

# Ross McKenzie

## List of Publications by Year in descending order

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158  
papers

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158  
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times ranked

5302  
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#	ARTICLE	IF	CITATIONS
1	Multiple insulating states due to the interplay of strong correlations and lattice geometry in a single-orbital Hubbard model. <i>Physical Review B</i> , 2021, 103, .	3.2	6
2	Spin-0 Mott insulator to metal to spin-1 Mott insulator transition in the single-orbital Hubbard model on the decorated honeycomb lattice. <i>Physical Review B</i> , 2021, 104, .	3.2	6
3	Effect of hydrogen bonding on the infrared absorption intensity of OH stretch vibrations. <i>Chemical Physics</i> , 2017, 488-489, 43-54.	1.9	61
4	Nuclear Quantum Effects in Water and Aqueous Systems: Experiment, Theory, and Current Challenges. <i>Chemical Reviews</i> , 2016, 116, 7529-7550.	47.7	439
5	Spin-orbit coupling and odd-parity superconductivity in the quasi-one-dimensional compound $\text{LiO}_2$ . <i>Physical Review B</i> , 2016, 93, .	3.2	6
6	Shear viscosity of strongly interacting fermionic quantum fluids. <i>Physical Review B</i> , 2015, 92, .	3.2	7
7	Spin-triplet superconductivity in a weak-coupling Hubbard model for the quasi-one-dimensional compound $\text{LiO}_2$ . <i>Physical Review B</i> , 2015, 92, .	3.2	6
8	Holon-doublon binding as the mechanism for the Mott transition. <i>Physical Review B</i> , 2015, 92, .	3.2	11
9	Enhancement of the thermoelectric power by electronic correlations in bad metals: A study of the Kelvin formula. <i>Physical Review B</i> , 2015, 91, .	3.2	8
10	Isotopic fractionation in proteins as a measure of hydrogen bond length. <i>Journal of Chemical Physics</i> , 2015, 143, 044309.	3.0	5
11	Enhancement of thermal expansion of organic charge-transfer salts by strong electronic correlations. <i>Physical Review B</i> , 2015, 91, .	3.2	4
12	Valence-bond non-equilibrium solvation model for a twisting monomethine cyanine. <i>Journal of Chemical Physics</i> , 2015, 142, 084502.	3.0	3
13	Absence of a quantum limit to charge diffusion in bad metals. <i>Physical Review B</i> , 2015, 91, .	3.2	24
14	Bond angle variations in $\text{XH}_3$ [X = N, P, As, Sb, Bi]: the critical role of Rydberg orbitals exposed using a diabatic state model. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24618-24640.	2.8	23
15	A unified diabatic description for electron transfer reactions, isomerization reactions, proton transfer reactions, and aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24598-24617.	2.8	20
16	Non-adiabatic effects in thermochemistry, spectroscopy and kinetics: the general importance of all three Born-Oppenheimer breakdown corrections. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24641-24665.	2.8	43
17	Electron-vibration entanglement in the Born-Oppenheimer description of chemical reactions and spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24666-24682.	2.8	29
18	A diabatic state model for double proton transfer in hydrogen bonded complexes. <i>Journal of Chemical Physics</i> , 2014, 141, 104314.	3.0	13

