

Frederic Mila

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.

289
papers

8,661
citations

52
h-index

79
g-index

309
ext. papers

9,555
ext. citations

4.3
avg, IF

6.22
L-index

#	Paper	IF	Citations
289	Quantum Monte Carlo simulations of highly frustrated magnets in a cluster basis: The two-dimensional Shastry-Sutherland model. <i>Journal of Physics: Conference Series</i> , 2022 , 2207, 012032	0.3	0
288	Discovery of quantum phases in the Shastry-Sutherland compound SrCu(BO) under extreme conditions of field and pressure.. <i>Nature Communications</i> , 2022 , 13, 2301	17.4	2
287	Identifying the Huse-Fisher universality class of the three-state chiral Potts model. <i>Nuclear Physics B</i> , 2021 , 965, 115365	2.8	1
286	Lifshitz point at commensurate melting of chains of Rydberg atoms. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
285	A quantum magnetic analogue to the critical point of water. <i>Nature</i> , 2021 , 592, 370-375	50.4	9
284	State selective cooling of SU(N) Fermi gases. <i>Physical Review A</i> , 2021 , 104,	2.6	1
283	Solving frustrated Ising models using tensor networks. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
282	Direct observation of spin correlations in an artificial triangular lattice Ising spin system with grazing-incidence small-angle neutron scattering. <i>Nanoscale Horizons</i> , 2021 , 6, 474-481	10.8	2
281	Kibble-Zurek exponent and chiral transition of the period-4 phase of Rydberg chains. <i>Nature Communications</i> , 2021 , 12, 414	17.4	4
280	Probing the topology of the quantum analog of a classical skyrmion. <i>Physical Review B</i> , 2021 , 103,	3.3	2
279	Floating, critical, and dimerized phases in a frustrated spin-32 chain. <i>Physical Review B</i> , 2020 , 101,	3.3	2
278	SrCu ₂ (BO ₃) ₂ under pressure: A first-principles study. <i>Physical Review B</i> , 2020 , 101,	3.3	1
277	Magnetic-Field-Induced Bound States in Spin-1/2 Ladders. <i>Physical Review Letters</i> , 2020 , 124, 087203	7.4	2
276	Spinon confinement and deconfinement in spin-1 chains. <i>Physical Review B</i> , 2020 , 101,	3.3	3
275	Generalization of the Haldane conjecture to SU(n) chains. <i>Nuclear Physics B</i> , 2020 , 952, 114932	2.8	5
274	Multiple Magnetic Bilayers and Unconventional Criticality without Frustration in BaCuSi ₂ O ₆ . <i>Physical Review Letters</i> , 2020 , 124, 177205	7.4	3
273	Time-reversal symmetry breaking Abelian chiral spin liquid in Mott phases of three-component fermions on the triangular lattice. <i>Physical Review Research</i> , 2020 , 2,	3.9	3

