactions of an ultracold Penning-trap quantum simulator. <i>Physical Review A</i> , 2013, 88, .	1.0	6
167	The nonequilibrium quantum many-body problem as a paradigm for extreme data science. <i>International Journal of Modern Physics B</i> , 2014, 28, 1430021.	1.0	6
168	Robust finite-temperature disordered Mott-insulating phases in inhomogeneous Fermi-Fermi mixtures with density and mass imbalance. <i>Physical Review A</i> , 2015, 91, .	1.0	6
169	Relationship between the transverse-field Ising model and the XY model via the rotating-wave approximation. <i>Physical Review A</i> , 2018, 97, .	1.0	6
170	Stroboscopic Tests for Thermalization of Electrons in Pump-Probe Experiments. <i>Physical Review Letters</i> , 2019, 122, 247402.	2.9	6
171	What do the two times in two-time correlation functions mean for interpreting tr-ARPES?. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 251, 147104.	0.8	6
172	Effect of vertex corrections on longitudinal transport through multilayered nanostructures: Dynamical mean-field theory approach applied to the inhomogeneous Falicov-Kimball model. <i>Physical Review B</i> , 2011, 83, .	1.1	5
173	Momentum distribution and ordering in mixtures of ultracold light- and heavy-fermion atoms. <i>Physical Review A</i> , 2011, 83, .	1.0	5
174	Pulsed high harmonic generation of light due to pumped Bloch oscillations in noninteracting metals. <i>Physica Scripta</i> , 2012, T151, 014062.	1.2	5
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