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19	Effect of quantum nuclear motion on hydrogen bonding. <i>Journal of Chemical Physics</i> , 2014, 140, 174508.	3.0	84
20	Signatures of the Berry curvature in the frequency dependent interlayer magnetoresistance in tilted magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 085801.	1.8	2
21	Connecting Resources for Tertiary Chemical Education with Scientists and Students in Developing Countries. <i>Journal of Chemical Education</i> , 2013, 90, 1325-1332.	2.3	7
22	Quantum oscillations and Berry's phase in topological insulator surface states with broken particle-hole symmetry. <i>Physical Review B</i> , 2013, 87, .	3.2	81
23	Thermodynamics of a Bad Metal—Mott Insulator Transition in the Presence of Frustration. <i>Physical Review Letters</i> , 2013, 110, 206402.	7.8	42
24	A three-state effective Hamiltonian for symmetric cationic diarylmethanes. <i>Journal of Chemical Physics</i> , 2012, 136, 234313.	3.0	13
25	A two-state model of twisted intramolecular charge-transfer in monomethine dyes. <i>Journal of Chemical Physics</i> , 2012, 137, 164319.	3.0	17
26	Transport properties of the metallic state of overdoped cuprate superconductors from an anisotropic marginal Fermi liquid model. <i>Physical Review B</i> , 2012, 86, .	3.2	25
27	$\langle \mathbf{L} \rangle = 0.9 \langle \mathbf{M} \rangle$	3.2	21
28	A diabatic state model for donor-hydrogen vibrational frequency shifts in hydrogen bonded complexes. <i>Chemical Physics Letters</i> , 2012, 535, 196-200.	2.6	28
29	Quantum entanglement between a nonlinear nanomechanical resonator and a microwave field. <i>Physical Review E</i> , 2011, 83, 056202.	2.1	13
30	Consistent Description of the Metallic Phase of Overdoped Cuprate Superconductors as an Anisotropic Marginal Fermi Liquid. <i>Physical Review Letters</i> , 2011, 107, 147001.	7.8	14
31	Bond alternation, polarizability, and resonance detuning in methine dyes. <i>Journal of Chemical Physics</i> , 2011, 134, 114520.	3.0	26
32	Quantum frustration in organic Mott insulators: from spin liquids to unconventional superconductors. <i>Reports on Progress in Physics</i> , 2011, 74, 056501.	20.1	267
33	Charge distribution and transport properties in reduced ceria phases: A review. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1482-1494.	4.0	27
34	Quantum entanglement between electronic and vibrational degrees of freedom in molecules. <i>Journal of Chemical Physics</i> , 2011, 135, 244110.	3.0	56
35	Emergence, reductionism and the stratification of reality in science and theology. <i>Scottish Journal of Theology</i> , 2011, 64, 211-235.	0.0	2
36	A dark excited state of fluorescent protein chromophores, considered as Brooker dyes. <i>Chemical Physics Letters</i> , 2010, 492, 150-156.	2.6	17

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37	Thermal and electrical intralayer conductivities of underdoped cuprate superconductors from Fermi-pocket models. <i>Physical Review B</i> , 2010, 82, .	3.2	7
38	Jahn-Teller instability in dissipative quantum systems. <i>Physical Review A</i> , 2010, 81, .	2.5	23
39	Reply to "Comment on "Anisotropic scattering in angular-dependent magnetoresistance oscillations of quasi-two-dimensional and quasi-one-dimensional metals: Beyond the relaxation-time approximation" <i>Physical Review B</i> , 2010, 82, .	3.2	1
40	Fermi surface of underdoped cuprate superconductors from interlayer magnetoresistance: Closed pockets versus open arcs. <i>Physical Review B</i> , 2010, 82, .	3.2	1
41	Sensitivity of the photophysical properties of organometallic complexes to small chemical changes. <i>Journal of Chemical Physics</i> , 2010, 133, 124314.	3.0	12
42	Models of organometallic complexes for optoelectronic applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 10301.	6.7	29
43	The role of quantum effects in proton transfer reactions in enzymes: quantum tunneling in a noisy environment?. <i>New Journal of Physics</i> , 2010, 12, 055002.	2.9	46
44	Charge distribution near bulk oxygen vacancies in cerium oxides. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 223201.	1.8	57
45	Electronic and magnetic properties of the ionic Hubbard model on the striped triangular lattice at $\frac{1}{4}$ filling. <i>Physical Review B</i> , 2009, 80, .	3.2	7
46	Interlayer transverse magnetoresistance in the presence of an anisotropic pseudogap. <i>Physical Review B</i> , 2009, 80, .	3.2	3
47	Interplay of frustration, magnetism, charge ordering, and covalency in the ionic Hubbard model for $\text{Na}_{1-x}\text{Co}_x\text{O}_2$ . <i>Physical Review B</i> , 2009, 79, .	3.2	11
48	Spin fluctuations and the pseudogap in organic superconductors. <i>Physical Review B</i> , 2009, 80, .	3.2	18
49	Weak, strong, and coherent regimes of Fröhlich condensation and their applications to terahertz medicine and quantum consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4219-4224.	7.1	94
50	Vertex corrections and the Korringa ratio in strongly correlated electron materials. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 195601.	1.8	6
51	Ionic Hubbard model on a triangular lattice for $\text{Na}_{0.5}\text{CoO}_2$ , $\text{Rb}_{0.5}\text{CoO}_2$ , and $\text{K}_{0.5}\text{CoO}_2$ : Mean-field slave boson theory. <i>Physical Review B</i> , 2009, 80, .	3.2	8
52	Mixed valency in cerium oxide crystallographic phases: Valence of different cerium sites by the bond valence method. <i>Physical Review B</i> , 2009, 79, .	3.2	28
53	Penrose-Hameroff orchestrated objective-reduction proposal for human consciousness is not biologically feasible. <i>Physical Review E</i> , 2009, 80, 021912.	2.1	57
54	A diabatic three-state representation of photoisomerization in the green fluorescent protein chromophore. <i>Journal of Chemical Physics</i> , 2009, 130, 184302.	3.0	52

