

# Joel E Moore

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168 papers	15,670 citations	59 h-index	124 g-index
179 ext. papers	18,389 ext. citations	7.3 avg, IF	7.49 L-index

#	Paper	IF	Citations
168	Current-induced second harmonic generation in inversion-symmetric Dirac and Weyl semimetals. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	2
167	Neural Network Representation of Tensor Network and Chiral States. <i>Physical Review Letters</i> , <b>2021</b> , 127, 170601	7.4	3
166	Detection of Kardar-Parisi-Zhang hydrodynamics in a quantum Heisenberg spin-1/2 chain. <i>Nature Physics</i> , <b>2021</b> , 17, 726-730	16.2	12
165	Intrinsic Anomalous Hall Conductivity in a Nonuniform Electric Field. <i>Physical Review Letters</i> , <b>2021</b> , 126, 156602	7.4	2
164	Enhanced Coherence in Superconducting Circuits via Band Engineering. <i>Physical Review Letters</i> , <b>2021</b> , 126, 187701	7.4	0
163	Floquet engineering ultracold polar molecules to simulate topological insulators. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
162	Realizing Hopf Insulators in Dipolar Spin Systems. <i>Physical Review Letters</i> , <b>2021</b> , 127, 015301	7.4	2
161	Many-Body Chaos in the Sachdev-Ye-Kitaev Model. <i>Physical Review Letters</i> , <b>2021</b> , 126, 030602	7.4	18
160	Criticality of Two-Dimensional Disordered Dirac Fermions in the Unitary Class and Universality of the Integer Quantum Hall Transition. <i>Physical Review Letters</i> , <b>2021</b> , 126, 076801	7.4	6
159	Four-Spin Terms and the Origin of the Chiral Spin Liquid in Mott Insulators on the Triangular Lattice. <i>Physical Review Letters</i> , <b>2021</b> , 127, 087201	7.4	3
158	Spatiotemporal Crossover between Low- and High-Temperature Dynamical Regimes in the Quantum Heisenberg Magnet. <i>Physical Review Letters</i> , <b>2021</b> , 127, 107201	7.4	1
157	Emergent hydrodynamics in a strongly interacting dipolar spin ensemble. <i>Nature</i> , <b>2021</b> , 597, 45-50	50.4	4
156	Optical rotation in thin chiral/twisted materials and the gyrotropic magnetic effect. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
155	Interactions Remove the Quantization of the Chiral Photocurrent at Weyl Points. <i>Physical Review Letters</i> , <b>2020</b> , 124, 196603	7.4	22
154	Superdiffusive transport of energy in one-dimensional metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 12713-12718	11.5	10
153	Manipulating long-lived topological surface photovoltage in bulk-insulating topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> . <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	5
152	Difference frequency generation in topological semimetals. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	27

151	Half-magnetization plateau and the origin of threefold symmetry breaking in an electrically switchable triangular antiferromagnet. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	2
150	Chiral Spin Liquid Phase of the Triangular Lattice Hubbard Model: A Density Matrix Renormalization Group Study. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	34
149	Strong correlations and orbital texture in single-layer 1T-TaSe <sub>2</sub> . <i>Nature Physics</i> , <b>2020</b> , 16, 218-224	16.2	56
148	Helicity-dependent photocurrents in the chiral Weyl semimetal RhSi. <i>Science Advances</i> , <b>2020</b> , 6, eaba0509,	14.3	47
147	Tracking surface photovoltage dipole geometry in Bi <sub>2</sub> Se <sub>3</sub> with time-resolved photoemission. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2019</b> , 2019, 104008	1.9	2
146	Optical properties of Weyl semimetals. <i>National Science Review</i> , <b>2019</b> , 6, 206-208	10.8	9
145	New frontiers for the materials genome initiative. <i>Npj Computational Materials</i> , <b>2019</b> , 5,	10.9	171
144	Boundary edge networks induced by bulk topology. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
143	Floquet Hopf Insulators. <i>Physical Review Letters</i> , <b>2019</b> , 123, 266803	7.4	12
142	Energy Drag in Particle-Hole Symmetric Systems as a Quantum Quench. <i>Physical Review Letters</i> , <b>2019</b> , 123, 246603	7.4	0
141	Imaging stress and magnetism at high pressures using a nanoscale quantum sensor. <i>Science</i> , <b>2019</b> , 366, 1349-1354	33.3	59
140	Nonlinear optical effects in inversion-symmetry-breaking superconductors. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	6
139	Diagrammatic approach to nonlinear optical response with application to Weyl semimetals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	48
138	Incomplete Thermalization from Trap-Induced Integrability Breaking: Lessons from Classical Hard Rods. <i>Physical Review Letters</i> , <b>2018</b> , 120, 164101	7.4	33
137	Topological Floquet-Thouless Energy Pump. <i>Physical Review Letters</i> , <b>2018</b> , 120, 150601	7.4	31
136	Bethe-Boltzmann hydrodynamics and spin transport in the XXZ chain. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	111
135	Spin-wave analysis of the low-temperature thermal Hall effect in the candidate Kitaev spin liquid RuCl <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	36
134	Magnetoresistance Scaling Reveals Symmetries of the Strongly Correlated Dynamics in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 121, 197002	7.4	7

