

Holger Fehske

List of Publications by Year in descending order

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192
papers

4,689
citations

117625

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62
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194
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194
docs citations

194
times ranked

3229
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonequilibrium dynamics in pumped Mott insulators. <i>Physical Review Research</i> , 2022, 4, .	3.6	10
2	Scrutinizing the Debye plasma model: Rydberg excitons unravel the properties of low-density plasmas in semiconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	4
3	Invariant embedding approach to secondary electron emission from metals. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	4
4	Charge kinetics across a negatively biased semiconducting plasma-solid interface. <i>Physical Review E</i> , 2022, 105, 045202.	2.1	0
5	Photoinduced metallization of excitonic insulators. <i>Physical Review B</i> , 2022, 105, .	3.2	4
6	A domain-specific language and matrix-free stencil code for investigating electronic properties of Dirac and topological materials. <i>International Journal of High Performance Computing Applications</i> , 2021, 35, 60-77.	3.7	2
7	Controlling the direction of topological transport in a non-Hermitian time-reversal symmetric Floquet ladder. <i>APL Photonics</i> , 2021, 6, 010801.	5.7	3
8	Finite-temperature photoemission in the extended Falicov-Kimball model: a case study for Ta_2NiSe_5 . <i>SciPost Physics</i> , 2021, 10, .	4.9	9
9	Valley filtering in strain-induced $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\text{}} \langle \text{mml:mtext} \rangle \langle \text{mml:msub mathvariant="script"} \rangle \text{T} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ quantum dots. <i>Physical Review B</i> , 2021, 103, .	3.2	12
10	Quantum criticality in dimerised anisotropic spin-1 chains. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1009-1012.	2.6	2
11	Generation of Current Vortex by Spin Current in Rashba Systems. <i>Physical Review Letters</i> , 2021, 126, 157202.	7.8	3
12	Quantum many-body effects on Rydberg excitons in cuprous oxide. <i>European Physical Journal: Special Topics</i> , 2021, 230, 947-950.	2.6	6
13	Spin-charge conversion and current vortex in spin-orbit coupled systems. <i>APL Materials</i> , 2021, 9, .	5.1	3
14	Infrared spectroscopy of surface charges in plasma-facing dielectrics. <i>Physical Review E</i> , 2021, 104, 015204.	2.1	1
15	Charge measurement of SiO_2 nanoparticles in an rf plasma by ir absorption. <i>Physical Review E</i> , 2021, 104, 045208.	2.1	5
16	Immutable quantized transport in Floquet chains. <i>Physical Review A</i> , 2021, 104, .	2.5	0
17	Electron microphysics at plasma-solid interfaces. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	9
18	Kinetic modeling of the electric double layer at a dielectric plasma-solid interface. <i>Physical Review E</i> , 2020, 102, 023206.	2.1	6

