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	Quantum Monte Carlo simulations in the trimer basis: first-order transitions and thermal critical points in frustrated trilayer magnets. SciPost Physics, 2022, 12, .	1.5	12
2	Commensurate-incommensurate transition in the chiral Ashkin-Teller model. Physical Review Research, 2022, 4, .	1.3	9
3	Quantum Monte Carlo simulations of highly frustrated magnets in a cluster basis: The two-dimensional Shastry-Sutherland model. Journal of Physics: Conference Series, 2022, 2207, 012032.	0.3	1
4	Possibility to detect the bound state of the Heisenberg ferromagnetic chain at intermediate temperature. Physical Review B, 2022, 105, .	1.1	4
5	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
6	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</mml:mn></mml:msub></mml:math> 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</mml:mn></mml:msub></mml:math> Wess-Zumino-Witten transitions in a frustrated spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> chain. Physical Review B, 2022, 105, .	1.1	0
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Heise	2.9	7
8	Solving frustrated Ising models using tensor networks. Physical Review Research, 2021, 3, .	1.3	11
9	Direct observation of spin correlations in an artificial triangular lattice Ising spin system with grazing-incidence small-angle neutron scattering. Nanoscale Horizons, 2021, 6, 474-481.	4.1	5
10	Kibble-Zurek exponent and chiral transition of the period-4 phase of Rydberg chains. Nature Communications, 2021, 12, 414.	5.8	22
11	Probing the topology of the quantum analog of a classical skyrmion. Physical Review B, 2021, 103, .	1.1	19
12	Identifying the Huse-Fisher universality class of the three-state chiral Potts model. Nuclear Physics B, 2021, 965, 115365.	0.9	9
13	Lifshitz point at commensurate melting of chains of Rydberg atoms. Physical Review Research, 2021, 3, .	1.3	15
14	A quantum magnetic analogue to the critical point of water. Nature, 2021, 592, 370-375.	13.7	49
15	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. Physical Review Research, 2021, 3, .	1.3	10
16	State selective cooling of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SU</mml:mi><mml:mo>(</mml:mo><mml:mi>N</mml:mi></mml:m Fermi gases. Physical Review A, 2021, 104, .	1.0	1
17	Artificial out-of-plane Ising antiferromagnet on the kagome lattice with very small farther-neighbor couplings. Physical Review B, 2021, 104, .	1.1	10
18	Edge states and universality class of the critical two-box symmetric SU(3) chain. Physical Review B, 2021, 104, .	1.1	3

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19	Haldane Gap of the Three-Box Symmetric SU(3) Chain. Physical Review Letters, 2020, 125, 057202.	2.9	6
20	Reduction of the sign problem near T=0 in quantum Monte Carlo simulations. Physical Review B, 2020, 102, .	1.1	3
21	Floating, critical, and dimerized phases in a frustrated spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>3</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml chain. Physical Review B, 2020, 101, .	1.1	6
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrCu</mml:mi><mml:mn>2</mml:mn></mml:mn></mml under pressure: A first-principles study. Physical Review B, 2020, 101, .	1.1	6
23	Magnetic-Field-Induced Bound States in 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> Ladders. Physical Review Letters, 2020, 124, 087203.	2.9	5
24	Spinon confinement and deconfinement in spin-1 chains. Physical Review B, 2020, 101, .	1.1	11
25	Perturbative approach to tunneling and quantum interferences in spin clusters. Physical Review B, 2020, 101, .	1.1	0
26	Generalization of the Haldane conjecture to SU(n) chains. Nuclear Physics B, 2020, 952, 114932.	0.9	12
27	Multiple Magnetic Bilayers and Unconventional Criticality without Frustration in <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:mtext>C</mml:mtext><mml:mtext>u</mml:mtex mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml Physical Review Letters, 2020, 124, 177205.	2.9	9
28	Time-reversal symmetry breaking Abelian chiral spin liquid in Mott phases of three-component fermions on the triangular lattice. Physical Review Research, 2020, 2, .	1.3	8
