Frederic Mila

List of Publications by Year
in descending order

303	10,221	28190 55	49773 87
papers	citations	h-index	g-index

309	309	309	4804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of magnetic resonance experiments in YBa2Cu3O7. Physica C: Superconductivity and Its Applications, 1989, 157, 561-570.	0.6	376
2	Magnetic Superstructure in the Two-Dimensional Quantum Antiferromagnet SrCu2(BO3)2. Science, 2002, 298, 395-399.	6.0	288
3	Quadrupolar Phases of theS=1Bilinear-Biquadratic Heisenberg Model on the Triangular Lattice. Physical Review Letters, 2006, 97, 087205.	2.9	229
4	Low-Energy Sector of theS=1/2Kagome Antiferromagnet. Physical Review Letters, 1998, 81, 2356-2359.	2.9	224
5	Li2VO(Si,Ge)O4, a Prototype of a Two-Dimensional Frustrated Quantum Heisenberg Antiferromagnet. Physical Review Letters, 2000, 85, 1318-1321.	2.9	206
6	Tetrahedral Clusters of Copper(II): Crystal Structures and Magnetic Properties of Cu2Te2O5X2(X = Cl,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.2	173
7	Ladders in a magnetic field: a strong coupling approach. European Physical Journal B, 1998, 6, 201-205.	0.6	170
8	Plaquette valence-bond crystal in the frustrated Heisenberg quantum antiferromagnet on the square lattice. Physical Review B, 2006, 74, .	1.1	168
9	Parameters of a Hubbard Hamiltonian to describe superconducting Cu oxides. Physical Review B, 1988, 38, 11358-11367.	1.1	148
10	Spin-Orbital Quantum Liquid on the Honeycomb Lattice. Physical Review X, 2012, 2, .	2.8	138
11	Poisson vs. GOE Statistics in Integrable and Non-Integrable Quantum Hamiltonians. Europhysics Letters, 1993, 22, 537-542.	0.7	130
12	Spin dynamics ofYBa2Cu3O6+xas revealed by NMR. Physical Review B, 1989, 40, 11382-11385.	1.1	126
13	Phase Diagram of the One-Dimensional Extended Hubbard Model at Quarter-Filling. Europhysics Letters, 1993, 24, 133-138.	0.7	125
14	Effective Spin Model for the Spin-Liquid Phase of the Hubbard Model on the Triangular Lattice. Physical Review Letters, 2010, 105, 267204.	2.9	124
15	Magnetization plateaux and jumps in a class of frustrated ladders: A simple route to a complex behaviour. European Physical Journal B, 2000, 15, 227-233.	0.6	122
16	Magnetization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrCu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>BO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mo Fields up to 118ÂT. Physical Review Letters, 2013, 111, 137204.	2.9	121 Tj ETQq
17	Magnetic and thermodynamic properties ofLi2VOSiO4:A two-dimensionalS=1/2frustrated antiferromagnet on a square lattice. Physical Review B, 2001, 64, .	1.1	115
18	RVB description of the low-energy singlets of the spin 1/2 kagomÃ© antiferromagnet. European Physical Journal B, 2000, 17, 651-659.	0.6	114