133	Unconventional magneto-transport in ultrapure PdCoO <sub>2</sub> and PtCoO <sub>2</sub> . <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	23
132	Resonance-enhanced optical nonlinearity in the Weyl semimetal TaAs. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	46
131	Design principles for shift current photovoltaics. <i>Nature Communications</i> , <b>2017</b> , 8, 14176	17.4	123
130	Electrical and thermal transport in the quasicrystalline limit of coupled Luttinger liquids. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	3
129	Thermodynamic anomaly above the superconducting critical temperature in the quasi-one-dimensional superconductor Ta <sub>4</sub> Pd <sub>3</sub> Te <sub>16</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	4
128	Giant anisotropic nonlinear optical response in transition metal monophosphide Weyl semimetals. <i>Nature Physics</i> , <b>2017</b> , 13, 350-355	16.2	189
127	Entanglement entropy in excited states of the quantum Lifshitz model. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2017</b> , 50, 254003	2	4
126	The physics of quantum materials. <i>Nature Physics</i> , <b>2017</b> , 13, 1045-1055	16.2	160
125	Quantitative relationship between polarization differences and the zone-averaged shift photocurrent. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	42
124	Quantized circular photogalvanic effect in Weyl semimetals. <i>Nature Communications</i> , <b>2017</b> , 8, 15995	17.4	240
123	Large Bulk Photovoltaic Effect and Spontaneous Polarization of Single-Layer Monochalcogenides. <i>Physical Review Letters</i> , <b>2017</b> , 119, 067402	7.4	104
122	Solvable Hydrodynamics of Quantum Integrable Systems. <i>Physical Review Letters</i> , <b>2017</b> , 119, 220604	7.4	104
121	A perspective on quantum integrability in many-body-localized and Yang-Baxter systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	4
120	Floquet Dynamics of Boundary-Driven Systems at Criticality. <i>Physical Review Letters</i> , <b>2017</b> , 118, 260602	7.4	20
119	Hydrodynamic Electron Flow and Hall Viscosity. <i>Physical Review Letters</i> , <b>2017</b> , 118, 226601	7.4	84
118	Gyrotropic Magnetic Effect and the Magnetic Moment on the Fermi Surface. <i>Physical Review Letters</i> , <b>2016</b> , 116, 077201	7.4	111
117	Spectral statistics across the many-body localization transition. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	117
116	Nonadiabatic bulk-surface oscillations in driven topological insulators. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	8

115	Chern numbers and chiral anomalies in Weyl butterflies. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
114	Nonequilibrium quantum dynamics and transport: from integrability to many-body localization. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2016</b> , 2016, 064010	1.9	136
113	Semiclassical theory of nonlinear magneto-optical responses with applications to topological Dirac/Weyl semimetals. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	90
112	Dynamical Piezoelectric and Magnetopiezoelectric Effects in Polar Metals from Berry Phases and Orbital Moments. <i>Physical Review Letters</i> , <b>2016</b> , 117, 257601	7.4	24
111	Quasi-Many-Body Localization in Translation-Invariant Systems. <i>Physical Review Letters</i> , <b>2016</b> , 117, 240601	7.4	84
110	Quantized electromagnetic response of three-dimensional chiral topological insulators. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	4
109	Magnetization Signatures of Light-Induced Quantum Hall Edge States. <i>Physical Review Letters</i> , <b>2015</b> , 114, 246802	7.4	30
108	Quantum revivals and many-body localization. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	89
107	Multifractal orthogonality catastrophe in one-dimensional random quantum critical points. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	11
106	Time-evolving a matrix product state with long-ranged interactions. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	129
105	Pumping conductance, the intrinsic anomalous Hall effect, and statistics of topological invariants. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	1
104	Approaching many-body localization from disordered Luttinger liquids via the functional renormalization group. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	16
103	Spin-Based Mach-Zehnder Interferometry in Topological Insulator p-n Junctions. <i>Physical Review Letters</i> , <b>2015</b> , 115, 096802	7.4	28
102	Optical gyrotropy from axion electrodynamics in momentum space. <i>Physical Review Letters</i> , <b>2015</b> , 115, 117403	7.4	43
101	Expansion Potentials for Exact Far-from-Equilibrium Spreading of Particles and Energy. <i>Physical Review Letters</i> , <b>2015</b> , 115, 267201	7.4	32
100	Edge physics of the quantum spin Hall insulator from a quantum dot excited by optical absorption. <i>Physical Review Letters</i> , <b>2014</b> , 112, 146804	7.4	8
99	Crossover from incoherent to coherent phonon scattering in epitaxial oxide superlattices. <i>Nature Materials</i> , <b>2014</b> , 13, 168-72	27	327
98	Transport properties of the one-dimensional Hubbard model at finite temperature. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	33