29	Spin-$rac{1}{2}$ kagome Heisenberg antiferromagnet with strong breathing anisotropy. SciPost Physics, 2020, 9, .	1.5	5
30	Dimensional crossover in the SU(4) Heisenberg model in the six-dimensional antisymmetric self-conjugate representation revealed by quantum Monte Carlo and linear flavor-wave theory. Physical Review B, 2019, 100, .	1.1	10
31	Novel families of SU(N) AKLT states with arbitrary self-conjugate edge states. Nuclear Physics B, 2019, 945, 114663.	0.9	12
32	Asymptotic Freedom and Large Spin Antiferromagnetic Chains. Physical Review Letters, 2019, 123, 037202.	2.9	4
33	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	14
34	Exploring the Kondo Effect of an Extended Impurity with Chains of Co Adatoms in a Magnetic Field. Physical Review Letters, 2019, 123, 176601.	2.9	8
35	Floating Phase versus Chiral Transition in a 1D Hard-Boson Model. Physical Review Letters, 2019, 122, 017205.	2.9	37
36	Self-conjugate representation SU(3) chains. Physical Review B, 2019, 100, .	1.1	6

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37	Emergent bound states and impurity pairs in chemically doped Shastry-Sutherland system. Nature Communications, 2019, 10, 2439.	5.8	12
38	Dimerization and effective decoupling in two spin-1 generalizations of 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 Majumdar-Ghosh chain. Physical Review B, 2019, 100, .	1.1	6
39	Thermodynamic properties of the Shastry-Sutherland model throughout the dimer-product phase. Physical Review Research, 2019, 1, .	1.3	39
40	DMRG investigation of constrained models: from quantum dimer and quantum loop ladders to hard-boson and Fibonacci anyon chains. SciPost Physics, 2019, 6, .	1.5	17
41	Microscopic theory of the nearest-neighbor valence bond sector of 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 kagome antiferromagnet. Physical Review B, 2018, 97, .	1.1	19
42	Infinite coherence time of edge spins in finite-length chains. Physical Review B, 2018, 97, .	1.1	8
43	Density matrix renormalization group simulations of SU(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 512 Td (xmlns:mml chains using standard Young tableaus: Fundamental representation and comparison with a finite-size Bethe ansatz. Physical Review B, 2018, 97, .	1.1	19
44	Spin dynamics of coupled spin ladders near quantum criticality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:mn></mml:mn></mml Physical Review B, 2018, 98, .	1.1	11
45	Thermodynamic properties of the Shastry-Sutherland model from quantum Monte Carlo simulations. Physical Review B, 2018, 98, .	1.1	21
46	Thermal Critical Points and Quantum Critical End Point in the Frustrated Bilayer Heisenberg Antiferromagnet. Physical Review Letters, 2018, 121, 127201.	2.9	23
47	Rigorous decoupling between edge states in frustrated spin chains and ladders. Physical Review B, 2018, 97, .	1.1	6
48	Spin-liquid behaviour and the interplay between Pokrovsky-Talapov and Ising criticality in the distorted, triangular-lattice, dipolar Ising antiferromagnet. , 2018, 5, .		7
49	Numerically exploring the 1D-2D dimensional crossover on spin dynamics in the doped Hubbard model. Physical Review B, 2017, 96, .	1.1	14
50	Exact diagonalization of SU(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 237 Td (xmlns:mml="http://www.w3.org/1998/Math/Ma and Affleck-Kennedy-Lieb-Tasaki chains using the full SU(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td (xmlns:mml="http:// Physical Review B, 2017, 96, .	1.1	10
51	Excitation spectrum and density matrix renormalization group iterations. Physical Review B, 2017, 96, .	1.1	22
52	Exact zero modes in frustrated Haldane chains. Physical Review B, 2017, 96, .	1.1	6
53	Cu-Sb dumbbell arrangement in the spin-orbital liquid candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:mn></mml mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	1.1	4
54	Linear flavor-wave theory for fully antisymmetric SU(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (xmlns:mml="http://www. representations. Physical Review B, 2017, 96, .	1.1	16

