

# Jozef Strecka

## List of Publications by Year in descending order

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174  
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#	ARTICLE	IF	CITATIONS
1	Effect of uniaxial single-ion anisotropy on a stability of intermediate magnetization plateaus of a spin-1 Heisenberg diamond cluster. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 542, 168587.	1.0	1
2	Influence of a spatial anisotropy on presence of the intermediate one-half magnetization plateau of a spin-1/2 Ising-Heisenberg branched chain. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 542, 168547.	1.0	5
3	Influence of a further-neighbour interaction on a rotating magnetoelectric effect in a coupled spin-electron model on a doubly decorated square lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 544, 168691.	1.0	0
4	Effect of an uniaxial single-ion anisotropy on the quantum and thermal entanglement of a mixed spin-(1/2, $\frac{1}{2}$ ) Heisenberg diamond cluster. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 546, 168799.	1.0	3
5	Fractional magnetization plateaus of a spin-1/2 Heisenberg model on the Shastry-Sutherland lattice: effect of quantum XY interdimer coupling. <i>SciPost Physics</i> , 2022, 12, .	1.5	3
6	Frustrated magnetism of spin-1 Heisenberg diamond and octahedral chains as a statistical mechanical monomer-dimer problem. <i>Physical Review B</i> , 2022, 105, .	1.1	5
7	Unconventional spin frustration due to two competing ferromagnetic interactions of a spin-1/2 Ising-Heisenberg model on martini and martini-diced lattices. <i>Physical Review E</i> , 2022, 105, 044115.	0.8	1
8	Conventional and inverse magnetocaloric and electrocaloric effects of a mixed spin-(1/2, 1) Heisenberg dimer. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	1
9	Towards lattice-gas description of low-temperature properties above the Haldane and cluster-based Haldane ground states of a mixed spin-(1,1/2) Heisenberg octahedral chain. <i>Physical Review E</i> , 2022, 106, .	0.8	0
10	Magnetization plateaus and bipartite entanglement of an exactly solved spin-1/2 Ising-Heisenberg orthogonal-dimer chain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 125, 114089.	1.3	7
11	Rotating magnetoelectric effect in a ground state of a coupled spin-electron model on a doubly decorated square lattice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125673.	1.2	3
12	Modified strong-coupling treatment of a spin-1 Heisenberg trimerized chain developed from the exactly solved Ising-Heisenberg diamond chain. <i>Physical Review B</i> , 2021, 103, .	1.1	6
13	Magnetic-Field-Orientation Dependent Thermal Entanglement of a Spin-1 Heisenberg Dimer: The Case Study of Dinuclear Nickel Complex with an Uniaxial Single-Ion Anisotropy. <i>Molecules</i> , 2021, 26, 3420.	1.7	8
14	On the failure of effective-field theory in predicting a spurious spontaneous ordering and phase transition of Ising nanoparticles, nanoislands, nanotubes and nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 133, 114805.	1.3	6
15	Spontaneous magnetic order and spin and charge entanglement of a coupled spin-electron model on a decorated square lattice composed from trigonal bipyramids. <i>Physical Review B</i> , 2021, 104, .	1.1	1
16	Weak Singularities of the Isothermal Entropy Change as the Smoking Gun Evidence of Phase Transitions of Mixed-Spin Ising Model on a Decorated Square Lattice in Transverse Field. <i>Entropy</i> , 2021, 23, 1533.	1.1	1
17	Unconventional Thermal and Magnetic-Field-Driven Changes of a Bipartite Entanglement of a Mixed Spin-(1/2,S) Heisenberg Dimer with an Uniaxial Single-Ion Anisotropy. <i>Nanomaterials</i> , 2021, 11, 3096.	1.9	9
18	Influence of applied electric and magnetic fields on a thermally-induced reentrance of a coupled spin-electron model on a decorated square lattice. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 115, 113717.	1.3	5