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55	Conical Intersections, charge localization, and photoisomerization pathway selection in a minimal model of a degenerate monomethine dye. <i>Journal of Chemical Physics</i> , 2009, 131, 234306.	3.0	21
56	Normal state anisotropic scattering in overdoped $Tl_2Ba_2CuO_{6+\delta}$ . <i>Physica B: Condensed Matter</i> , 2008, 403, 982-985.	2.7	3
57	Probing Fermi surface anisotropies in layered metals with AMRO. <i>Physica B: Condensed Matter</i> , 2008, 403, 1552-1554.	2.7	3
58	Quantum interference and weak localization effects in the interlayer magnetoresistance of layered metals. <i>Physical Review B</i> , 2008, 78, .	3.2	11
59	Quantum Dynamics of Electronic Excitations in Biomolecular Chromophores: Role of the Protein Environment and Solvent. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2162-2176.	2.5	66
60	Quasiparticles at the Verge of Localization near the Mott Metal-Insulator Transition in a Two-Dimensional Material. <i>Physical Review Letters</i> , 2008, 100, 086404.	7.8	69
61	Anisotropic scattering in angular-dependent magnetoresistance oscillations of quasi-two-dimensional and quasi-one-dimensional metals: Beyond the relaxation-time approximation. <i>Physical Review B</i> , 2008, 77, .	3.2	12
62	Apparent Violation of the Wiedemann-Franz Law near a Magnetic Field Tuned Metal-Antiferromagnetic Quantum Critical Point. <i>Physical Review Letters</i> , 2008, 101, 266403.	7.8	11
63	Antiferromagnetic spin fluctuations in the metallic phase of quasi-two-dimensional organic superconductors. <i>Physical Review B</i> , 2007, 75, .	3.2	17
64	Excitation spectra and ground state properties of the layered spin-1/2 frustrated antiferromagnets $Cs_2CuCl_4$ and $Cs_2CuBr_4$ . <i>Physical Review B</i> , 2007, 75, .	3.2	31
65	Symmetry of the Superconducting Order Parameter in Frustrated Systems Determined by the Spatial Anisotropy of Spin Correlations. <i>Physical Review Letters</i> , 2007, 98, 027005.	7.8	53
66	Sensitivity of the interlayer magnetoresistance of layered metals to intralayer anisotropies. <i>Physical Review B</i> , 2007, 76, .	3.2	32
67	Transition dipole strength of eumelanin. <i>Physical Review E</i> , 2007, 76, 021915.	2.1	21
68	Convergent Proton-Transfer Photocycles Violate Mirror-Image Symmetry in a Key Melanin Monomer. <i>Journal of the American Chemical Society</i> , 2007, 129, 6672-6673.	13.7	51
69	2D or not 2D?. <i>Nature Physics</i> , 2007, 3, 756-758.	16.7	5
70	Strong electronic correlations in superconducting organic charge transfer salts. <i>Journal of Physics Condensed Matter</i> , 2006, 18, R827-R866.	1.8	146
71	Ferromagnetism, paramagnetism, and a Curie-Weiss metal in an electron-doped Hubbard model on a triangular lattice. <i>Physical Review B</i> , 2006, 73, .	3.2	70
72	Critical behavior of one-particle spectral weights in the transverse Ising model. <i>Physical Review B</i> , 2006, 74, .	3.2	12

