

Gang Su

List of Publications by Year in descending order

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251
papers

8,180
citations

66234

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56606

83
g-index

256
all docs

256
docs citations

256
times ranked

8260
citing authors

#	ARTICLE	IF	CITATIONS
1	The p -orbital magnetic topological states on a square lattice. National Science Review, 2022, 9, nwab114.	4.6	15
2	T-carbon: Experiments, properties, potential applications and derivatives. Nano Today, 2022, 42, 101346.	6.2	23
3	Enhanced superconductivity in C-S-H compounds at high pressure. Physical Review B, 2022, 105, .	1.1	2
4	Fundamental distinction between intrinsic and extrinsic nonlinear thermal Hall effects. Physical Review B, 2022, 105, .	1.1	6
5	Hexagonal warping induced nonlinear planar Nernst effect in nonmagnetic topological insulators. Physical Review B, 2021, 103, .	1.1	7
6	High-efficient <i>ab initio</i> Bayesian active learning method and applications in prediction of two-dimensional functional materials. Nanoscale, 2021, 13, 14694-14704.	2.8	9
7	Phase identification in many-body systems by virtual configuration binarization. Physical Review E, 2021, 103, 013313.	0.8	0
8	Visualizing quantum phases and identifying quantum phase transitions by nonlinear dimensional reduction. Physical Review B, 2021, 103, .	1.1	12
9	Two-dimensional topological superconductivity candidate in a van der Waals layered material. Physical Review B, 2021, 103, .	1.1	18
10	Electric field induced topological phase transition and large enhancements of spin-orbit coupling and Curie temperature in two-dimensional ferromagnetic semiconductors. Physical Review B, 2021, 103, .	1.1	33
11	The atlas of ferrocity in two-dimensional MGeX ₃ family: Room-temperature ferromagnetic half metals and unexpected ferroelectricity and ferroelasticity. Nano Research, 2021, 14, 4732-4739.	5.8	17
12	Spinor Boltzmann equation approach to domain-wall motion driven by spin-polarized current. Physical Review B, 2021, 103, .	1.1	0
13	Topological gimbals phonons in T -carbon. Physical Review B, 2021, 103, .	1.1	31
14	Entanglement-Based Feature Extraction by Tensor Network Machine Learning. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	8
15	Spin-polarized plasmon in ferromagnetic metals. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126043.	1.2	2
16	Domain wall motion driven by spin transfer torque from spin-polarized current. European Physical Journal B, 2021, 94, 1.	0.6	0
17	Theory of nonlinear response for charge and spin currents. Physical Review B, 2021, 104, .	1.1	6
18	Voting Data-Driven Regression Learning for Accelerating Discovery of Advanced Functional Materials and Applications to Two-Dimensional Ferroelectric Materials. Journal of Physical Chemistry Letters, 2021, 12, 973-981.	2.1	11