#	Article	IF	Citations
19	Tensor network study of the Shastry-Sutherland model in zero magnetic field. Physical Review B, 2013, 87, .	1.1	110
20	Shadow Band in the One-Dimensional Infinite-UHubbard Model. Physical Review Letters, 1996, 77, 1390-1393.	2.9	109
21	Thermodynamics of the One-Dimensional SU(4) Symmetric Spin-Orbital Model. Physical Review Letters, 1999, 82, 835-838.	2.9	106
22	Quantum compass model on the square lattice. Physical Review B, 2005, 72, .	1.1	105
23	Crystals of Bound States in the Magnetization Plateaus of the Shastry-Sutherland Model. Physical Review Letters, 2014, 112, 147203.	2.9	100
24	Orbital Currents in Extended Hubbard Models of High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Cuprate Superconductors. Physical Review Letters, 2009, 102, 017005.	2.9	99
25	Phase diagram of the one-dimensional extended Hubbard model with attractive and/or repulsive interactions at quarter filling. Physical Review B, 1994, 49, 9670-9678.	1.1	97
26	Interacting Classical Dimers on the Square Lattice. Physical Review Letters, 2005, 94, 235702.	2.9	97
27	Simultaneous Dimerization and SU(4) Symmetry Breaking of 4-Color Fermions on the Square Lattice. Physical Review Letters, 2011, 107, 215301.	2.9	95
28	Spin dynamics in a frustrated magnet with short-range order. Physical Review B, 1991, 43, 7891-7898.	1.1	94
29	Three-Sublattice Ordering of the SU(3) Heisenberg Model of Three-Flavor Fermions on the Square and Cubic Lattices. Physical Review Letters, 2010, 105, 265301.	2.9	91
30	Quantum spin liquids. European Journal of Physics, 2000, 21, 499-510.	0.3	87
31	Ising Transition Driven by Frustration in a 2D Classical Model with Continuous Symmetry. Physical Review Letters, 2003, 91, 177202.	2.9	87
32	Orbitally Degenerate Spin-1 Model for InsulatingV2O3. Physical Review Letters, 2000, 85, 1714-1717.	2.9	82
33	Orbital degeneracy as a source of frustration inLiNiO2. Physical Review B, 2004, 70, .	1.1	81
34	Evidence for an Unconventional Magnetic Instability in the Spin-Tetrahedra SystemCu2Te2O5Br2. Physical Review Letters, 2001, 87, 227201.	2.9	79
35	Spectral functions of the one-dimensional Hubbard model in the Uâ†'+âˆž limit:How to use the factorized wave function. Physical Review B, 1997, 55, 15475-15488.	1.1	78
36	Unexpected periodicity in the quasi-two-dimensional Mott insulator1Tâ^'TaS2revealed by angle-resolved photoemission. Physical Review B, 2005, 71, .	1.1	78

#	Article	IF	Citations
37	Three-sublattice order in the SU(3) Heisenberg model on the square and triangular lattice. Physical Review B, 2012, 85, .	1.1	78
38	Charge gap in the one-dimensional dimerized Hubbard model at quarter-filling. Physical Review B, 1994, 50, 11429-11445.	1.1	77
39	First-order transition between magnetic order and valence bond order in a 2D frustrated Heisenberg model. Europhysics Letters, 1996, 34, 145-150.	0.7	77
40	Biquadratic Interactions and Spin-Peierls Transition in the Spin-1 ChainLiVGe2O6. Physical Review Letters, 1999, 83, 4176-4179.	2.9	77
41	Elementary excitations in magnetically ordered systems with orbital degeneracy. Physical Review B, 1999, 60, 6584-6587.	1.1	76
42	Highly frustrated magnetic clusters: The kagomÃ© on a sphere. Physical Review B, 2008, 77, .	1.1	71
43	Ferrimagnetism of the magnetoelectric compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>S</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>77</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review B, 2010, 82, .	1.1	71
44	Frustrated three-leg spin tubes: From spin1âˆ•2with chirality to spin3âˆ•2. Physical Review B, 2006, 73, .	1.1	69
45	Zero-temperature properties of the quantum dimer model on the triangular lattice. Physical Review B, 2005, 71, .	1.1	68
46	Theory of Magnetization Plateaux in the Shastry-Sutherland Model. Physical Review Letters, 2008, 101, 250402.	2.9	66
47	Deducing correlation parameters from optical conductivity in the Bechgaard salts. Physical Review B, 1995, 52, 4788-4793.	1.1	65
48	Ferromagnetism in multiband Hubbard models: From weak to strong Coulomb repulsion. Physical Review B, 1996, 54, 4056-4067.	1.1	64
49	Wannier functions and exchange integrals: The example ofLiCu2O2. Physical Review B, 2007, 75, .	1.1	61
50	Static impurities in theS=1/2kagome lattice: Dimer freezing and mutual repulsion. Physical Review B, 2003, 68, .	1.1	60
51	Peierls-Like Transition Induced by Frustration in a Two-Dimensional Antiferromagnet. Physical Review Letters, 2002, 89, 037204.	2.9	59
52	Dzyaloshinskii-Moriya anisotropy and nonmagnetic impurities in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:mo>=</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>kagome system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow>	1.1	57
53	<mml:msub><mml:mi>SrCu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>BO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mo) Tj ET Q q 2013, 110, 067210.	2.9	57
54	Quantum and Thermal Transitions Out of the Supersolid Phase of a 2D Quantum Antiferromagnet. Physical Review Letters, 2007, 99, 027202.	2.9	55