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73	Excitation spectra of the spin-1/2 triangular-lattice Heisenberg antiferromagnet. <i>Physical Review B</i> , 2006, 74, .	3.2	125
74	Quantum entanglement in the two-impurity Kondo model. <i>Physical Review A</i> , 2006, 73, .	2.5	53
75	Anisotropic scattering and anomalous normal-state transport in a high-temperature superconductor. <i>Nature Physics</i> , 2006, 2, 821-825.	16.7	148
76	Criteria for quantum coherent transfer of excitations between chromophores in a polar solvent. <i>Chemical Physics Letters</i> , 2006, 421, 266-271.	2.6	41
77	Anomalous Excitation Spectra of Frustrated Quantum Antiferromagnets. <i>Physical Review Letters</i> , 2006, 96, 057201.	7.8	98
78	Spin exchange and superconductivity in a $t\hat{J}\hat{c}^2\hat{V}$ model for two-dimensional quarter-filled systems. <i>Physical Review B</i> , 2005, 71, .	3.2	10
79	Thermal and electrical currents in nanoscale electronic interferometers. <i>Physical Review B</i> , 2005, 71, .	3.2	19
80	Half-Filled Layered Organic Superconductors and the Resonating-Valence-Bond Theory of the Hubbard-Heisenberg Model. <i>Physical Review Letters</i> , 2005, 94, 047004.	7.8	92
81	Measurement-Based Teleportation along Quantum Spin Chains. <i>Physical Review Letters</i> , 2005, 95, 230501.	7.8	23
82	Entanglement sharing and decoherence in the spin-bath. <i>Physical Review A</i> , 2005, 71, .	2.5	53
83	Temperature dependence of the magnetic susceptibility for triangular-lattice antiferromagnets with spatially anisotropic exchange constants. <i>Physical Review B</i> , 2005, 71, .	3.2	95
84	Quantum entanglement and fixed-point bifurcations. <i>Physical Review A</i> , 2005, 71, .	2.5	61
85	Spin boson models for quantum decoherence of electronic excitations of biomolecules and quantum dots in a solvent. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 1735-1746.	1.8	62
86	Fast simulation of a quantum phase transition in an ion-trap realizable unitary map. <i>Physical Review A</i> , 2005, 71, .	2.5	15
87	First-principle density-functional calculation of the Raman spectra of BEDT-TTF. <i>European Physical Journal Special Topics</i> , 2004, 114, 293-295.	0.2	1
88	Energy level statistics for models of coupled single-mode Bose-Einstein condensates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004, 2004, P10019.	2.3	3
89	On the relationship between the critical temperature and the London penetration depth in layered organic superconductors. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L367-L373.	1.8	17
90	Coherence of polaronic transport in layered metals. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 6695-6712.	1.8	1