97	Excited-state entanglement and thermal mutual information in random spin chains. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	36
96	Detecting perfect transmission in Josephson junctions on the surface of three dimensional topological insulators. <i>New Journal of Physics</i> , <b>2014</b> , 16, 053007	2.9	24
95	Absence of the Aharonov-Bohm effect of chiral Majorana fermion edge states. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	7
94	Dynamics of tunneling into nonequilibrium edge states. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	19
93	Real-time and real-space spin and energy dynamics in one-dimensional spin-1/2 systems induced by local quantum quenches at finite temperatures. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	87
92	Theory of Three-Dimensional Topological Insulators. <i>Contemporary Concepts of Condensed Matter Science</i> , <b>2013</b> , 35-57		3
91	Quantum interference and Aharonov-Bohm oscillations in topological insulators. <i>Reports on Progress in Physics</i> , <b>2013</b> , 76, 056501	14.4	113
90	Competing weak localization and weak antilocalization in ultrathin topological insulators. <i>Nano Letters</i> , <b>2013</b> , 13, 48-53	11.5	113
89	Corner states of topological fullerenes. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	18
88	Reducing the numerical effort of finite-temperature density matrix renormalization group calculations. <i>New Journal of Physics</i> , <b>2013</b> , 15, 083031	2.9	57
87	Nonequilibrium thermal transport and its relation to linear response. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	72
86	Scaling of electrical and thermal conductivities in an almost integrable chain. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	30
85	Chiral Luttinger liquids and a generalized Luttinger theorem in fractional quantum Hall edges via finite-entanglement scaling. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	7
84	Berry phase mechanism for optical gyrotropy in stripe-ordered cuprates. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	48
83	Tuning thermoelectric power factor by crystal-field and spin-orbit couplings in Kondo-lattice materials. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	10
82	Nonequilibrium transport through a gate-controlled barrier on the quantum spin Hall edge. <i>Physical Review Letters</i> , <b>2012</b> , 109, 216602	7.4	18
81	Superconductivity of doped Weyl semimetals: Finite-momentum pairing and electronic analog of the 3He-A phase. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	138
80	Luttinger liquid physics from the infinite-system density matrix renormalization group. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	22

79	Electromagnetic and gravitational responses and anomalies in topological insulators and superconductors. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	184
78	Finite-temperature dynamical density matrix renormalization group and the Drude weight of spin-1/2 chains. <i>Physical Review Letters</i> , <b>2012</b> , 108, 227206	7.4	151
77	Unbounded growth of entanglement in models of many-body localization. <i>Physical Review Letters</i> , <b>2012</b> , 109, 017202	7.4	604
76	Quasiparticle effects in the bulk and surface-state bands of Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> topological insulators. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	101
75	Dyon condensation in topological Mott insulators. <i>New Journal of Physics</i> , <b>2012</b> , 14, 115030	2.9	9
74	Edge excitations of bosonic fractional quantum Hall phases in optical lattices. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	16
73	Quantum transport and two-parameter scaling at the surface of a weak topological insulator. <i>Physical Review Letters</i> , <b>2012</b> , 108, 076804	7.4	106
72	Gapless edge states of background field theory and translation-symmetric Z <sub>2</sub> spin liquids. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	22
71	Berry phase and anomalous Hall effect in a three-orbital tight-binding Hamiltonian. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	33
70	Potential Insights into Nonequilibrium Behavior from Atomic Physics. <i>Contemporary Concepts of Condensed Matter Science</i> , <b>2012</b> , 177-202		22
69	Three-Dimensional Topological Insulators. <i>Annual Review of Condensed Matter Physics</i> , <b>2011</b> , 2, 55-78	19.7	386
68	Tuning the electronic effective mass in double-doped SrTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	32
67	Topological BF field theory description of topological insulators. <i>Annals of Physics</i> , <b>2011</b> , 326, 1515-1535	2.5	114
66	Logarithmic terms in entanglement entropies of 2D quantum critical points and Shannon entropies of spin chains. <i>Physical Review Letters</i> , <b>2011</b> , 107, 020402	7.4	55
65	Bound states and E8 symmetry effects in perturbed quantum Ising chains. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	34
64	Quantum phase transition and fractional excitations in a topological insulator thin film with Zeeman and excitonic masses. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	25
63	Entanglement spectrum of random-singlet quantum critical points. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	57
62	The birth of topological insulators. <i>Nature</i> , <b>2010</b> , 464, 194-8	50.4	2133