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19	Kagome quantum anomalous Hall effect with high Chern number and large band gap. <i>Physical Review B</i> , 2021, 103, .	1.1	17
20	Weak localization and crossover from Lifshitz transition in two dimensions. <i>Physical Review B</i> , 2021, 104, .	1.1	3
21	Ferroelectric and Room-Temperature Ferromagnetic Semiconductors in the 2D $M_{1-x}M_{II}Ge_2X_6$ Family: First-Principles and Machine Learning Investigations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10040-10051.	2.1	15
22	Emergent magnetic states due to stacking and strain in the van der Waals magnetic trilayer CrI_3 . <i>Physical Review B</i> , 2021, 104, .	1.1	11
23	Spin Seebeck effect driven by thermal flux in two-dimensional ferromagnets. <i>Journal of Applied Physics</i> , 2021, 130, 223902.	1.1	4
24	Preparation of T-carbon by plasma enhanced chemical vapor deposition. <i>Carbon</i> , 2020, 157, 270-276.	5.4	39
25	Boron based layered electrode materials for metal-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 709-715.	1.3	9
26	Compositional Engineering Study of Lead-Free Hybrid Perovskites for Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49636-49647.	4.0	31
27	Towards understanding physical origin of 2175Å extinction bump in interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2190-2200.	1.6	11
28	Identification of spin effects in the anomalous Righi-Leduc effect in ferromagnetic metals. <i>Scientific Reports</i> , 2020, 10, 11732.	1.6	1
29	Tangent-space gradient optimization of tensor network for machine learning. <i>Physical Review E</i> , 2020, 102, 012152.	0.8	5
30	Great enhancement of Curie temperature and magnetic anisotropy in two-dimensional van der Waals magnetic semiconductor heterostructures. <i>Physical Review B</i> , 2020, 102, .	1.1	34
31	Antiferromagnetic and Electric Polarized States in Two-Dimensional Janus Semiconductor $Fe_2Cl_3I_3$. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19219-19227.	1.5	15
32	Magnetization Reversal of Single-Molecular Magnets by a Spin-Polarized Current*. <i>Chinese Physics Letters</i> , 2020, 37, 087201.	1.3	1
33	Superconductivity in sodium-doped T-carbon. <i>Physical Review B</i> , 2020, 101, .	1.1	12
34	Reentrance of the topological phase in a spin-1 frustrated Heisenberg chain. <i>Physical Review B</i> , 2020, 101, .	1.1	5
35	Generative tensor network classification model for supervised machine learning. <i>Physical Review B</i> , 2020, 101, .	1.1	25
36	Tensor Network Contractions. <i>Lecture Notes in Physics</i> , 2020, , .	0.3	76

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37	Tensor Network Contraction and Multi-Linear Algebra. Lecture Notes in Physics, 2020, , 99-129.	0.3	1
38	Two-dimensional magnetic semiconductors with room Curie temperatures. Physical Review Research, 2020, 2, .	1.3	41
39	Recent Results on the 2D Hubbard, $t\text{-}J$ and Gossamer Models and Relevance to High-Temperature Superconductivity. Peking University-World Scientific Advanced Physics Series, 2020, , 347-367.	0.0	0
40	Tensor network compressed sensing with unsupervised machine learning. Physical Review Research, 2020, 2, .	1.3	8
41	Tensor Network Approaches for Higher-Dimensional Quantum Lattice Models. Lecture Notes in Physics, 2020, , 87-97.	0.3	1
42	Tensor Network: Basic Definitions and Properties. Lecture Notes in Physics, 2020, , 25-62.	0.3	0
43	Two-Dimensional Tensor Networks and Contraction Algorithms. Lecture Notes in Physics, 2020, , 63-86.	0.3	1
44	Two-dimensional Weyl half-semimetal and tunable quantum anomalous Hall effect. Physical Review B, 2019, 100, .	1.1	101
45	Strain-induced Room-Temperature Ferromagnetic Semiconductors with Large Anomalous Hall Conductivity in Two-Dimensional Cr_2Ge_2 . Physical Review Applied, 2019, 12, .	1.5	68
46	Accelerated Discovery of Two-Dimensional Optoelectronic Octahedral Oxyhalides via High-Throughput <i>Ab Initio</i> Calculations and Machine Learning. Journal of Physical Chemistry Letters, 2019, 10, 6734-6740.	2.1	40
47	Two-Dimensional Room-Temperature Ferromagnetic Semiconductors with Quantum Anomalous Hall Effect. Physical Review Applied, 2019, 12, .	1.5	60
48	Generalized spin-orbit torques in two-dimensional ferromagnets with spin-orbit coupling. European Physical Journal B, 2019, 92, 1.	0.6	9
49	Carbonyane: A nodal line topological carbon with $sp^2\text{-}sp^3$ chemical bonds. Carbon, 2019, 152, 909-914.	5.4	13
50	Topological nonlinear anomalous Nernst effect in strained transition metal dichalcogenides. Physical Review B, 2019, 99, .	1.1	44
51	Engineering single-atom dynamics with electron irradiation. Science Advances, 2019, 5, eaav2252.	4.7	61
52	Efficient quantum simulation for thermodynamics of infinite-size many-body systems in arbitrary dimensions. Physical Review B, 2019, 99, .	1.1	14
53	Noise-tolerant signature of ZN topological order in quantum many-body states. Physical Review B, 2019, 99, .	1.1	0
54	Exploring T-carbon for energy applications. Nanoscale, 2019, 11, 5798-5806.	2.8	38