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91	Measuring geometric phases of scattering states in nanoscale electronic devices. <i>Physical Review B</i> , 2004, 69, .	3.2	11
92	Dependence of the superconducting transition temperature of organic molecular crystals on intrinsically nonmagnetic disorder: A signature of either unconventional superconductivity or the atypical formation of magnetic moments. <i>Physical Review B</i> , 2004, 69, .	3.2	70
93	Entanglement and bifurcations in Jahn-Teller models. <i>Physical Review A</i> , 2004, 70, .	2.5	70
94	Magic-angle effects in the interlayer magnetoresistance of quasi-one-dimensional metals due to interchain incoherence. <i>Physical Review B</i> , 2004, 70, .	3.2	7
95	A first-principles density-functional calculation of the electronic and vibrational structure of the key melanin monomers. <i>Journal of Chemical Physics</i> , 2004, 120, 8608-8615.	3.0	147
96	Entanglement of two-mode Bose-Einstein condensates. <i>Physical Review A</i> , 2003, 67, .	2.5	151
97	Entanglement between a qubit and the environment in the spin-boson model. <i>Physical Review A</i> , 2003, 68, .	2.5	90
98	Indications of coherence-incoherence crossover in layered metallic transport. <i>Physical Review B</i> , 2003, 68, .	3.2	22
99	Gauge Fields, Geometric Phases, and Quantum Adiabatic Pumps. <i>Physical Review Letters</i> , 2003, 91, 186803.	7.8	45
100	Algebraic Bethe ansatz method for the exact calculation of energy spectra and form factors: applications to models of Bose-Einstein condensates and metallic nanograins. <i>Journal of Physics A</i> , 2003, 36, R63-R104.	1.6	126
101	Exact results for a tunnel-coupled pair of trapped Bose-Einstein condensates. <i>Journal of Physics A</i> , 2003, 36, L113-L119.	1.6	39
102	Quantum transport and integrability of the Anderson model for a quantum dot with multiple leads. <i>Physical Review B</i> , 2003, 68, .	3.2	16
103	Magnetic polarization currents in double quantum dot devices. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 1147-1154.	1.8	19
104	Solvable models of Bose-Einstein condensates: A new algebraic Bethe ansatz scheme. <i>Journal of Mathematical Physics</i> , 2003, 44, 4690.	1.1	10
105	Dynamical properties of a strongly correlated model for quarter-filled layered organic molecular crystals. <i>Physical Review B</i> , 2003, 68, .	3.2	46
106	EXACT SOLUTION, SCALING BEHAVIOUR AND QUANTUM DYNAMICS OF A MODEL OF AN ATOM-MOLECULE BOSE-EINSTEIN CONDENSATE. <i>International Journal of Modern Physics B</i> , 2003, 17, 5819-5828.	2.0	13
107	Metal-insulator transition and charge ordering in the extended Hubbard model at one-quarter filling. <i>Physical Review B</i> , 2002, 66, .	3.2	40
108	Electric-field-induced Mott insulating states in organic field-effect transistors. <i>Physical Review B</i> , 2002, 66, .	3.2	1