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55	Supersolid Phase Induced by Correlated Hopping in Spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>Frustrated Quantum Magnets. Physical Review Letters, 2008, 100, 090401.	2.9	55
56	Competition between two- and three-sublattice ordering for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:math>spins on the square lattice. Physical Review B, 2012, 85, .	1.1	54
57	Controlling the Topological Sector of Magnetic Solitons in Exfoliated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cr</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:m Crystals. Physical Review Letters, 2017, 118, 257203.	2.9	54
58	Spectral Function of the 1D Hubbard Model in theUâ†'+âˆžLimit. Physical Review Letters, 1995, 75, 894-897.	2.9	53
59	Simplex solids in SU(N) Heisenberg models on the kagome and checkerboard lattices. Physical Review B, 2012, 86, .	1.1	49
60	A quantum magnetic analogue to the critical point of water. Nature, 2021, 592, 370-375.	13.7	49
61	Uniform and staggered magnetizations induced by Dzyaloshinskii-Moriya interactions in isolated and coupled spin-1â•2dimers in a magnetic field. Physical Review B, 2007, 75, .	1.1	48
62	Spontaneous Plaquette Formation in the SU(4) Spin-Orbital Ladder. Physical Review Letters, 2001, 86, 4124-4127.	2.9	47
63	On the origin of biquadratic exchange in spin 1 chains. European Physical Journal B, 2000, 16, 7-10.	0.6	46
64	Exact Diagonalization of Heisenberg<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>N</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td (stretchy="false">)</mml:m 127204.	2.9	46
65	Soliton binding and low-lying singlets in frustrated odd-leggedS=12spin tubes. Physical Review B, 2004, 70, .	1.1	45
66	Plaquette ground state in the two-dimensional SU(4) spin-orbital model. European Physical Journal B, 2000, 17, 367-370.	0.6	44
67	Quantum phase transition in the SU(4) spin-orbital model on the triangular lattice. Physical Review B, 2003, 68, .	1.1	44
68	Evidence of quantum dimer excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:mr mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	44
69	Spin and Charge Texture around In-Plane Charge Centers in theCuO2Planes. Physical Review Letters, 1996, 77, 3021-3024.	2.9	43
70	Spectral functions of one-dimensional models of correlated electrons. Physical Review B, 1997, 55, R4859-R4862.	1.1	43
71	Entropy Dependence of Correlations in One-DimensionalSU(N)Antiferromagnets. Physical Review Letters, 2012, 109, 205306.	2.9	43
72	Electronic structure and exchange interactions ofNa2V3O7. Physical Review B, 2006, 73, .	1.1	42

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73	Magnetism and superconductivity of strongly correlated electrons on the triangular lattice. Physical Review B, 2006, 73, .	1.1	42
74	Single-particle versus pair condensation of hard-core bosons with correlated hopping. Physical Review B, 2006, 74, .	1.1	42
75	Theory of spin-density profile and lattice distortion in the magnetization plateaus ofSrCu2(BO3)2. Physical Review B, 2003, 68, .	1.1	40
76	Scanning-Tunneling Spectroscopy of Surface-State Electrons Scattered by a Slightly Disordered Two-Dimensional Dilute â€œSolidâ€• Ce on Ag(111). Physical Review Letters, 2004, 93, 146805.	2.9	40
77	Condensation of magnons and spinons in a frustrated ladder. Physical Review B, 2006, 73, .	1.1	40
78	Generalization of the Haldane conjecture to SU(3) chains. Nuclear Physics B, 2017, 924, 508-577.	0.9	40
79	Chirality of Triangular Antiferromagnetic Clusters as a Qubit. Physical Review Letters, 2010, 104, 200502.	2.9	39
80	Phase diagram and continuous pair-unbinding transition of the bilinear-biquadratic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:math>Heisenbe chain in a magnetic field. Physical Review B, 2011, 83, .	1.1	39
81	Thermodynamic properties of the Shastry-Sutherland model throughout the dimer-product phase. Physical Review Research, 2019, 1, .	1.3	39
82	Antiferromagnetic Spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi></mml:math>Chains with Exactly Dimerized Ground States. Physical Review Letters, 2012, 108, 127202.	2.9	38
83	Chiral Spin Liquids in Frustrated Easy-Axis<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>N</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 332 Td [(stretchy="false">)] Gauge Fields. Physical Review Letters, 2016, 117, 167202.	2.9	38
84	Magnetic properties of the coupled ladder systemMgV2O5. Physical Review B, 1998, 57, 5005-5008.	1.1	37
85	Floating Phase versus Chiral Transition in a 1D Hard-Boson Model. Physical Review Letters, 2019, 122, 017205.	2.9	37
86	Spin gap in CaV4O9: A large-Sapproach. Physical Review B, 1996, 53, R2945-R2947.	1.1	36
87	Atomic spin, molecular orbitals, and anomalous antiferromagnetism in insulatingV2O3. Physical Review B, 2001, 63, .	1.1	36
88	LiVGe2O6, an Anomalous Quasi-1D,S=1System, as Revealed by NMR. Physical Review Letters, 2000, 85, 409-412.	2.9	34
89	Quantum stabilization of classically unstable plateau structures. Physical Review B, 2013, 87, .	1.1	34
90	Competing states in the SU(3) Heisenberg model on the honeycomb lattice: Plaquette valence-bond crystal versus dimerized color-ordered state. Physical Review B, 2013, 87, .	1.1	33