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55	Transition from T^{-4} to T^{-1} behavior of conductivity and violation of Matthiessen's rule in p-type monolayer MoS2 from acoustic phonon scattering. Physical Review B, 2019, 99, .	1.1	1
56	Flat Band and Hole-induced Ferromagnetism in a Novel Carbon Monolayer. Scientific Reports, 2019, 9, 20116.	1.6	19
57	Unidirectional Seebeck effect in magnetic topological insulators. Physical Review B, 2019, 100, .	1.1	3
58	Two-dimensional magnetic metal-organic frameworks with the Shastry-Sutherland lattice. Chemical Science, 2019, 10, 10381-10387.	3.7	21
59	Emergent spin-1 trimerized valence bond crystal in the spin- $\frac{1}{2}$ Heisenberg model on the star lattice. Physical Review B, 2018, 97, .	1.4	18
60	Predicted Lead-Free Perovskites for Solar Cells. Chemistry of Materials, 2018, 30, 718-728.	3.2	102
61	Quantum Hall effect in ac driven graphene: From the half-integer to the integer case. Physical Review B, 2018, 97, .	1.1	15
62	Stable mixed group II (Ca, Sr) and XIV (Ge, Sn) lead-free perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 9220-9227.	5.2	55
63	Lithium adsorption and migration in group IV-VI compounds and GeS/graphene heterostructures: a comparative study. Physical Chemistry Chemical Physics, 2018, 20, 9865-9871.	1.3	14
64	CH ₃ NH ₃ PbI ₃ /GeSe bilayer heterojunction solar cell with high performance. Solar Energy, 2018, 159, 142-148.	2.9	27
65	Thermodynamics of spin-1/2 Kagomé Heisenberg antiferromagnet: algebraic paramagnetic liquid and finite-temperature phase diagram. Science Bulletin, 2018, 63, 1545-1550.	4.3	42
66	Exotic entanglement scaling of Heisenberg antiferromagnet on honeycomb lattice. European Physical Journal B, 2018, 91, 1.	0.6	0
67	Effect of the screened Coulomb disorder on magneto-transport in Weyl semimetals. Journal of Applied Physics, 2018, 123, .	1.1	8
68	Controlling the phase diagram of finite spin-1/2 chains by tuning the boundary interactions. Physical Review B, 2018, 98, .	1.1	2
69	Generalized Fourier law and anomalous Righi-Leduc effect in a ferromagnet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3115-3119.	0.9	3
70	Fermionic algebraic quantum spin liquid in an octa-kagome frustrated antiferromagnet. Physical Review B, 2017, 95, .	1.1	14
71	Thermal transport in novel carbon allotropes with s - p hybridization. An <i>ab initio</i> study. Physical Review B, 2017, 95, .	1.1	42
72	The geometric and electronic transitions in body-centered-tetragonal C8: A first principle study. Carbon, 2017, 120, 89-94.	5.4	17