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19	Cutting off the non-Hermitian boundary from an anomalous Floquet topological insulator. Europhysics Letters, 2020, 131, 30007.	2.0	4
20	Electronic properties of $\hat{I} \pm \hat{\sigma}^z$ quantum dots in magnetic fields. European Physical Journal B, 2020, 93, 1.	1.5	3
21	Block-Lanczos Density-Matrix Renormalization-Group Approach to Spin Transport in Heisenberg Chains Coupled to Leads. Journal of the Physical Society of Japan, 2020, 89, 044601.	1.6	3
22	Fermionic time-reversal symmetry in a photonic topological insulator. Nature Materials, 2020, 19, 855-860.	27.5	33
23	Topological origin of quantized transport in non-Hermitian Floquet chains. Physical Review Research, 2020, 2, .	3.6	26
24	Photoinduced $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi}> \hat{I} \langle \text{mml:mi}> \langle \text{mml:math}> $ -pairing at finite temperatures. Physical Review Research, 2020, 2, .	3.6	13
25	Resonant scattering of Dirac quasiparticles on oscillating quantum dots. European Physical Journal B, 2020, 93, 1.	1.5	2
26	A Recursive Algebraic Coloring Technique for Hardware-efficient Symmetric Sparse Matrix-vector Multiplication. ACM Transactions on Parallel Computing, 2020, 7, 1-37.	1.4	65
27	Photoinduced $\langle \text{i}> \hat{I} \langle \text{i}> $ -pairing in One-dimensional Mott Insulators. , 2020, , .		7
28	Real and imaginary edge states in stacked Floquet honeycomb lattices. European Physical Journal B, 2020, 93, 1.	1.5	0
29	ESSEX: Equipping Sparse Solvers For Exascale. Lecture Notes in Computational Science and Engineering, 2020, , 143-187.	0.3	1
30	Benefits from using mixed precision computations in the ELPA-AEO and ESSEX-II eigensolver projects. Japan Journal of Industrial and Applied Mathematics, 2019, 36, 699-717.	0.9	10
31	Non-Hermitian Boundary State Engineering in Anomalous Floquet Topological Insulators. Physical Review Letters, 2019, 123, 190403.	7.8	37
32	Influence of electron-hole plasma on Rydberg excitons in cuprous oxide. Physical Review B, 2019, 100, .	3.2	13
33	Dynamic response of spin-2 bosons in one-dimensional optical lattices. Physical Review A, 2019, 100, .	2.5	0
34	Electron energy loss spectroscopy of wall charges in plasma-facing dielectrics. Plasma Sources Science and Technology, 2019, 28, 095024.	3.1	1
35	Quantum phase transitions in the dimerized extended Bose-Hubbard model. Physical Review A, 2019, 99, .	2.5	10
36	Universal driving protocol for symmetry-protected Floquet topological phases. Physical Review B, 2019, 99, .	3.2	16

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37	Towards an integrated modeling of the plasma-solid interface. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 201-237.	4.4	34
38	Time-periodic Klein tunneling through optomechanical Dirac barriers. <i>European Physical Journal: Special Topics</i> , 2019, 227, 1995-2000.	2.6	2
39	Driving XXZ spin chains: Magnetic-field and boundary effects. <i>Europhysics Letters</i> , 2019, 125, 17001.	2.0	4
40	Finite-temperature dynamic structure factor of the spin-1 XXZ chain with single-ion anisotropy. <i>Physical Review B</i> , 2018, 97, .	3.2	14
41	Transport and Quantum Coherence in Graphene Rings: Aharonovâ€“Bohm Oscillations, Klein Tunneling, and Particle Localization. <i>Journal of Low Temperature Physics</i> , 2018, 191, 259-271.	1.4	2
42	Topological invariants for Floquet-Bloch systems with chiral, time-reversal, or particle-hole symmetry. <i>Physical Review B</i> , 2018, 97, .	3.2	20
43	Critical behavior of the extended Hubbard model with bond dimerization. <i>Physica B: Condensed Matter</i> , 2018, 536, 474-478.	2.7	3
44	Measuring the plasma-wall charge by infrared spectroscopy. <i>Europhysics Letters</i> , 2018, 124, 25001.	2.0	4
45	Floquet scattering of light and sound in Dirac optomechanics. <i>Physical Review A</i> , 2018, 98, .	2.5	7
46	Chebyshev Filter Diagonalization on Modern Manycore Processors and GPGPUs. <i>Lecture Notes in Computer Science</i> , 2018, , 329-349.	1.3	10
47	Ion-induced secondary electron emission from metal surfaces. <i>Plasma Sources Science and Technology</i> , 2018, 27, 084003.	3.1	14
48	The Transregional Collaborative Research Centre â€œFundamentals of Complex Plasmasâ€“(Greifswald â€“) Tj ETQq0 0 0 rgBT /Overlock	1.3	1
49	Spin transport through a spin- $\frac{1}{2}$ XXZ chain contacted to fermionic leads. <i>Physical Review B</i> , 2018, 97, .	3.2	14
50	Exotic criticality in the dimerized spin-1 XXZ chain with single-ion anisotropy. , 2018, 5, .		9
51	Detecting the Berry curvature in photonic graphene. <i>Fortschritte Der Physik</i> , 2017, 65, 1600021.	4.4	0
52	Theory of zeroâ€“phonon decay luminescence of semiconductor excitons. <i>Fortschritte Der Physik</i> , 2017, 65, 1600068.	4.4	1
53	GHOST: Building Blocks for High Performance Sparse Linear Algebra on Heterogeneous Systems. <i>International Journal of Parallel Programming</i> , 2017, 45, 1046-1072.	1.5	22
54	Efficient computation of the W topological invariant and application to Floquetâ€“Bloch systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 295301.	2.1	13