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91	Dynamical structure factors and excitation modes of the bilayer Heisenberg model. Physical Review B, 2015, 92, .	1.1	33
92	Thermodynamic properties of highly frustrated quantum spin ladders: Influence of many-particle bound states. Physical Review B, 2016, 93, .	1.1	33
93	Identification of an RVB liquid phase in a quantum dimer model with competing kinetic terms. Physical Review B, 2006, 74, .	1.1	32
94	Tunneling and superconductivity of strongly repulsive electrons. Physical Review Letters, 1991, 67, 2379-2382.	2.9	31
95	S=12chain-boundary excitations in the Haldane phase of one-dimensionalS=1systems. Physical Review B, 1998, 58, 2407-2410.	1.1	31
96	Low-Dimensional SpinS=1/2System at the Quantum Critical Limit:Na2V3O7. Physical Review Letters, 2003, 90, 167202.	2.9	31
97	Field-induced effects of anisotropic magnetic interactions in SrCu2(BO3)2. Journal of Physics Condensed Matter, 2005, 17, L61-L68.	0.7	31
98	Exchange integrals of vanadates as revealed by magnetic-susceptibility measurements ofNaV2O5. Physical Review B, 1996, 54, 11925-11928.	1.1	30
99	Dynamics of the quantum dimer model on the triangular lattice: Soft modes and local resonating valence-bond correlations. Physical Review B, 2006, 74, .	1.1	30
100	Theory of the Field-Induced BEC in the Frustrated Spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:math>Dimer Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaCuSi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review Lette	2.9	29
101	Dimerization transitions in spin-1 chains. Physical Review B, 2016, 93, .	1.1	29
102	Spin dynamics in theLa1.85Sr0.15Cu1âˆ'xFexO4system probed by ESR. Physical Review B, 1993, 48, 4019-4029.	1.1	28
103	Phase diagram of theS=12frustrated coupled ladder system. Physical Review B, 1997, 56, R5736-R5739.	1.1	28
104	First-principles investigation of symmetric and antisymmetric exchange interactions of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrCu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m Physical Review B, 2008, 78, .	1.1	28
105	Pressure-induced ground state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">CuSb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:math>. Physical Review B,	1.1	27
106	Disorder-Driven Spin-Orbital Liquid Behavior in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:m mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Physical Review Letters, 2015, 115, 147202.	2.9	27
107	Competition between intermediate plaquette phases in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrCu</mml:mi><mml:mn>2</mml:mn></mml:msub></ (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi) Tj ETQq1 1 0.784314 rgBT /O under pressure. Physical Review B, 2019, 100, .	1.1	27
108	Residual entropy and spin gap in a one-dimensional frustrated antiferromagnet. Physical Review B, 1999, 59, 13806-13809.	1.1	26