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73	Competition between the inter-valley scattering and the intra-valley scattering on magnetoconductivity induced by screened Coulomb disorder in Weyl semimetals. <i>AIP Advances</i> , 2017, 7, .	0.6	10
74	Octa-Kagom� Lattice Compounds Showing Quantum Critical Behaviors: Spin Gap Ground State versus Antiferromagnetic Ordering. <i>Journal of the American Chemical Society</i> , 2017, 139, 14057-14060.	6.6	18
75	Quantum Monte Carlo study of the spin-1/2 honeycomb Heisenberg model with mixed antiferromagnetic and ferromagnetic interactions in external magnetic fields. <i>Physical Review E</i> , 2017, 95, 052147.	0.8	7
76	Few-body systems capture many-body physics: Tensor network approach. <i>Physical Review B</i> , 2017, 96, .	1.1	20
77	Criticality in two-dimensional quantum systems: Tensor network approach. <i>Physical Review B</i> , 2017, 95, .	1.1	9
78	Spin-Caloritronic Batteries. <i>Physical Review Applied</i> , 2017, 8, .	1.5	8
79	Tinselenidene: a Two-dimensional Auxetic Material with Ultralow Lattice Thermal Conductivity and Ultrahigh Hole Mobility. <i>Scientific Reports</i> , 2016, 6, 19830.	1.6	155
80	Diverse anisotropy of phonon transport in two-dimensional group IV-VI compounds: A comparative study. <i>Nanoscale</i> , 2016, 8, 11306-11319.	2.8	234
81	Spin-ordered ground state and thermodynamic behaviors of the spin-32kagome Heisenberg antiferromagnet. <i>Physical Review E</i> , 2016, 94, 032114.	0.8	15
82	Quantum phase transition, universality, and scaling behaviors in the spin-1/2 Heisenberg model with ferromagnetic and antiferromagnetic competing interactions on a honeycomb lattice. <i>Physical Review E</i> , 2016, 93, 062110.	0.8	11
83	Highly efficient light management for perovskite solar cells. <i>Scientific Reports</i> , 2016, 6, 18922.	1.6	105
84	Phase diagram and exotic spin-spin correlations of anisotropic Ising model on the Sierpiński gasket. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	5
85	Thermally Driven Pure Spin and Valley Currents via the Anomalous Nernst Effect in Monolayer Group-VI Dichalcogenides. <i>Physical Review Letters</i> , 2015, 115, 246601.	2.9	47
86	Simplex valence-bond crystal in the spin-1 kagome Heisenberg antiferromagnet. <i>Physical Review B</i> , 2015, 91, .	1.1	41
87	Anisotropic intrinsic lattice thermal conductivity of phosphorene from first principles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4854-4858.	1.3	379
88	Current-induced magnetic switching of a single molecule magnet on a spin valve. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 848-852.	0.9	1
89	Multivariable Scaling for the Anomalous Hall Effect. <i>Physical Review Letters</i> , 2015, 114, 217203.	2.9	104
90	Quantum phase transitions and string orders in the spin-1/2 Heisenberg-Ising alternating chain with Dzyaloshinskii-Moriya interaction. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 165602.	0.7	8

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91	Combined study of Schwinger-boson mean-field theory and linearized tensor renormalization group on Heisenberg ferromagnetic mixed spin ($S, \frac{1}{2}$) chains. AIP Advances, 2015, 5, 077183.	0.6	3
92	A modeling method to enhance the conversion efficiency by optimizing light trapping structure in thin-film solar cells. Solar Energy, 2015, 120, 505-513.	2.9	18
93	Diamond polytypes under high pressure: A first-principles study. Computational Materials Science, 2015, 98, 129-135.	1.4	12
94	Quantum phase transitions and the $\frac{1}{3}$ magnetization plateau in the spin- $\frac{1}{2}$ Ferromagnetic- \leftrightarrow -Antiferromagnetic chain. Journal of Magnetism and Magnetic Materials, 2015, 377, 12-18.	1.0	4
95	Co ₄₀ Fe ₄₀ B ₂₀ . Physical Review B, 2014, 90, .	1.1	32
96	Spontaneous symmetry breaking discovers the formation of aeroplane-like ZnO nanocrystals. Applied Physics Letters, 2014, 104, .	1.5	3
97	Featureless quantum spin liquid, $\frac{1}{3}$ -magnetization plateau state, and exotic thermodynamic properties of the spin- $\frac{1}{2}$ frustrated Heisenberg antiferromagnet on an infinite Husimi lattice. Physical Review B, 2014, 89, .	1.1	16
98	Entanglement spectrum and quantum phase transitions in one-dimensional XXZ model with uniaxial single-ion anisotropy. Physica B: Condensed Matter, 2014, 443, 63-69.	1.3	7
99	Thermal conductivity of silicene calculated using an optimized Stillinger-Weber potential. Physical Review B, 2014, 89, .	1.1	213
100	Magnetization process and quantum entanglement in spin-1 XXZ model with single-ion anisotropy under external field. Journal of Magnetism and Magnetic Materials, 2014, 361, 99-106.	1.0	3
101	Hinge-like structure induced unusual properties of black phosphorus and new strategies to improve the thermoelectric performance. Scientific Reports, 2014, 4, 6946.	1.6	202
102	Effective manipulation of Andreev bound states, zero mode Majorana fermion and Josephson current in a superconductor- \leftrightarrow -superconductor junction on the surface of a topological insulator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3131-3135.	0.9	3
103	First-principles study on electronic and magnetic properties of twisted graphene nanoribbon and Möbius strips. Carbon, 2014, 71, 150-158.	5.4	23
104	Nonlocal string orders and entanglement spectrum in the spin- $\frac{1}{2}$ alternating Heisenberg-Ising chain. European Physical Journal B, 2014, 87, 1.	0.6	5
105	Existence of the $\frac{1}{2}$ magnetization plateau in the $S=1$ Ising model with single-ion anisotropy on $Z=3$ Bethe lattice. Solid State Communications, 2014, 180, 1-6.	0.9	1
106	Spin-dependent transport and current-induced spin transfer torque in a strained graphene spin valve. Physical Review B, 2014, 89, .	1.1	15
107	From sphere to polyhedron: A hypothesis on the formation of high-index surfaces in nanocrystals. Scientific Reports, 2014, 4, 6520.	1.6	2
108	New strategy to promote conversion efficiency using high-index nanostructures in thin-film solar cells. Scientific Reports, 2014, 4, 7165.	1.6	20