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55	Anyonic Haldane Insulator in One Dimension. <i>Physical Review Letters</i> , 2017, 118, 120401.	7.8	18
56	Generation, dynamical buildup and detection of bi- and multipartite entangled states in cavity systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 224002.	1.5	2
57	Heating and thermoelectric transport in a molecular junction. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	2
58	Kinetic modeling of the electronic response of a dielectric plasma-facing solid. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 294003.	2.8	16
59	Microscopic theory of electron absorption by plasma-facing surfaces. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014011.	2.1	14
60	Multicomponent exciton gas in cuprous oxide: cooling behaviour and the role of Auger decay. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 204001.	1.5	6
61	Light-sound interconversion in optomechanical Dirac materials. <i>Scientific Reports</i> , 2017, 7, 9811.	3.3	4
62	Symmetry-breaking oscillations in membrane optomechanics. <i>Physical Review A</i> , 2016, 94, .	2.5	15
63	Optomechanical multistability in the quantum regime. <i>Europhysics Letters</i> , 2016, 113, 64002.	2.0	10
64	High-performance implementation of Chebyshev filter diagonalization for interior eigenvalue computations. <i>Journal of Computational Physics</i> , 2016, 325, 226-243.	3.8	28
65	Performance Engineering and Energy Efficiency of Building Blocks for Large, Sparse Eigenvalue Computations on Heterogeneous Supercomputers. <i>Lecture Notes in Computational Science and Engineering</i> , 2016, , 317-338.	0.3	5
66	Topological insulators in random potentials. <i>Physical Review B</i> , 2016, 93, .	3.2	10
67	Ising tricriticality in the extended Hubbard model with bond dimerization. <i>Physical Review B</i> , 2016, 93, .	3.2	13
68	Competition between excitonic charge and spin density waves: Influence of electron-phonon and Hund's rule couplings. <i>Physical Review B</i> , 2015, 92, .	3.2	38
69	Absorption of an Electron by a Dielectric Wall. <i>Physical Review Letters</i> , 2015, 115, 225001.	7.8	30
70	Electron confinement in graphene with gate-defined quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1868-1871.	1.5	18
71	Increasing the Performance of the Jacobi–Davidson Method by Blocking. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, C697-C722.	2.8	20
72	Route to Chaos in Optomechanics. <i>Physical Review Letters</i> , 2015, 114, 013601.	7.8	104

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73	Scattering of two-dimensional Dirac fermions on gate-defined oscillating quantum dots. Physical Review B, 2015, 91, .	3.2	26
74	Performance Engineering of the Kernel Polynomial Method on Large-Scale CPU-GPU Systems. , 2015, , .		11
75	Comparative density-matrix renormalization group study of symmetry-protected topological phases in spin-1 chain and Bose-Hubbard models. Physical Review B, 2015, 91, .	3.2	29
76	Electron Flow in Circular Graphene Quantum Dots. Quantum Matter, 2015, 4, 346-351.	0.2	21
77	Excitonic BCS-BEC Crossover in Double-Layer Systems. , 2014, , .		1
78	Dot-bound and dispersive states in graphene quantum dot superlattices. Physical Review B, 2014, 89, .	3.2	16
79	A Unified Sparse Matrix Data Format for Efficient General Sparse Matrix-Vector Multiplication on Modern Processors with Wide SIMD Units. SIAM Journal of Scientific Computing, 2014, 36, C401-C423.	2.8	160
80	Thermoelectric effects in molecular quantum dots with contacts. Physical Review B, 2014, 89, .	3.2	21
81	Improving robustness of the FEAST algorithm and solving eigenvalue problems from graphene nanoribbons. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 821-822.	0.2	7
82	ESSEX: Equipping Sparse Solvers for Exascale. Lecture Notes in Computer Science, 2014, , 577-588.	1.3	6
83	Effects of disorder and contacts on transport through graphene nanoribbons. Physical Review B, 2013, 88, .	3.2	13
84	Anderson localization versus charge-density-wave formation in disordered electron systems. Physical Review B, 2013, 87, .	3.2	4
85	Nonequilibrium quantum fluctuation relations for harmonic systems in nonthermal environments. New Journal of Physics, 2013, 15, 105008.	2.9	6
86	Mie scattering analog in graphene: Lensing, particle confinement, and depletion of Klein tunneling. Physical Review B, 2013, 87, .	3.2	68
87	Optical signatures of the charge of a dielectric particle in a plasma. Physical Review E, 2013, 88, 023109.	2.1	29
88	Electron dynamics in graphene with gate-defined quantum dots. Europhysics Letters, 2013, 104, 47010.	2.0	20
89	Phonon-affected steady-state transport through molecular quantum dots. Physica Scripta, 2012, T151, 014039.	2.5	9
90	Condensation of excitons in Cu ₂ O at ultracold temperatures: experiment and theory. New Journal of Physics, 2012, 14, 105007.	2.9	40