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55	Generalization of the Haldane conjecture to SU(3) chains. Nuclear Physics B, 2017, 924, 508-577.	0.9	40
56	Level crossings induced by a longitudinal coupling in the transverse field Ising chain. Physical Review B, 2017, 95, .	1.1	13
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><m Crystals. Physical Review Letters, 2017, 118, 257203.	2.9	54
58	Efficient Quantum Monte Carlo simulations of highly frustrated magnets: the frustrated spin-1/2 ladder. SciPost Physics, 2017, 3, .	1.5	24
59	Stabilization of the chiral phase of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SU</mml:mi><mml:mo>(</mml:mo><mml:mn>6</mml:mn> model on the honeycomb lattice with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>m</mml:mi></mml:math>particles per site for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>m</mml:mi></mml:math>larger than 1. P	1.0	5
60	Spontaneous dimerization, critical lines, and short-range correlations in a frustrated spin-1 chain. Physical Review B, 2016, 94, .	1.1	23
61	When Ising meets Majorana. Nature Physics, 2016, 12, 633-634.	6.5	5
62	Multi-triplet bound states and finite-temperature dynamics in highly frustrated quantum spin ladders. Physical Review B, 2016, 94, .	1.1	10
63	Chiral Spin Liquids in Triangular-Lattice<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 50 412 Td [stretchy="false" Gauge Fields. Physical Review Letters, 2016, 117, 167202.	2.9	38
64	Semiclassical theory of the magnetization process of the triangular lattice Heisenberg model. Physical Review B, 2016, 94, .	1.1	17
65	Thermodynamic properties of highly frustrated quantum spin ladders: Influence of many-particle bound states. Physical Review B, 2016, 93, .	1.1	33
66	Exact diagonalization of Heisenberg<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>chains in the fully symmetric and antisymmetric representations. Physical Review B, 2016, 93, .	1.1	20
67	Pressure dependence of the magnetization plateaus of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrCu</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2016, 93, .	1.1	10
68	Dimerization transitions in spin-1 chains. Physical Review B, 2016, 93, .	1.1	29
69	Plaquette order in the SU(6) Heisenberg model on the honeycomb lattice. Physical Review B, 2016, 93, .	1.1	26
70	Topological Aspects of Symmetry Breaking in Triangular-Lattice Ising Antiferromagnets. Physical Review Letters, 2016, 116, 197201.	2.9	17
71	Comment on â€œFrustration and multicriticality in the antiferromagnetic spin-1 chainâ€. Physical Review B, 2016, 94, .	1.1	12
72	Magnons in tetragonal CuO. Physical Review B, 2015, 92, .	1.1	10

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73	Dynamical structure factors and excitation modes of the bilayer Heisenberg model. Physical Review B, 2015, 92, .	1.1	33
74	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:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Ir</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>O</mml:mi></mml:mrow><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2015, 115, 147202.	2.9	27
75	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
76	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:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	44
77	Physical Origin of the Polarons in Zn-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrCu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mrow><mml:mi>BO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub> Physical Review Letters, 2015, 114, 056402.	2.9	2
78	Exact Ground States of Frustrated Spin-1 Ising-Heisenberg and Heisenberg Ladders in a Magnetic Field. Acta Physica Polonica A, 2014, 126, 24-25.	0.2	1
79	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 ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td (stretchy="false">) 127204.	2.9	46
80	Exact ground states of a 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 model on the Shastry-Sutherland lattice in a magnetic field. Physical Review B, 2014, 90, .	1.1	13