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109	MAGNETIC-FIELD-INDUCED SUPERCONDUCTIVITY IN LAYERED ORGANIC MOLECULAR CRYSTALS WITH LOCALIZED MAGNETIC MOMENTS. International Journal of Modern Physics B, 2002, 16, 3071-3071.	2.0	0
110	EXACT SOLUTION AT INTEGRABLE COUPLING OF A MODEL FOR THE JOSEPHSON EFFECT BETWEEN SMALL METALLIC GRAINS. International Journal of Modern Physics B, 2002, 16, 3429-3438.	2.0	4
111	Integrability and exact spectrum of a pairing model for nucleons. Journal of Physics A, 2002, 35, 6459-6469.	1.6	33
112	Superconducting correlations in metallic nanoparticles: Exact solution of the BCS model by the algebraic Bethe ansatz. Physical Review B, 2002, 65, .	3.2	80
113	Temperature dependence of polaronic transport through single molecules and quantum dots. Physical Review B, 2002, 66, .	3.2	115
114	Superconductivity Mediated by Charge Fluctuations in Layered Molecular Crystals. Physical Review Letters, 2001, 87, 237002.	7.8	196
115	Derivation of the probability distribution function for the local density of states of a disordered quantum wire via the replica trick and supersymmetry. Nuclear Physics B, 2001, 592, 445-478.	2.5	6
116	Large-N solutions of the Heisenberg and Hubbard-Heisenberg models on the anisotropic triangular lattice: application to Cs <sub>2</sub> CuCl <sub>4</sub> and to the layered organic superconductors $\hat{I}^{\rho}$ -(BEDT-TTF) <sub>2</sub> X	1.8	67
	13, 5159-5181.		
117	Ladder Operator for the One-Dimensional Hubbard Model. Physical Review Letters, 2001, 86, 5096-5099.	7.8	18
118	Charge ordering and antiferromagnetic exchange in layered molecular crystals of the $\hat{I}^{\rho}$ type. Physical Review B, 2001, 64, .	3.2	78
119	Temperature dependence of the interlayer magnetoresistance of quasi-one-dimensional Fermi liquids at the magic angles. Journal of Physics Condensed Matter, 2000, 12, 7945-7956.	1.8	3
120	Paramagnetic limiting of the upper critical field of the layered organic superconductor $\hat{I}^{\rho}$ -(BEDT-TTF) <sub>2</sub> Cu(SCN) <sub>2</sub> . Physical Review B, 2000, 61, 750-755.	3.2	70
121	Cyclotron effective masses in layered metals. Physical Review B, 2000, 62, 2416-2423.	3.2	41
122	Transport properties of strongly correlated metals: A dynamical mean-field approach. Physical Review B, 2000, 61, 7996-8008.	3.2	198
123	Phonon anomalies due to strong electronic correlations in layered organic metals. Physical Review B, 2000, 62, 16442-16445.	3.2	25
124	Phase Diagram of a Heisenberg Spin-Peierls Model with Quantum Phonons. Physical Review Letters, 1999, 83, 408-411.	7.8	76
125	Comparison of coherent and weakly incoherent transport models for the interlayer magnetoresistance of layered Fermi liquids. Physical Review B, 1999, 60, 7998-8011.	3.2	122
126	Effect of disorder on quantum phase transitions in anisotropic XY spin chains in a transverse field. Physical Review B, 1999, 60, 344-358.	3.2	88



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127	Quantum oscillations in quasi-one-dimensional metals with spin-density-wave ground states. <i>Physical Review B</i> , 1999, 59, 2604-2608.	3.2	17
128	The Heisenberg antiferromagnet on an anisotropic triangular lattice: linear spin-wave theory. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 2965-2975.	1.8	70
129	Periodic orbit resonances in layered metals in tilted magnetic fields. <i>Physical Review B</i> , 1999, 60, R11241-R11244.	3.2	30
130	Phase diagram for a class of spin-1/2 Heisenberg models interpolating between the square-lattice, the triangular-lattice, and the linear-chain limits. <i>Physical Review B</i> , 1999, 59, 14367-14375.	3.2	158
131	Spin-glass dynamics. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 63-66.	2.3	5
132	Phase Diagram of the One-Dimensional Holstein Model of Spinless Fermions. <i>Physical Review Letters</i> , 1998, 80, 5607-5610.	7.8	91
133	Incoherent Interlayer Transport and Angular-Dependent Magnetoresistance Oscillations in Layered Metals. <i>Physical Review Letters</i> , 1998, 81, 4492-4495.	7.8	131
134	Violation of Kohler's rule by the magnetoresistance of a quasi-two-dimensional organic metal. <i>Physical Review B</i> , 1998, 57, 11854-11857.	3.2	67
135	A low-temperature insulating phase at for 2D holes in high-mobility heterostructures with Landau level degeneracy. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 1565-1574.	1.8	16
136	CONDENSED MATTER PHYSICS: Similarities Between Organic and Cuprate Superconductors. <i>Science</i> , 1997, 278, 820-821.	12.6	302
137	Low temperature magnetotransport of 2D electron and hole systems in high-mobility $\text{SiSi}_1 - x\text{Ge}_x$ heterostructures. <i>Surface Science</i> , 1996, 361-362, 550-555.	1.9	9
138	Magneto-oscillations and field-induced phase transitions in organic conductors. <i>Surface Science</i> , 1996, 361-362, 901-904.	1.9	1
139	Applications of pulsed magnetic fields and low temperatures to low-dimensional (organic) conductor physics. <i>Physica B: Condensed Matter</i> , 1996, 216, 380-383.	2.7	5
140	Magneto-oscillations in the high-magnetic-field state of $(\text{TMTSF})_2\text{ClO}_4$ . <i>Physical Review B</i> , 1996, 53, 14406-14410.	3.2	24
141	Quantum Monte Carlo study of the one-dimensional Holstein model of spinless fermions. <i>Physical Review B</i> , 1996, 53, 9676-9687.	3.2	51
142	Exact Results for Quantum Phase Transitions in Random XY Spin Chains. <i>Physical Review Letters</i> , 1996, 77, 4804-4807.	7.8	71
143	Microscopic theory of the pseudogap and Peierls transition in quasi-one-dimensional materials. <i>Physical Review B</i> , 1995, 52, 16428-16442.	3.2	41
144	Destruction of Density-Wave States by a Pseudogap in High Magnetic Fields: Application to $(\text{TMTSF})_2\text{ClO}_4$ . <i>Physical Review Letters</i> , 1995, 74, 5140-5143.	7.8	6