272	Haldane Gap of the Three-Box Symmetric SU(3) Chain. <i>Physical Review Letters</i> , 2020 , 125, 057202	7.4	3
271	Exploring the Kondo Effect of an Extended Impurity with Chains of Co Adatoms in a Magnetic Field. <i>Physical Review Letters</i> , 2019 , 123, 176601	7.4	2
270	Floating Phase versus Chiral Transition in a 1D Hard-Boson Model. <i>Physical Review Letters</i> , 2019 , 122, 017205	7.4	15
269	Self-conjugate representation SU(3) chains. <i>Physical Review B</i> , 2019 , 100,	3.3	4
268	Emergent bound states and impurity pairs in chemically doped Shastry-Sutherland system. <i>Nature Communications</i> , 2019 , 10, 2439	17.4	6
267	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. <i>Physical Review B</i> , 2019 , 100,	3.3	4
266	Novel families of SU(N) AKLT states with arbitrary self-conjugate edge states. <i>Nuclear Physics B</i> , 2019 , 945, 114663	2.8	8
265	Asymptotic Freedom and Large Spin Antiferromagnetic Chains. <i>Physical Review Letters</i> , 2019 , 123, 037202	7.4	3
264	Competition between intermediate plaquette phases in SrCu ₂ (BO ₃) ₂ under pressure. <i>Physical Review B</i> , 2019 , 100,	3.3	12
263	Thermodynamic properties of the Shastry-Sutherland model throughout the dimer-product phase. <i>Physical Review Research</i> , 2019 , 1,	3.9	20
262	DMRG investigation of constrained models: from quantum dimer and quantum loop ladders to hard-boson and Fibonacci anyon chains. <i>SciPost Physics</i> , 2019 , 6,	6.1	11
261	Dimerization and effective decoupling in two spin-1 generalizations of the spin-12 Majumdar-Ghosh chain. <i>Physical Review B</i> , 2019 , 100,	3.3	1
260	Microscopic theory of the nearest-neighbor valence bond sector of the spin-12 kagome antiferromagnet. <i>Physical Review B</i> , 2018 , 97,	3.3	14
259	Infinite coherence time of edge spins in finite-length chains. <i>Physical Review B</i> , 2018 , 97,	3.3	5
258	Density matrix renormalization group simulations of SU(N) Heisenberg chains using standard Young tableaux: Fundamental representation and comparison with a finite-size Bethe ansatz. <i>Physical Review B</i> , 2018 , 97,	3.3	13
257	Spin-liquid behaviour and the interplay between Pokrovsky-Talapov and Ising criticality in the distorted, triangular-lattice, dipolar Ising antiferromagnet 2018 , 5,		3
256	Spin dynamics of coupled spin ladders near quantum criticality in Ba ₂ CuTeO ₆ . <i>Physical Review B</i> , 2018 , 98,	3.3	5
255	Thermodynamic properties of the Shastry-Sutherland model from quantum Monte Carlo simulations. <i>Physical Review B</i> , 2018 , 98,	3.3	9

254	Thermal Critical Points and Quantum Critical End Point in the Frustrated Bilayer Heisenberg Antiferromagnet. <i>Physical Review Letters</i> , 2018 , 121, 127201	7.4	10
253	Rigorous decoupling between edge states in frustrated spin chains and ladders. <i>Physical Review B</i> , 2018 , 97,	3.3	3
252	Numerically exploring the 1D-2D dimensional crossover on spin dynamics in the doped Hubbard model. <i>Physical Review B</i> , 2017 , 96,	3.3	10
251	Exact diagonalization of SU(N) Heisenberg and Affleck-Kennedy-Lieb-Tasaki chains using the full SU(N) symmetry. <i>Physical Review B</i> , 2017 , 96,	3.3	6
250	Excitation spectrum and density matrix renormalization group iterations. <i>Physical Review B</i> , 2017 , 96,	3.3	13
249	Exact zero modes in frustrated Haldane chains. <i>Physical Review B</i> , 2017 , 96,	3.3	3
248	Cu-Sb dumbbell arrangement in the spin-orbital liquid candidate Ba ₃ CuSb ₂ O ₉ . <i>Physical Review B</i> , 2017 , 96,	3.3	2
247	Linear flavor-wave theory for fully antisymmetric SU(N) irreducible representations. <i>Physical Review B</i> , 2017 , 96,	3.3	10
246	Generalization of the Haldane conjecture to SU(3) chains. <i>Nuclear Physics B</i> , 2017 , 924, 508-577	2.8	29
245	Level crossings induced by a longitudinal coupling in the transverse field Ising chain. <i>Physical Review B</i> , 2017 , 95,	3.3	7
244	Controlling the Topological Sector of Magnetic Solitons in Exfoliated Cr _{1/3} NbS ₂ Crystals. <i>Physical Review Letters</i> , 2017 , 118, 257203	7.4	37
243	Real-Time Monitoring of Nanoscale Polarization Switching. <i>Physics Magazine</i> , 2017 , 10,	1.1	3
242	Efficient Quantum Monte Carlo simulations of highly frustrated magnets: the frustrated spin-1/2 ladder. <i>SciPost Physics</i> , 2017 , 3,	6.1	15
241	Stabilization of the chiral phase of the SU(6 _m) Heisenberg model on the honeycomb lattice with m particles per site for m larger than 1. <i>Physical Review A</i> , 2016 , 94,	2.6	5
240	Semiclassical theory of the magnetization process of the triangular lattice Heisenberg model. <i>Physical Review B</i> , 2016 , 94,	3.3	11
239	Thermodynamic properties of highly frustrated quantum spin ladders: Influence of many-particle bound states. <i>Physical Review B</i> , 2016 , 93,	3.3	22
238	Exact diagonalization of Heisenberg SU(N) chains in the fully symmetric and antisymmetric representations. <i>Physical Review B</i> , 2016 , 93,	3.3	14
237	Pressure dependence of the magnetization plateaus of SrCu ₂ (BO ₃) ₂ . <i>Physical Review B</i> , 2016 , 93,	3.3	7