81	Semiclassical evidence of columnar order in the fully frustrated transverse-field Ising model on the square lattice. Physical Review B, 2014, 90, .	1.1	3
82	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
83	Quantum Paramagnetic 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, 2014, 90, .	1.1	27
84	Crystals of Bound States in the Magnetization Plateaus of the Shastry-Sutherland Model. Physical Review Letters, 2014, 112, 147203.	2.9	100
85	Angle-Resolved Photoemission Spectroscopy of Tetragonal CuO: Evidence for Intralayer Coupling Between Cupratelike Sublattices. Physical Review Letters, 2014, 113, 187001.	2.9	21
86	Anderson Tower of States and Nematic Order of Spin-1 Bosonic Atoms on a 2D Lattice. Physical Review Letters, 2014, 113, 200402.	2.9	10
87	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:mrow><mml:mo) Tj ETQq Fields up to 118Â T. Physical Review Letters, 2013, 111, 137204.	2.9	10
88	Zero-temperature Monte Carlo study of the noncoplanar phase of the classical bilinear-biquadratic Heisenberg model on the triangular lattice. Physical Review B, 2013, 88, .	1.1	5
89	Phase diagram of the spin-1 Heisenberg model with three-site interactions on the square lattice. Physical Review B, 2013, 88, .	1.1	16
90	Field-Induced Gap in the Spin-1/2 Heisenberg Chain Compound Cu-Pyrimidine Dinitrate: ESR Studies in Magnetic Fields up to 63 T. Journal of Low Temperature Physics, 2013, 170, 268-273.	0.6	4

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91	Incomplete Devilâ€™s Staircase in the Magnetization Curve 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) Tj ET Q q 2013, 110, 067210.	2.9	57
92	Quantum stabilization of classically unstable plateau structures. Physical Review B, 2013, 87, .	1.1	34
93	Intermediate magnetization plateaus in the 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>Ising-Heisenberg Spatially resolved magnetization in the Bose-Einstein condensed state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>: Evidence for imperfect frustration. Physical Review B, 2013, 87, .	1.1	13
94		1.1	15
95	Tensor network study of the Shastry-Sutherland model in zero magnetic field. Physical Review B, 2013, 87, .	1.1	110
96	Realization of higher Wess-Zumino-Witten models in spin chains. Physical Review B, 2013, 87, .	1.1	23
97	Iterative deconvolution of quadrupole split NMR spectra. European Physical Journal B, 2013, 86, 1.	0.6	3
98	Competition between three-sublattice order and superfluidity in the quantum three-state Potts model of ultracold bosons and fermions on a square optical lattice. Physical Review B, 2013, 88, .	1.1	2
99	Berry phase investigation of spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi></mml:math>ladders. Physical Review B, 2013, 88, .	1.1	13
100	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
101	Evidence for Columnar Order in the Fully Frustrated Transverse Field Ising Model on the Square Lattice. Physical Review Letters, 2012, 109, 187202.	2.9	15
102	Anticollinear magnetic order induced by impurities in the frustrated Heisenberg model of pnictides. Physical Review B, 2012, 86, .	1.1	11
103	Three-sublattice order in the SU(3) Heisenberg model on the square and triangular lattice. Physical Review B, 2012, 85, .	1.1	78
104	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
105	Degeneracy and ordering of the noncoplanar phase of the classical bilinear-biquadratic Heisenberg model on the triangular lattice. Physical Review B, 2012, 85, .	1.1	4
106	Simplex solids in SU(N) Heisenberg models on the kagome and checkerboard lattices. Physical Review B, 2012, 86, .	1.1	49
107	Spin-wave analysis of the transverse-field Ising model on the checkerboard lattice. Physical Review B, 2012, 85, .	1.1	17
108	Spin-Orbital Quantum Liquid on the Honeycomb Lattice. Physical Review X, 2012, 2, .	2.8	138

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109	Entropy Dependence of Correlations in One-DimensionalSU(N)Antiferromagnets. Physical Review Letters, 2012, 109, 205306.	2.9	43
110	Semiclassical approach to ground-state properties of hard-core bosons in two dimensions. Physical Review B, 2012, 85, .	1.1	24
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