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109	Effects of bond alternation and the Dzyaloshinskii-Moriya interaction on the ground-state phase diagram of the Ising model. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	4
110	Implementation of the modified Becke-Johnson meta-GGA functional in Quantum Espresso. <i>Computer Physics Communications</i> , 2013, 184, 1697-1700.	3.0	19
111	Strain-induced Dirac cone-like electronic structures and semiconductor-semimetal transition in graphdiyne. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8179.	1.3	81
112	Singular critical endpoint and phase diagrams of the anisotropic 3-state Potts model on square lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1012-1015.	0.9	0
113	Spin manipulations through electrical and thermoelectrical transport in magnetic tunnel junctions. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 166-183.	2.0	5
114	Kosterlitz-Thouless phase transition and re-entrance in an anisotropic three-state Potts model on the generalized kagome lattice. <i>Physical Review E</i> , 2013, 87, .	0.8	16
115	Magnetization process and updated phase diagram of one-dimensional $S=1$ Ising model with single-ion anisotropy under magnetic field. <i>Solid State Communications</i> , 2013, 166, 38-43.	0.9	5
116	Honeycomb Heisenberg spin ladder: Unusual ground state and thermodynamic properties. <i>Europhysics Letters</i> , 2013, 104, 57009.	0.7	4
117	Theory of network contractor dynamics for exploring thermodynamic properties of two-dimensional quantum lattice models. <i>Physical Review B</i> , 2013, 88, .	1.1	37
118	New boron nitride structures B_{4N_4} : a first-principles random searching application. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 125504.	0.7	21
119	Schmidt gap and quantum phase transitions in the XXZ model under external field on the Bethe lattice. <i>Europhysics Letters</i> , 2013, 101, 57001.	0.7	3
120	Field-Dependent Magnetic Relaxation and Magnetocaloric Effect in Mononuclear Gd Complexes. <i>Acta Chimica Sinica</i> , 2013, 71, 1022.	0.5	12
121	Gate-voltage controlled electronic transport through a ferromagnet/normal/ferromagnet junction on the surface of a topological insulator. <i>Physical Review B</i> , 2012, 86, .	1.1	23
122	Phase diagrams, distinct conformal anomalies, and thermodynamics of spin-1 bond-alternating Heisenberg antiferromagnetic chain in magnetic fields. <i>Physical Review B</i> , 2012, 85, .	1.1	22
123	Low-energy effective theory and two distinct critical phases in a spin-1/2 frustrated three-leg spin tube. <i>Physical Review B</i> , 2012, 86, .	1.1	4
124	Optimized decimation of tensor networks with super-orthogonalization for two-dimensional quantum lattice models. <i>Physical Review B</i> , 2012, 86, .	1.1	51
125	Matrix product state and quantum phase transitions in the one-dimensional extended quantum compass model. <i>Physical Review B</i> , 2012, 85, .	1.1	38
126	Octagraphene as a versatile carbon atomic sheet for novel nanotubes, unconventional fullerenes, and hydrogen storage. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	110