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91	Numerical time propagation of quantum systems in radiation fields. <i>New Journal of Physics</i> , 2012, 14, 105008.	2.9	23
92	Metal-to-Insulator Transition and Electron-Hole Puddle Formation in Disordered Graphene Nanoribbons. <i>Physical Review Letters</i> , 2012, 108, 066402.	7.8	29
93	Mie Scattering by a Charged Dielectric Particle. <i>Physical Review Letters</i> , 2012, 109, 243903.	7.8	54
94	Effect of Electron-Phonon Interaction Range for a Half-Filled Band in One Dimension. <i>Physical Review Letters</i> , 2012, 109, 116407.	7.8	28
95	Fate of topological-insulator surface states under strong disorder. <i>Physical Review B</i> , 2012, 85, .	3.2	67
96	Wall Charge and Potential from a Microscopic Point of View. <i>Contributions To Plasma Physics</i> , 2012, 52, 856-863.	1.1	27
97	Plasma Sheath Structures in Complex Electrode Geometries. <i>Contributions To Plasma Physics</i> , 2012, 52, 827-835.	1.1	10
98	Phase Diagram of Bilayer Electron-Hole Plasmas. <i>Contributions To Plasma Physics</i> , 2012, 52, 819-826.	1.1	30
99	Resonant charge transfer at dielectric surfaces. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	30
100	Electron surface layer at the interface of a plasma and a dielectric wall. <i>Physical Review B</i> , 2012, 85, .	3.2	49
101	Proton Crystallization in a Dense Hydrogen Plasma. <i>Contributions To Plasma Physics</i> , 2012, 52, 224-228.	1.1	9
102	Nonequilibrium transport through molecular junctions in the quantum regime. <i>Physical Review B</i> , 2011, 84, .	3.2	26
103	Excitonic resonances in the 2D extended Falicov-Kimball model. <i>Europhysics Letters</i> , 2011, 95, 17006.	2.0	30
104	Plasma Walls Beyond the Perfect Absorber Approximation for Electrons. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 644-651.	1.3	11
105	High-order commutator-free exponential time-propagation of driven quantum systems. <i>Journal of Computational Physics</i> , 2011, 230, 5930-5956.	3.8	82
106	Physisorption of an electron in deep surface potentials off a dielectric surface. <i>Physical Review B</i> , 2011, 83, .	3.2	22
107	Parallel Sparse Matrix-Vector Multiplication as a Test Case for Hybrid MPI+OpenMP Programming. , 2011, , .		7
108	Dynamic properties of the one-dimensional Bose-Hubbard model. <i>Europhysics Letters</i> , 2011, 93, 30002.	2.0	79