61	Dynamics after a sweep through a quantum critical point. <i>Physical Review E</i> , <b>2010</b> , 81, 020101	2.4	91
60	Confinement-induced berry phase and helicity-dependent photocurrents. <i>Physical Review Letters</i> , <b>2010</b> , 105, 026805	7.4	105
59	Orbital magnetoelectric coupling in band insulators. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	131
58	Entanglement spectra of critical and near-critical systems in one dimension. <i>New Journal of Physics</i> , <b>2010</b> , 12, 025006	2.9	48
57	Spin polarization and transport of surface states in the topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> from first principles. <i>Physical Review Letters</i> , <b>2010</b> , 105, 266806	7.4	381
56	Antiferromagnetic topological insulators. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	374
55	Aharonov-Bohm oscillations in disordered topological insulator nanowires. <i>Physical Review Letters</i> , <b>2010</b> , 105, 156803	7.4	154
54	In-plane transport and enhanced thermoelectric performance in thin films of the topological insulators Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2010</b> , 105, 166603	7.4	193
53	Majorana fermion chain at the quantum spin Hall edge. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	44
52	Magnetic phase diagram of a spin-1 condensate in two dimensions with dipole interaction. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	6
51	Comment on "Ferroelectrically Induced Weak Ferromagnetism By Design". <i>Physical Review Letters</i> , <b>2009</b> , 102, 249701; author reply 249702	7.4	8
50	Phase diagram of the frustrated spatially-anisotropic S=1 antiferromagnet on a square lattice. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	43
49	Criticality and entanglement in random quantum systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2009</b> , 42, 504010	2	70
48	Magnetoelectric polarizability and axion electrodynamics in crystalline insulators. <i>Physical Review Letters</i> , <b>2009</b> , 102, 146805	7.4	616
47	Theory of finite-entanglement scaling at one-dimensional quantum critical points. <i>Physical Review Letters</i> , <b>2009</b> , 102, 255701	7.4	208
46	Exciton condensation and charge fractionalization in a topological insulator film. <i>Physical Review Letters</i> , <b>2009</b> , 103, 066402	7.4	212
45	Optical coupling to spin waves in the cycloidal multiferroic BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	76
44	Thermal conductance of thin silicon nanowires. <i>Physical Review Letters</i> , <b>2008</b> , 101, 105501	7.4	289



43	c-theorem violation for effective central charge of infinite-randomness fixed points. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	32
42	Controllable spin-current blockade in a Hubbard chain. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	3
41	Topological surface States in three-dimensional magnetic insulators. <i>Physical Review Letters</i> , <b>2008</b> , 101, 186805	7-4	99
40	Vortex lattice transitions in cyclic spinor condensates. <i>Physical Review Letters</i> , <b>2008</b> , 100, 240405	7-4	25
39	Optimal thermoelectric figure of merit of a molecular junction. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	173
38	Anomalously large measured thermoelectric power factor in $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ thin films due to $\text{SrTiO}_3$ substrate reduction. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 202113	3-4	53
37	Electrical control of magnon propagation in multiferroic $\text{BiFeO}_3$ films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 022514	3-4	40
36	Multiferroic Materials for Spin-Based Logic Devices. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2008</b> , 3, 77-81	1-3	8
35	Topological invariants of time-reversal-invariant band structures. <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	1735
34	Topological insulators beyond the Brillouin zone via Chern parity. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	84
33	Coherent phonon scattering effects on thermal transport in thin semiconductor nanowires. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	68
32	Global phase diagram for the spin-1 antiferromagnet with uniaxial anisotropy on the kagome lattice. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	13
31	Entanglement entropy of the random $s=1$ Heisenberg chain. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	40
30	Gauge symmetry and non-Abelian topological sectors in a geometrically constrained model on the honeycomb lattice. <i>Physical Review E</i> , <b>2007</b> , 75, 051120	2-4	3
29	Dynamical models and the phase ordering kinetics of the $s=1$ spinor condensate. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	29
28	Thermoelectric transport near pair breaking quantum phase transition out of d-wave superconductivity. <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	14
27	Doping dependence of thermopower and thermoelectricity in strongly correlated materials. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 112107	3-4	34
26	Entanglement entropy of 2D conformal quantum critical points: hearing the shape of a quantum drum. <i>Physical Review Letters</i> , <b>2006</b> , 97, 050404	7-4	177