236	Dimerization transitions in spin-1 chains. <i>Physical Review B</i> , 2016 , 93,	3-3	19
235	Plaquette order in the SU(6) Heisenberg model on the honeycomb lattice. <i>Physical Review B</i> , 2016 , 93,	3-3	22
234	Topological Aspects of Symmetry Breaking in Triangular-Lattice Ising Antiferromagnets. <i>Physical Review Letters</i> , 2016 , 116, 197201	7-4	10
233	Comment on Frustration and multicriticality in the antiferromagnetic spin-1 chain \square <i>Physical Review B</i> , 2016 , 94,	3-3	10
232	Spontaneous dimerization, critical lines, and short-range correlations in a frustrated spin-1 chain. <i>Physical Review B</i> , 2016 , 94,	3-3	18
231	Multi-triplet bound states and finite-temperature dynamics in highly frustrated quantum spin ladders. <i>Physical Review B</i> , 2016 , 94,	3-3	8
230	Chiral Spin Liquids in Triangular-Lattice SU(N) Fermionic Mott Insulators with Artificial Gauge Fields. <i>Physical Review Letters</i> , 2016 , 117, 167202	7-4	26
229	Evidence of quantum dimer excitations in Sr3Ir2O7. <i>Physical Review B</i> , 2015 , 92,	3-3	38
228	Real space imaging of spin polarons in Zn-doped SrCu(2)(BO(3))(2). <i>Physical Review Letters</i> , 2015 , 114, 056402	7-4	2
227	Magnons in tetragonal CuO. <i>Physical Review B</i> , 2015 , 92,	3-3	8
226	Dynamical structure factors and excitation modes of the bilayer Heisenberg model. <i>Physical Review B</i> , 2015 , 92,	3-3	27
225	Disorder-Driven Spin-Orbital Liquid Behavior in the Ba3XSb2O9 Materials. <i>Physical Review Letters</i> , 2015 , 115, 147202	7-4	24
224	Variational Monte Carlo investigation of SU(N) Heisenberg chains. <i>Physical Review B</i> , 2015 , 91,	3-3	16
223	Crystals of bound states in the magnetization plateaus of the Shastry-Sutherland model. <i>Physical Review Letters</i> , 2014 , 112, 147203	7-4	64
222	Angle-resolved photoemission spectroscopy of tetragonal CuO: evidence for intralayer coupling between cupratelike sublattices. <i>Physical Review Letters</i> , 2014 , 113, 187001	7-4	16
221	Anderson tower of states and nematic order of spin-1 bosonic atoms on a 2D lattice. <i>Physical Review Letters</i> , 2014 , 113, 200402	7-4	8
220	Exact Ground States of Frustrated Spin-1 Ising-Heisenberg and Heisenberg Ladders in a Magnetic Field. <i>Acta Physica Polonica A</i> , 2014 , 126, 24-25	0.6	0
219	Exact Diagonalization of Heisenberg SU(N) models. <i>Physical Review Letters</i> , 2014 , 113, 127204	7-4	31