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127	Charged states and band-gap narrowing in codoped ZnO nanowires for enhanced photoelectrochemical responses: Density functional first-principles calculations. Physical Review B, 2012, 85, .	1.1	19
128	Thermoelectric properties of silicon carbide nanowires with nitride dopants and vacancies. Physical Review B, 2011, 84, .	1.1	5
129	Separation of Hydrogen and Nitrogen Gases with Porous Graphene Membrane. Journal of Physical Chemistry C, 2011, 115, 23261-23266.	1.5	335
130	T-Carbon: A Novel Carbon Allotrope. Physical Review Letters, 2011, 106, 155703.	2.9	421
131	Low-energy properties of anisotropic two-dimensional spin- $\frac{1}{2}$ Heisenberg models in staggered magnetic fields. Physical Review B, 2011, 84, .	1.1	11
132	Global phase diagram of three-dimensional extended Boson Hubbard model: A continuous-time quantum Monte Carlo study. Physical Review B, 2011, 84, .	1.1	13
133	Linearized Tensor Renormalization Group Algorithm for the Calculation of Thermodynamic Properties of Quantum Lattice Models. Physical Review Letters, 2011, 106, 127202.	2.9	71
134	Recent advances on boron fullerenes and related nanostructures. Scientia Sinica: Physica, Mechanica Et Astronomica, 2011, 41, 29-48.	0.2	0
135	A Mononuclear Dysprosium Complex Featuring Single-Molecule Magnet Behavior. Angewandte Chemie, 2010, 122, 7610-7613.	1.6	104
136	A Mononuclear Dysprosium Complex Featuring Single-Molecule Magnet Behavior. Angewandte Chemie - International Edition, 2010, 49, 7448-7451.	7.2	597
137	Magnetic properties and thermodynamics of decorated Ising chain with pendants of arbitrary spin. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2589-2595.	0.9	2
138	Boron carbon nanotube superlattices: Geometry, electronic structure and quantum conductance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 63-66.	0.9	2
139	Spin transfer in a ferromagnetic quantum dot and tunnel-barrier-coupled Aharonov-Bohm ring system with Rashba spin-orbit interactions. Journal of Physics Condensed Matter, 2010, 22, 186004.	0.7	2
140	Phase transitions and thermodynamics of the two-dimensional Ising model on a distorted kagome lattice. Physical Review B, 2010, 82, .	1.1	18
141	Quantum phase transition, $S=1$ Heisenberg class, and phase diagram of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet. Physical Review B, 2010, 81, .	1.1	31
142	Magnetism and thermodynamics of spin-(1,2)decorated Heisenberg chain with spin-1 pendants. Physical Review B, 2010, 81, .	1.1	18
143	Magnetization plateau and incommensurate spin modulation in Ca ₃ Co ₂ O ₆ . Applied Physics Letters, 2010, 96, 162503.	1.5	19
144	Face-centered-cubic K ₃ Mg ₃ Physical Review B, 2009, 80, .	1.1	11