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109	HYBRID-PARALLEL SPARSE MATRIX-VECTOR MULTIPLICATION WITH EXPLICIT COMMUNICATION OVERLAP ON CURRENT MULTICORE-BASED SYSTEMS. <i>Parallel Processing Letters</i> , 2011, 21, 339-358.	0.6	23
110	Comment on "Anderson transition in disordered graphene" by Amini M. et al.. <i>Europhysics Letters</i> , 2010, 90, 17002.	2.0	11
111	A Green's function decoupling scheme for the Edwards fermion-boson model. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 435601.	1.8	5
112	Non-equilibrium current and electron pumping in nanostructures. <i>Journal of Physics: Conference Series</i> , 2010, 200, 012005.	0.4	1
113	Distribution of the local density of states as a criterion for Anderson localization: Numerically exact results for various lattices in two and three dimensions. <i>Physical Review B</i> , 2010, 81, .	3.2	59
114	Luttinger parameters and momentum distribution function for the half-filled spinless fermion Holstein model: A DMRG approach. <i>Europhysics Letters</i> , 2009, 87, 27001.	2.0	30
115	Quantum Phase Transition in a 1D Transport Model with Boson-Affected Hopping: Luttinger Liquid versus Charge-Density-Wave Behavior. <i>Physical Review Letters</i> , 2009, 102, 106404.	7.8	19
116	COMPARATIVE STUDY OF SEMICLASSICAL APPROACHES TO QUANTUM DYNAMICS. <i>International Journal of Modern Physics C</i> , 2009, 20, 1155-1186.	1.7	5
117	Phonon affected transport through molecular quantum dots. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 395601.	1.8	19
118	Structures of quantum 2D electron-hole plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 214014.	2.1	1
119	Numerical approaches to time evolution of complex quantum systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2182-2188.	2.1	43
120	Anderson disorder in graphene nanoribbons: A local distribution approach. <i>Physical Review B</i> , 2009, 79, .	3.2	33
121	Sparse Polynomial Space Approach to Dissipative Quantum Systems: Application to the Sub-Ohmic Spin-Boson Model. <i>Physical Review Letters</i> , 2009, 102, 150601.	7.8	88
122	On the possibility of excitonic phases at the semiconductor-semimetal transition. <i>Superlattices and Microstructures</i> , 2008, 43, 512-517.	3.1	3
123	Boron doped graphene nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2077-2081.	1.5	15
124	Center-of-mass tomographic approach to quantum dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5064-5070.	2.1	4
125	Ordered structure formation in 2D mass asymmetric electron-hole plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5208-5214.	2.1	3
126	Exact Treatment of Exciton-Polaron Formation by Diagrammatic Monte Carlo Simulations. <i>Physical Review Letters</i> , 2008, 101, 116403.	7.8	16

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127	Functionalizing graphene by embedded boron clusters. <i>Nanotechnology</i> , 2008, 19, 335707.	2.6	19
128	Metallicity in the half-filled Holstein-Hubbard model. <i>Europhysics Letters</i> , 2008, 84, 57001.	2.0	74
129	Correlation-Induced Metal Insulator Transition in a Two-Channel Fermion-Boson Model. <i>Physical Review Letters</i> , 2008, 101, 136402.	7.8	13
130	Localized polarons and doorway vibrons in finite quantum structures. <i>Physical Review B</i> , 2008, 77, .	3.2	17
131	Surface States and the Charge of a Dust Particle in a Plasma. <i>Physical Review Letters</i> , 2008, 101, 175002.	7.8	38
132	Optical conductivity of polaronic charge carriers. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 236233.	1.8	14
133	Carrier-density effects in many-polaron systems. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 255202.	1.8	3
134	Lattice exciton-polaron problem by quantum Monte Carlo simulations. <i>Physical Review B</i> , 2007, 76, .	3.2	5
135	Radio-frequency discharges in oxygen: I. Particle-based modelling. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6583-6592.	2.8	69
136	Bipolaron formation in 1D $\hat{=}$ 3D quantum dots: a lattice quantum Monte Carlo approach. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 255210.	1.8	7
137	The spin-Peierls chain revisited. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1380-1382.	2.3	5
138	Coulomb crystal and quantum melting in electron $\hat{=}$ hole plasmas of semiconductors under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 474-479.	1.5	6
139	The kernel polynomial method. <i>Reviews of Modern Physics</i> , 2006, 78, 275-306.	45.6	756
140	Hole-doped Hubbard ladders. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 319-320.	2.7	2
141	Phonon spectral function of the Holstein polaron. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 7299-7312.	1.8	19
142	Spectral functions of the spinless Holstein model. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 2453-2472.	1.8	16
143	Crystallization in Two-Component Coulomb Systems. <i>Physical Review Letters</i> , 2005, 95, 235006.	7.8	88
144	Stripe formation in doped Hubbard ladders. <i>Physical Review B</i> , 2005, 71, .	3.2	62