25	Current noise in the vicinity of the 2D superconductor-insulator quantum critical point. <i>Physical Review Letters</i> , <b>2006</b> , 97, 227003	7.4	15
24	Quantum stripe ordering in optical lattices. <i>Physical Review Letters</i> , <b>2006</b> , 97, 190406	7.4	62
23	Ordering near the percolation threshold in models of two-dimensional interacting bosons with quenched dilution. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	15
22	Topological defects and the superfluid transition of the $s=1$ spinor condensate in two dimensions. <i>Physical Review Letters</i> , <b>2006</b> , 97, 120406	7.4	76
21	Stability of the quantum spin Hall effect: Effects of interactions, disorder, and Z2 topology. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	433
20	Observation of spin Coulomb drag in a two-dimensional electron gas. <i>Nature</i> , <b>2005</b> , 437, 1330-3	50.4	168
19	Geometric criticality for transitions between plaquette phases in integer-spin kagome XXZ antiferromagnets. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	11
18	Incompressible quantum liquids and new conservation laws. <i>Physical Review Letters</i> , <b>2005</b> , 95, 266405	7.4	97
17	Strong-weak coupling self-duality in the two-dimensional quantum phase transition of $p + ip$ superconducting arrays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 047003	7.4	64
16	Entanglement entropy of random quantum critical points in one dimension. <i>Physical Review Letters</i> , <b>2004</b> , 93, 260602	7.4	261
15	Screening and dissipation at the superconductor-insulator transition induced by a metallic ground plane. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	15
14	Quantum destruction of stiffness in diluted antiferromagnets and superconductors. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	5
13	Geometric effects on T-breaking in $p+ip$ and $d+id$ superconducting arrays. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	20
12	HIGHER HARMONICS OF ELECTRONIC-VIBRATIONAL COUPLING IN SUBRESONANT AND RESONANT TRANSPORT IN SINGLE-MOLECULE DEVICES. <i>International Journal of Nanoscience</i> , <b>2004</b> , 03, 255-264	0.6	7
11	Conservation laws in the quantum Hall Liouvillian theory and its generalizations. <i>Nuclear Physics B</i> , <b>2003</b> , 661, 514-532	2.8	2
10	Critical points in edge tunneling between generic fractional quantum Hall states. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	30
9	Mobility-edge scaling at semiclassical and dissipative Hall transitions. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	3
8	Quantum hall plateau transition at order $1/N$ . <i>Physical Review Letters</i> , <b>2001</b> , 87, 046801	7.4	7

7	Connecting polymers to the quantum Hall plateau transition. <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	2
6	Nonequilibrium tunneling into general quantum Hall edge states. <i>Physical Review B</i> , <b>2000</b> , 62, 7298-7302,	3.3	11
5	Anomalous magnetic splitting of the kondo resonance. <i>Physical Review Letters</i> , <b>2000</b> , 85, 1722-5	7.4	85
4	Nonlinear radiation pressure and stochasticity in ultraintense laser fields. <i>Physical Review E</i> , <b>1999</b> , 59, 2281-2285	2.4	4
3	Classification of disordered phases of quantum Hall edge states. <i>Physical Review B</i> , <b>1998</b> , 57, 10138-10156,	3.3	29
2	Edge excitations of the $\nu = 1$ spin-singlet quantum Hall state. <i>Physical Review B</i> , <b>1997</b> , 55, 7818-7823	3.3	18
1	Guiding-center equations for electrons in ultraintense laser fields. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 1105-1116.	2.1	7