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145	Half-metallic silicon nanowires: Multiple surface dangling bonds and nonmagnetic doping. Physical Review B, 2009, 80, .	1.1	9
146	Thermodynamics of spin- $\frac{1}{2}$ tetrameric Heisenberg antiferromagnetic chain. Physical Review B, 2009, 80, .	1.1	26
147	Spinor Boltzmann-Poisson equation and application to spin-dependent transport in magnetic multilayers. Europhysics Letters, 2009, 88, 47003.	0.7	3
148	Quantum phase transitions in a spin-1/2 alternating Heisenberg antiferromagnetic chain under a staggered transverse magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1687-1690.	0.9	5
149	Effect of quasiparticle spectral weight and consistency of energy gaps obtained from STM and ARPES spectra for underdoped superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 323-325.	0.9	0
150	Thermal entanglement in one-dimensional Heisenberg quantum spin chains under magnetic fields. Physical Review A, 2009, 80, .	1.0	35
151	Boron fullerenes B ₃₂ +8k with four-membered rings and B ₃₂ solid phases: geometrical structures and electronic properties. Physical Chemistry Chemical Physics, 2009, 11, 9696.	1.3	36
152	Spin structure factors and valence-bond-solid states of the trimerized Heisenberg chains in a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2322-2325.	0.9	13
153	Family of boron fullerenes: General constructing schemes, electron counting rule, and ab initio calculations. Physical Review B, 2008, 78, .	1.1	80
154	Magnetization plateaus, Haldane-like gap, string order, and hidden symmetry in a spin-1/2 tetrameric Heisenberg antiferromagnetic chain. Physical Review B, 2008, 78, .	1.1	17
155	Face-centered-cubic B_{80} Density functional theory calculations. Physical Review B, 2008, 77, .	1.1	28
156	Spin transfer and critical current for magnetization reversal in ferromagnet-ferromagnet-ferromagnet double-barrier tunnel junctions. Physical Review B, 2008, 78, .	1.1	7
157	Oscillations of tunnel magnetoresistance induced by spin-wave excitations in ferromagnet-ferromagnet-ferromagnet double-barrier tunnel junctions. Physical Review B, 2007, 76, .	1.1	4
158	Structures, Electronic Properties, Spectroscopies, and Hexagonal Monolayer Phase of a Family of Unconventional Fullerenes C ₆₄ X ₄ (X = H, F, Cl, Br). Journal of Physical Chemistry C, 2007, 111, 549-554.	1.5	21
159	Magnetism and thermodynamics of spin-1/2 Heisenberg diamond chains in a magnetic field. Physical Review B, 2007, 75, .	1.1	67
160	Theoretical study on the structures, properties and spectroscopies of fullerene derivatives C ₆₆ X ₄ (X=H, F, Cl). Carbon, 2007, 45, 1821-1827.	5.4	20
161	Comment on "Experimental Observation of the 1/3 Magnetization Plateau in the Diamond-Chain Compound Cu ₃ (CO ₃) ₂ (OH) ₂ ". Physical Review Letters, 2006, 97, 089701; discussion 089702.	2.9	64
162	Spin current and current-induced spin transfer torque in ferromagnet-ferromagnet coupled systems. Physical Review B, 2006, 73, .	1.1	55

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163	Synthesis and Size-Dependent Magnetic Properties of Monodisperse EuS Nanocrystals. <i>Small</i> , 2006, 2, 244-248.	5.2	103
164	Spin accumulation on the spin-dependent transport through a quantum dot coupled to ferromagnet electrodes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 358, 47-52.	0.9	3
165	Crystalline and electronic structures of the molecular solid C ₅₀ Cl ₁₀ : First-principles calculation. <i>Physical Review B</i> , 2006, 73, .	1.1	5
166	Fulde-Ferrel-Larkin-Ovchinnikov inhomogeneous superconducting state and phase transitions induced by spin accumulation in a ferromagnet-d _{x²-y²} -wave superconductor-ferromagnet tunnel junction. <i>Physical Review B</i> , 2006, 73, .	1.1	7
167	Thermodynamics of spin-1/2 antiferromagnet-antiferromagnet-ferromagnet and ferromagnet-ferromagnet-antiferromagnet trimerized quantum Heisenberg chains. <i>Physical Review B</i> , 2006, 73, .	1.1	37
168	Current-induced spin transfer torque in ferromagnet-marginal Fermi liquid double tunnel junctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 336, 66-70.	0.9	6
169	Magnetic properties of S=1/2, 1, 3/2 and 2 in a magnetic field. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6081-6094.	0.7	22
170	An Analytical Approach to Thermal and Electrical Transport in a Mesoscopic Conductor. <i>Communications in Theoretical Physics</i> , 2005, 44, 735-742.	1.1	2
171	Spin-polarized transport in ferromagnet-marginal Fermi liquid systems. <i>Physical Review B</i> , 2005, 71, .	1.1	8
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