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145	Electron transport in the Anderson model. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 63-66.	0.8	2
146	Magnon softening and damping in the ferromagnetic manganites due to orbital correlations. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 458-459.	2.3	7
147	Parallelization strategies for density matrix renormalization group algorithms on shared-memory systems. <i>Journal of Computational Physics</i> , 2004, 194, 795-808.	3.8	37
148	Microscopic modelling of doped manganites. <i>New Journal of Physics</i> , 2004, 6, 158-158.	2.9	48
149	Quantum to classical crossover in the 2D easy-plane XXZ model. <i>Brazilian Journal of Physics</i> , 2000, 30, 720.	1.4	3
150	Optimized phonon approach for the diagonalization of electron-phonon problems. <i>Physical Review B</i> , 2000, 62, R747-R750.	3.2	59
151	Spin-correlation functions and susceptibilities in the easy-plane XXZ chain. <i>Physical Review B</i> , 2000, 62, 12141-12145.	3.2	9
152	Lattice polaron formation: Effects of nonscreened electron-phonon interaction. <i>Physical Review B</i> , 2000, 61, 8016-8025.	3.2	81
153	Quantum lattice fluctuations in a frustrated Heisenberg spin-Peierls chain. <i>Physical Review B</i> , 1999, 60, 6566-6573.	3.2	35
154	Magnetic order-disorder transition in the two-dimensional spatially anisotropic Heisenberg model at zero temperature. <i>Physical Review B</i> , 1999, 60, 9240-9243.	3.2	24
155	Pairing Susceptibility of Strongly Correlated Electrons Weakly Coupled to the Lattice. <i>Journal of Superconductivity and Novel Magnetism</i> , 1999, 12, 65-67.	0.5	0
156	Self-trapping problem of electrons or excitons in one dimension. <i>Physical Review B</i> , 1998, 58, 6208-6218.	3.2	91
157	Peierls instability and optical response in the one-dimensional half-filled Holstein model of spinless fermions. <i>Physical Review B</i> , 1998, 58, 13526-13533.	3.2	44
158	Optical absorption and single-particle excitations in the two-dimensional Holstein model. <i>Physical Review B</i> , 1998, 58, 3663-3676.	3.2	74
159	Peierls Dimerization with Nonadiabatic Spin-Phonon Coupling. <i>Physical Review Letters</i> , 1998, 81, 3956-3959.	7.8	58
160	Effective one-band electron-phonon Hamiltonian for nickel perovskites. <i>Physical Review B</i> , 1997, 56, 3544-3547.	3.2	2
161	Theory of Magnetic Short-Range Order for Itinerant Electron Systems. <i>International Journal of Modern Physics B</i> , 1997, 11, 1337-1361.	2.0	3
162	Polaron band formation in the Holstein model. <i>Physical Review B</i> , 1997, 56, 4513-4517.	3.2	128