218	Exact ground states of a spin-12 Ising-Heisenberg model on the Shastry-Sutherland lattice in a magnetic field. <i>Physical Review B</i> , 2014 , 90,	3-3	9
217	Semiclassical evidence of columnar order in the fully frustrated transverse-field Ising model on the square lattice. <i>Physical Review B</i> , 2014 , 90,	3-3	1
216	Quantum dimer model for the spin-12 kagome Z2 spin liquid. <i>Physical Review B</i> , 2014 , 90,	3-3	23
215	Exploring the spin-orbital ground state of Ba ₃ CuSb ₂ O ₉ . <i>Physical Review B</i> , 2014 , 90,	3-3	23
214	Magnetization of SrCu ₂ (BO ₃) ₂ in ultrahigh magnetic fields up to 118 T. <i>Physical Review Letters</i> , 2013 , 111, 137204	7-4	84
213	Zero-temperature Monte Carlo study of the noncoplanar phase of the classical bilinear-biquadratic Heisenberg model on the triangular lattice. <i>Physical Review B</i> , 2013 , 88,	3-3	4
212	Phase diagram of the spin-1 Heisenberg model with three-site interactions on the square lattice. <i>Physical Review B</i> , 2013 , 88,	3-3	13
211	Field-Induced Gap in the Spin-1/2 Heisenberg Chain Compound Cu-Pyrimidine Dinitrate: ESR Studies in Magnetic Fields up to 63 T. <i>Journal of Low Temperature Physics</i> , 2013 , 170, 268-273	1-3	4
210	Incomplete devil's staircase in the magnetization curve of SrCu ₂ (BO ₃) ₂ . <i>Physical Review Letters</i> , 2013 , 110, 067210	7-4	42
209	Quantum stabilization of classically unstable plateau structures. <i>Physical Review B</i> , 2013 , 87,	3-3	26
208	Intermediate magnetization plateaus in the spin-12 Ising-Heisenberg and Heisenberg models on two-dimensional triangulated lattices. <i>Physical Review B</i> , 2013 , 87,	3-3	12
207	Spatially resolved magnetization in the Bose-Einstein condensed state of BaCuSi ₂ O ₆ : Evidence for imperfect frustration. <i>Physical Review B</i> , 2013 , 87,	3-3	12
206	Tensor network study of the Shastry-Sutherland model in zero magnetic field. <i>Physical Review B</i> , 2013 , 87,	3-3	73
205	Realization of higher Wess-Zumino-Witten models in spin chains. <i>Physical Review B</i> , 2013 , 87,	3-3	19
204	Iterative deconvolution of quadrupole split NMR spectra. <i>European Physical Journal B</i> , 2013 , 86, 1	1-2	3
203	Competition between three-sublattice order and superfluidity in the quantum three-state Potts model of ultracold bosons and fermions on a square optical lattice. <i>Physical Review B</i> , 2013 , 88,	3-3	2
202	Berry phase investigation of spin-S ladders. <i>Physical Review B</i> , 2013 , 88,	3-3	10
201	Competing states in the SU(3) Heisenberg model on the honeycomb lattice: Plaquette valence-bond crystal versus dimerized color-ordered state. <i>Physical Review B</i> , 2013 , 87,	3-3	26