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145	Ginzburg-Landau theory of phase transitions in quasi-one-dimensional systems. <i>Physical Review B</i> , 1995, 51, 6249-6260.	3.2	17
146	Fluctuation effects in quasi-one-dimensional conductors: Optical probing of thermal lattice fluctuations. <i>Physical Review B</i> , 1995, 52, 5603-5610.	3.2	26
147	Optical probing of thermal lattice fluctuations in charge-density-wave condensates. <i>Physical Review B</i> , 1994, 49, 14754-14757.	3.2	21
148	Comment on the coupling of zero sound to the $J=1$ modes of $^3\text{He-B}$ . <i>Journal of Low Temperature Physics</i> , 1993, 90-90, 337-341.	1.4	48
149	Lattice fluctuations and disorder in quasi-one dimensional materials. <i>Synthetic Metals</i> , 1993, 57, 4296-4301.	3.9	4
150	Universal subgap optical conductivity in quasi-one-dimensional Peierls systems. <i>Physical Review Letters</i> , 1993, 71, 4015-4018.	7.8	68
151	Evidence for modification of the electronic density of states by zero-point lattice motion in one dimension: Luminescence and resonance Raman studies of an MX solid. <i>Physical Review Letters</i> , 1993, 71, 762-765.	7.8	40
152	Effect of Lattice Zero-Point Motion on Electronic Properties of the Peierls-Fröhlich State. <i>Physical Review Letters</i> , 1992, 69, 1085-1088.	7.8	121
153	Observation of dispersion in the $J=2$ collective modes of $^3\text{He-B}$ by nonlinear acoustic spectroscopy. <i>Physical Review Letters</i> , 1992, 68, 3725-3728.	7.8	44
154	Nonlinear acoustic effects in superfluid $^3\text{He-B}$ . <i>Physica B: Condensed Matter</i> , 1992, 178, 219-237.	2.7	4
155	Photoluminescence spectra of conjugated polymers with nondegenerate ground state. <i>Synthetic Metals</i> , 1991, 43, 3615-3618.	3.9	11
156	Parametric excitation of the $J = 2$ modes by zero sound in superfluid $^3\text{He-B}$ . <i>Physica B: Condensed Matter</i> , 1991, 169, 170-176.	2.7	5
157	Two-phonon absorption by the real squashing mode in superfluid $^3\text{He-B}$ . <i>Physical Review Letters</i> , 1991, 66, 3152-3155.	7.8	54
158	Acoustic Order Parameter Three-Wave Resonance in Superfluid $^3\text{He-B}$ . <i>Europhysics Letters</i> , 1989, 9, 459-464.	2.0	58