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163	Polarons and bipolarons in strongly interacting electron-phonon systems. <i>Physical Review B</i> , 1996, 53, 9666-9675.	3.2	143
164	Interplay of charge and spin correlations in nickel perovskites. <i>European Physical Journal D</i> , 1996, 46, 1879-1880.	0.4	2
165	Theory of short-range magnetic order for the t-J model. <i>European Physical Journal D</i> , 1996, 46, 1881-1882.	0.4	0
166	Spin susceptibility and magnetic short-range order in the Hubbard model. <i>Physical Review B</i> , 1996, 54, 7614-7617.	3.2	7
167	Magnetism and transport in the t-t'-J model. <i>Journal of Low Temperature Physics</i> , 1995, 99, 425-427.	1.4	2
168	Hall resistivity of hole- and electron-doped high-Tc cuprates. <i>Solid State Communications</i> , 1995, 93, 41-44.	1.9	6
169	Hole-polaron formation in the two-dimensional Holstein-Jmodel: A variational Lanczos study. <i>Physical Review B</i> , 1995, 51, 16582-16593.	3.2	87
170	Magnetic correlations and spin dynamics in the t-t'-J model. <i>Journal of Physics Condensed Matter</i> , 1995, 7, L245-L251.	1.8	0
171	Magnetic Phase Diagram and Transport Properties of the t-J Model: A Spin-Rotation-Invariant Slave-Boson Approach. <i>Europhysics Letters</i> , 1994, 26, 109-115.	2.0	7
172	The Ordering of Polarons in the Holstein-t-J Model: An Application to La _{2-x} Sr _x NiO _{4+y} . <i>Europhysics Letters</i> , 1994, 28, 257-262.	2.0	20
173	Slave-boson study of the t-t'-Jmodel: Phase diagram, spin susceptibility, and Hall resistivity. <i>Physical Review B</i> , 1994, 50, 17874-17880.	3.2	9
174	The phase diagram of the 2D Holstein-t-J model near half filling. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3565-3572.	1.8	12
175	Exact diagonalization study of the two-dimensional t-Jmodel with adiabatic Holstein phonons: Single-hole case. <i>Physical Review B</i> , 1993, 47, 12420-12425.	3.2	20
176	Exact-diagonalization study of the t-Jmodel in the low-density limit: Implications for phase separation. <i>Physical Review B</i> , 1993, 48, 9106-9109.	3.2	10
177	Thermodynamics of the two-dimensional t-Jmodel. <i>Physical Review B</i> , 1992, 45, 13092-13095.	3.2	4
178	Two-dimensional Peierls-Hubbard model within the slave-boson approach. <i>Physical Review B</i> , 1992, 46, 3713-3720.	3.2	13
179	Hole dynamics in a strongly correlated two-dimensional spin background. <i>Physical Review B</i> , 1991, 44, 8473-8485.	3.2	43
180	Holes in a two-dimensional Hubbard antiferromagnet. <i>Physical Review B</i> , 1991, 43, 6284-6287.	3.2	10

#	ARTICLE	IF	CITATIONS
181	On the possibility of phase separation in the extended Hubbard model. Solid State Communications, 1990, 76, 1333-1336.	1.9	12
182	Fermi-surface geometry and pressure effects on the spin-fluctuation contributions to the specific heat: Anisotropic spin-fluctuation model for heavy-fermion UPt ₃ . Physical Review B, 1989, 39, 2106-2116.	3.2	5
183	On the T ₃ lnT Law in the Specific Heat of Spin-Fluctuation Compounds. Journal of the Physical Society of Japan, 1989, 58, 360-363.	1.6	0
184	Flatness in the wave-vector-dependent response function of metals with a corrugated cylindrical Fermi surface: consequences for the paramagnon mass enhancement. Journal of Physics F: Metal Physics, 1988, 18, 33-41.	1.6	2
185	On the coexistence of ferro- and antiferromagnetic spin fluctuations and their contributions to the specific heat. Journal of Physics C: Solid State Physics, 1988, 21, 4663-4668.	1.5	4
186	Effects of Fermi surface anisotropy and topology on the spin susceptibility of metals. Journal of Physics F: Metal Physics, 1987, 17, 2109-2121.	1.6	5
187	On a Simple Functional Moment Approach to Itinerant Magnetism – Application to Ni. Physica Status Solidi (B): Basic Research, 1985, 130, K121.	1.5	1
188	On the validity of the static approximation in the spin-fluctuation theory for itinerant electrons. Journal of Physics C: Solid State Physics, 1984, 17, 5031-5038.	1.5	2
189	Spin-Glass Behaviour in Disordered Hubbard Alloys. Physica Status Solidi (B): Basic Research, 1984, 123, 533-540.	1.5	0
190	Critical Study of the Static Functional Integral Method in the Hubbard Model. Physica Status Solidi (B): Basic Research, 1984, 126, 235-245.	1.5	0
191	Spin Fluctuations in Alloys with Random Transfer. Physica Status Solidi (B): Basic Research, 1983, 120, 611-620.	1.5	3
192	CPA Study of the Electrical Conductivity for Various Percolation Models. Physica Status Solidi (B): Basic Research, 1982, 109, 551-561.	1.5	2