200	Entropy dependence of correlations in one-dimensional SU(N) antiferromagnets. <i>Physical Review Letters</i> , 2012 , 109, 205306	7.4	38
199	Semiclassical approach to ground-state properties of hard-core bosons in two dimensions. <i>Physical Review B</i> , 2012 , 85,	3.3	21
198	Antiferromagnetic spin-S chains with exactly dimerized ground states. <i>Physical Review Letters</i> , 2012 , 108, 127202	7.4	33
197	Evidence for columnar order in the fully frustrated transverse field Ising model on the square lattice. <i>Physical Review Letters</i> , 2012 , 109, 187202	7.4	11
196	Anticollinear magnetic order induced by impurities in the frustrated Heisenberg model of pnictides. <i>Physical Review B</i> , 2012 , 86,	3.3	8
195	Three-sublattice order in the SU(3) Heisenberg model on the square and triangular lattice. <i>Physical Review B</i> , 2012 , 85,	3.3	65
194	Competition between two- and three-sublattice ordering for S=1 spins on the square lattice. <i>Physical Review B</i> , 2012 , 85,	3.3	45
193	Degeneracy and ordering of the noncoplanar phase of the classical bilinear-biquadratic Heisenberg model on the triangular lattice. <i>Physical Review B</i> , 2012 , 85,	3.3	4
192	Simplex solids in SU(N) Heisenberg models on the kagome and checkerboard lattices. <i>Physical Review B</i> , 2012 , 86,	3.3	38
191	Spin-wave analysis of the transverse-field Ising model on the checkerboard lattice. <i>Physical Review B</i> , 2012 , 85,	3.3	15
190	Spin-Orbital Quantum Liquid on the Honeycomb Lattice. <i>Physical Review X</i> , 2012 , 2,	9.1	110
189	Field-induced gap in a quantum spin-1/2 chain in a strong magnetic field. <i>Physical Review B</i> , 2011 , 83,	3.3	18
188	Simultaneous dimerization and SU(4) symmetry breaking of 4-color fermions on the square lattice. <i>Physical Review Letters</i> , 2011 , 107, 215301	7.4	77
187	Magnetization Plateaus. <i>Springer Series in Solid-state Sciences</i> , 2011 , 241-267	0.4	8
186	Strong-Coupling Expansion and Effective Hamiltonians. <i>Springer Series in Solid-state Sciences</i> , 2011 , 537-559	0	0
185	Unconventional magnetization plateaus in a Shastry-Sutherland spin tube. <i>Europhysics Letters</i> , 2011 , 94, 67004	1.6	15
184	Phase diagram and continuous pair-unbinding transition of the bilinear-biquadratic S=1 Heisenberg chain in a magnetic field. <i>Physical Review B</i> , 2011 , 83,	3.3	29
183	Phase separation versus supersolid behavior in frustrated antiferromagnets. <i>Physical Review B</i> , 2011 , 83,	3.3	20

182	Condensate-free superfluid induced by the frustrated proximity effect. <i>Physical Review Letters</i> , 2011 , 107, 037203	7.4	10
181	Phase diagram of the fully frustrated transverse-field Ising model on the honeycomb lattice. <i>Physical Review B</i> , 2011 , 83,	3.3	12
180	Emergence of one-dimensional physics from the distorted Shastry-Sutherland lattice. <i>Physical Review B</i> , 2011 , 83,	3.3	7
179	Destruction of valence-bond order in a S=12 sawtooth chain with a Dzyaloshinskii-Moriya term. <i>Physical Review B</i> , 2011 , 84,	3.3	10
178	Theory of inelastic light scattering in spin-1 systems: Resonant regimes and detection of quadrupolar order. <i>Physical Review B</i> , 2011 , 84,	3.3	18
177	Effective spin model for the spin-liquid phase of the Hubbard model on the triangular lattice. <i>Physical Review Letters</i> , 2010 , 105, 267204	7.4	95
176	Chirality of triangular antiferromagnetic clusters as a qubit. <i>Physical Review Letters</i> , 2010 , 104, 200502	7.4	36
175	Frustration-induced plateaus in $S=2$ Heisenberg spin ladders. <i>Physical Review B</i> , 2010 , 81,	3.3	17
174	Three-sublattice ordering of the SU(3) Heisenberg model of three-flavor fermions on the square and cubic lattices. <i>Physical Review Letters</i> , 2010 , 105, 265301	7.4	76
173	Ferrimagnetism of the magnetoelectric compound Cu ₂ OSeO ₃ probed by ^{57}Fe NMR. <i>Physical Review B</i> , 2010 , 82,	3.3	69
172	Dzyaloshinskii-Moriya anisotropy and nonmagnetic impurities in the s=12 kagome system ZnCu ₃ (OH) ₆ Cl ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	49
171	Theory of the field-induced BEC in the frustrated spin-1/2 dimer compound BaCuSi ₂ O ₆ . <i>Physical Review Letters</i> , 2009 , 102, 060602	7.4	25
170	Orbital currents in extended Hubbard models of high-T _c cuprate superconductors. <i>Physical Review Letters</i> , 2009 , 102, 017005	7.4	91
169	Theory of the Raman spectra of the Shastry-Sutherland antiferromagnet SrCu ₂ (BO ₃) ₂ doped with nonmagnetic impurities. <i>Physical Review B</i> , 2009 , 80,	3.3	4
168	Torque anomalies at magnetization plateaux in quantum magnets with Dzyaloshinskii-Moriya interactions. <i>Europhysics Letters</i> , 2009 , 85, 27010	1.6	4
167	Spin-Peierls instabilities of antiferromagnetic rings in a magnetic field. <i>Physical Review B</i> , 2009 , 79,	3.3	9
166	Magnetization plateaux in an extended Shastry-Sutherland model. <i>Journal of Physics: Conference Series</i> , 2009 , 145, 012047	0.3	2
165	Theory of magnetization plateaux in the Shastry-Sutherland model. <i>Physical Review Letters</i> , 2008 , 101, 250402	7.4	55