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109	Plaquette order in the SU(6) Heisenberg model on the honeycomb lattice. Physical Review B, 2016, 93, .	1.1	26
110	Weak antiferromagnetism and dimer order in quantum systems of coupled tetrahedra. Physical Review B, 2004, 70, .	1.1	25
111	Elementary Excitations of the Symmetric Spin-Orbital Model: TheXYLimit. Physical Review Letters, 1999, 82, 3697-3700.	2.9	24
112	Quantum dimer model on the triangular lattice: Semiclassical and variational approaches to vison dispersion and condensation. Physical Review B, 2008, 77, .	1.1	24
113	Semiclassical approach to ground-state properties of hard-core bosons in two dimensions. Physical Review B, 2012, 85, .	1.1	24
114	Efficient Quantum Monte Carlo simulations of highly frustrated magnets: the frustrated spin-1/2 ladder. SciPost Physics, 2017, 3, .	1.5	24
115	Theory of the optical conductivity of (TMTSF)2PF6in the midinfrared range. Physical Review B, 1996, 54, 10425-10429.	1.1	23
116	Mechanisms for spin supersolidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>spin-dimer antiferromagnets. Physical Review B, 2008, 78, .	1.1	23
117	Realization of higher Wess-Zumino-Witten models in spin chains. Physical Review B, 2013, 87, .	1.1	23
118	Quantum dimer model for the spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Z</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:m liquid. Physical Review B, 2014, 90, .	1.1	23
119	Spontaneous dimerization, critical lines, and short-range correlations in a frustrated spin-1 chain. Physical Review B, 2016, 94, .	1.1	23
120	Thermal Critical Points and Quantum Critical End Point in the Frustrated Bilayer Heisenberg Antiferromagnet. Physical Review Letters, 2018, 121, 127201.	2.9	23
121	Discovery of quantum phases in the Shastry-Sutherland compound SrCu2(BO3)2 under extreme conditions of field and pressure. Nature Communications, 2022, 13, 2301.	5.8	23
122	Field-induced gap in ordered Heisenberg antiferromagnets. Physical Review B, 2004, 70, .	1.1	22
123	Finite-temperature properties of frustrated classical spins coupled to the lattice. Physical Review B, 2005, 72, .	1.1	22
124	Spinon deconfinement in doped frustrated quantum antiferromagnets. Physical Review B, 2006, 73, .	1.1	22
125	Theory of inelastic light scattering in spin-1 systems: Resonant regimes and detection of quadrupolar order. Physical Review B, 2011, 84, .	1.1	22
126	Excitation spectrum and density matrix renormalization group iterations. Physical Review B, 2017, 96, .	1.1	22

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127	Kibble-Zurek exponent and chiral transition of the period-4 phase of Rydberg chains. Nature Communications, 2021, 12, 414.	5.8	22
128	Dzyaloshinsky-Moriya-induced order in the spin-liquid phase of theS=1âˆ•2pyrochlore antiferromagnet. Physical Review B, 2005, 72, .	1.1	21
129	Frustration-induced plateaus in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>â‰¥</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>Heisenberg spin ladders. Physical Review B, 2010, 81, .	1.1	21
130	Angle-Resolved Photoemission Spectroscopy of Tetragonal CuO: Evidence for Intralayer Coupling Between Cupratelike Sublattices. Physical Review Letters, 2014, 113, 187001.	2.9	21
131	Variational Monte Carlo investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">SU</mml:mi><mml:mo>(</mml:mo><mml:mi>N</mml:mi><mml:mo>)</mml:mo></mml:math>Heisenberg chains. Physical Review B, 2015, 91, .	1.1	21
132	Thermodynamic properties of the Shastry-Sutherland model from quantum Monte Carlo simulations. Physical Review B, 2018, 98, .	1.1	21
133	New copper(II)â€“lone electron pair elementsâ€“oxyhalides compounds: syntheses, crystal structures, and magnetic properties. Solid State Ionics, 2001, 141-142, 559-565.	1.3	20
134	Absence of effective spins12induced by nonmagnetic impurities in a class of low-dimensional magnets. Physical Review B, 2002, 65, .	1.1	20
135	Tetramerization of a Frustrated Spin-1/2Chain. Physical Review Letters, 2003, 91, 067202.	2.9	20
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303	From <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">SU</mml:mi><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>)</mml:mo></mml:mrow><mml:mn>5 to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">SU</mml:mi><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>)</mml:mo></mml:mrow><mml:mn>3 Wess-Zumino-Witten transitions in a frustrated spin- <. Physical Review B, 2022, 105, .	1.1	0