164	First-principles investigation of symmetric and antisymmetric exchange interactions of SrCu ₂ (BO ₃) ₂ . <i>Physical Review B</i> , 2008 , 78,	3-3	24
163	Supersolid phase induced by correlated hopping in spin-1/2 frustrated quantum magnets. <i>Physical Review Letters</i> , 2008 , 100, 090401	7-4	48
162	Supersolid Phases of Hardcore Bosons on the Square Lattice: Correlated Hopping, Next-Nearest Neighbor Hopping and Frustration. <i>Progress of Theoretical Physics Supplement</i> , 2008 , 176, 355-374		7
161	Mechanisms for spin supersolidity in S=12 spin-dimer antiferromagnets. <i>Physical Review B</i> , 2008 , 78,	3-3	22
160	Quantum dimer model on the triangular lattice: Semiclassical and variational approaches to vison dispersion and condensation. <i>Physical Review B</i> , 2008 , 77,	3-3	24
159	Two-dimensional quantum antiferromagnet with a fourfold degenerate dimer ground state. <i>Physical Review B</i> , 2008 , 77,	3-3	12
158	Highly frustrated magnetic clusters: The kagome on a sphere. <i>Physical Review B</i> , 2008 , 77,	3-3	60
157	Ising phases of Heisenberg ladders in a magnetic field. <i>Physical Review Letters</i> , 2007 , 99, 117201	7-4	19
156	Wannier functions and exchange integrals: The example of LiCu ₂ O ₂ . <i>Physical Review B</i> , 2007 , 75,	3-3	52
155	Checkerboard order in the J model on the square lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 523-525	2-8	2
154	The emergence of resonating valence bond physics in spin-orbital models. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 145201	1-8	13
153	Exotic phenomena in doped quantum magnets. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 145205	1-8	2
152	Quantum and thermal transitions out of the supersolid phase of a 2D quantum antiferromagnet. <i>Physical Review Letters</i> , 2007 , 99, 027202	7-4	52
151	Uniform and staggered magnetizations induced by Dzyaloshinskii-Moriya interactions in isolated and coupled spin-1 dimers in a magnetic field. <i>Physical Review B</i> , 2007 , 75,	3-3	45
150	Crystallization of the resonating valence bond liquid as vortex condensation. <i>Physical Review B</i> , 2007 , 76,	3-3	17
149	Phase separation and flux quantization in the doped quantum dimer model on square and triangular lattices. <i>Physical Review Letters</i> , 2007 , 99, 127202	7-4	11
148	Static impurities in the S=3/2 kagome lattice: Exact diagonalization calculations on small clusters. <i>Physical Review B</i> , 2007 , 76,	3-3	9
147	Frustrated three-leg spin tubes: From spin 1 with chirality to spin 3/2. <i>Physical Review B</i> , 2006 , 73,	3-3	60

146	Spinon deconfinement in doped frustrated quantum antiferromagnets. <i>Physical Review B</i> , 2006 , 73,	3-3	22
145	Magnetism and superconductivity of strongly correlated electrons on the triangular lattice. <i>Physical Review B</i> , 2006 , 73,	3-3	36
144	Single-particle versus pair condensation of hard-core bosons with correlated hopping. <i>Physical Review B</i> , 2006 , 74,	3-3	35
143	Doping quantum dimer models on the square lattice. <i>Physical Review B</i> , 2006 , 74,	3-3	19
142	Field-induced staggered magnetization and magnetic ordering in $\text{Cu}_2(\text{C}_5\text{H}_{12}\text{N}_2)_2\text{Cl}_4$. <i>Physical Review Letters</i> , 2006 , 97, 167204	7-4	17
141	Orbital selective overlayer-substrate hybridization in a Pb monolayer on Ag(111). <i>Physical Review B</i> , 2006 , 73,	3-3	13
140	Dynamics of the quantum dimer model on the triangular lattice: Soft modes and local resonating valence-bond correlations. <i>Physical Review B</i> , 2006 , 74,	3-3	27
139	Identification of an RVB liquid phase in a quantum dimer model with competing kinetic terms. <i>Physical Review B</i> , 2006 , 74,	3-3	28
138	Condensation of magnons and spinons in a frustrated ladder. <i>Physical Review B</i> , 2006 , 73,	3-3	37
137	Plaquette valence-bond crystal in the frustrated Heisenberg quantum antiferromagnet on the square lattice. <i>Physical Review B</i> , 2006 , 74,	3-3	141
136	Electronic structure and exchange interactions of $\text{Na}_2\text{V}_3\text{O}_7$. <i>Physical Review B</i> , 2006 , 73,	3-3	33
135	Quadrupolar phases of the $s=1$ bilinear-biquadratic Heisenberg model on the triangular lattice. <i>Physical Review Letters</i> , 2006 , 97, 087205	7-4	189
134	Bond-order-modulated staggered-flux phase of the tJ model on a square lattice. <i>Physical Review B</i> , 2006 , 74,	3-3	9
133	High field properties of the frustrated 2D dimer spin system $\text{SrCu}_2(\text{BO}_3)_2$. <i>Journal of Physics: Conference Series</i> , 2006 , 51, 23-30	0-3	4
132	: An unusual low-dimensional quantum magnet. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 123-124	2-8	3
131	Interacting classical dimers on the square lattice. <i>Physical Review Letters</i> , 2005 , 94, 235702	7-4	82
130	Dynamic spin Jahn-Teller effect in small magnetic clusters. <i>European Physical Journal B</i> , 2005 , 47, 185-192	2	3
129	The Effects of Dzyaloshinsky-Moriya Interaction in the Orthogonal Dimer Heisenberg Model for $\text{SrCu}_2(\text{BO}_3)_2$. <i>Progress of Theoretical Physics Supplement</i> , 2005 , 159, 33-38		3

128	Dzyaloshinsky-Moriya-induced order in the spin-liquid phase of the $S=1/2$ pyrochlore antiferromagnet. <i>Physical Review B</i> , 2005 , 72,	3-3	19
127	Finite-temperature properties of frustrated classical spins coupled to the lattice. <i>Physical Review B</i> , 2005 , 72,	3-3	19
126	Quantum compass model on the square lattice. <i>Physical Review B</i> , 2005 , 72,	3-3	97
125	Unexpected periodicity in the quasi-two-dimensional Mott insulator $1T\text{-TaS}_2$ revealed by angle-resolved photoemission. <i>Physical Review B</i> , 2005 , 71,	3-3	56
124	Quantum dimer model with Z_2 liquid ground state: Interpolation between cylinder and disk topologies and toy model for a topological quantum bit. <i>Physical Review B</i> , 2005 , 71,	3-3	10
123	Unusual magnetic properties of the low-dimensional quantum magnet $\text{Na}_2\text{V}_3\text{O}_7$. <i>Physical Review B</i> , 2005 , 72,	3-3	19
122	Absence of single-particle Bose-Einstein condensation at low densities for bosons with correlated hopping. <i>Physical Review Letters</i> , 2005 , 95, 110406	7-4	13
121	Zero-temperature properties of the quantum dimer model on the triangular lattice. <i>Physical Review B</i> , 2005 , 71,	3-3	60
120	Field-induced effects of anisotropic magnetic interactions in $\text{SrCu}_2(\text{BO}_3)_2$. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, L61-L68	1-8	27
119	Patterns of symmetry breaking in systems of coupled tetrahedra. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S905-S910	1-8	5
118	The effects of intra-dimer Dzyaloshinsky-Moriya interaction on the properties of $\text{SrCu}_2(\text{BO}_3)_2$ in an external magnetic field. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S911-S916	1-8	9
117	Weak antiferromagnetism and dimer order in quantum systems of coupled tetrahedra. <i>Physical Review B</i> , 2004 , 70,	3-3	23
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