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19	Enhanced magnetoelectric effect near a field-driven zero-temperature quantum phase transition of the spin-1/2 Heisenberg-Ising ladder. <i>Physical Review E</i> , 2020, 101, 012103.	0.8	6
20	Nature of intermediate magnetization plateaus of a spin-1/2 Ising-Heisenberg model on a triangulated Husimi lattice resembling a triangulated kagome lattice. <i>Physical Review E</i> , 2020, 102, 012132.	0.8	3
21	Insights into Nature of Magnetization Plateaus of a Nickel Complex $[\text{Ni}_4(\text{HCO}_3)_2(\text{aetpy})_8](\text{ClO}_4)_4$ from a Spin-1 Heisenberg Diamond Cluster. <i>Magnetochemistry</i> , 2020, 6, 59.	1.0	7
22	Exact and density matrix renormalization group studies of two mixed spin- $\frac{1}{2}$ branched-chain models developed for a heterotrimetallic Fe-Mn-Cu coordination polymer. <i>Physical Review B</i> , 2020, 102, .	1.1	15
23	Unconventional strengthening of the bipartite entanglement of a mixed spin-(1/2,1) Heisenberg dimer achieved through Zeeman splitting. <i>Physical Review B</i> , 2020, 102, .	1.1	18
24	Magnetic behavior of a ferromagnetic ternary alloy with a selective site disorder: Case study of a mixed-spin Ising model on a honeycomb lattice. <i>Physical Review E</i> , 2020, 101, 032104.	0.8	7
25	Peculiarities in pseudo-transitions of a mixed spin-(1/2, 1) Ising-Heisenberg double-tetrahedral chain in an external magnetic field. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 035804.	0.7	7
26	Investigation of bipartite entanglement across the magnetization process of a highly frustrated spin-1/2 Heisenberg octahedral chain as a new paradigm of the localized-magnon approach. <i>Europhysics Letters</i> , 2020, 132, 30004.	0.7	3
27	Unsaturated Bipartite Entanglement of a Spin-1/2 Ising-Heisenberg Model on a Triangulated Husimi Lattice. <i>Acta Physica Polonica A</i> , 2020, 137, 592-594.	0.2	3
28	Interplay of Bipartite Entanglement between Two Geometrically Inequivalent Spin Pairs of a Spin-1/2 Heisenberg Distorted Tetrahedron. <i>Acta Physica Polonica A</i> , 2020, 137, 595-597.	0.2	6
29	Anomalous Thermodynamic Response in the Vicinity of a Pseudo-Transition of a Spin-1/2 Ising Diamond Chain. <i>Acta Physica Polonica A</i> , 2020, 137, 610-612.	0.2	8
30	Insights into nature of a magnetization plateau of 3d-4f coordination polymer $[\text{Dy}_2\text{Cu}_2]_n$ from a spin-1/2 Ising-Heisenberg orthogonal-dimer chain. <i>Condensed Matter Physics</i> , 2020, 23, 43708.	0.3	5
31	Interplay of magnetic field and interlayer coupling in the quasi-two-dimensional quantum magnet $\text{Cu}(\text{en})\text{Cl}_2$ : Realization of the spin-1/2 rectangular/zigzag square Heisenberg lattice. <i>Physical Review B</i> , 2019, 100, .		
32	Breakdown of intermediate one-half magnetization plateau of spin-1/2 Ising-Heisenberg and Heisenberg branched chains at triple and Kosterlitz-Thouless critical points. <i>Physical Review E</i> , 2019, 100, 042127.	0.8	11
33	Conventional and rotating magnetoelectric effect of a half-filled spin-electron model on a doubly decorated square lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125957.	0.9	6
34	Absence of a spontaneous long-range order in a mixed spin-(1/2, 3/2) Ising model on a decorated square lattice due to anomalous spin frustration driven by a magnetoelastic coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2451-2455.	0.9	12
35	Ising-type critical exponents of the fully frustrated spin-1/2 Heisenberg FM/AF square bilayer at a critical magnetic field. <i>Phase Transitions</i> , 2019, 92, 317-322.	0.6	1
36	Universality and quasicritical exponents of one-dimensional models displaying a quasitransition at finite temperatures. <i>Physical Review E</i> , 2019, 99, 042117.	0.8	13

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37	Kosterlitz-Thouless and Gaussian criticalities in a mixed spin-1 and spin-1/2 Ising-Heisenberg chain. Physical Review B, 2019, 100, .	1.1	21
38	Cluster-based Haldane phases, bound magnon crystals and quantum spin liquids of a mixed spin-1 and spin-1/2 Heisenberg octahedral chain. Physical Review B, 2019, 100, .	1.1	12
39	Anomalous spin frustration enforced by a magnetoelastic coupling in the mixed-spin Ising model on decorated planar lattices. Journal of Magnetism and Magnetic Materials, 2019, 469, 655-664.	1.0	5
40	Magnetization processes and quantum entanglement in a spin-1/2 Ising-Heisenberg chain model of a heterotrimetallic Fe-Mn-Cu coordination polymer. Journal of Magnetism and Magnetic Materials, 2019, 471, 423-431.	1.0	13
41	Unconventional quantum antiferromagnetism with a fourfold symmetry breaking in a spin-1/2 Ising-Heisenberg pentagonal chain. Physical Review B, 2018, 97, .	1.1	6
42	Heterobimetallic Dy-Cu coordination compound as a classical-quantum ferrimagnetic chain of regularly alternating Ising and Heisenberg spins. Journal of Magnetism and Magnetic Materials, 2018, 460, 368-380.	1.0	13
43	Magnetic and magnetocaloric properties of the exactly solvable mixed-spin Ising model on a decorated triangular lattice in a magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 99, 244-253.	1.3	26
44	Magnetization curves of di-, tri- and tetramerized mixed spin-1 and spin-2 Heisenberg chains. Physica B: Condensed Matter, 2018, 536, 494-497.	1.3	3
45	Magnetization process and low-temperature thermodynamics of a spin-1/2 Heisenberg octahedral chain. Physica B: Condensed Matter, 2018, 536, 364-368.	1.3	12
46	The influence of further-neighbor spin-spin interaction on a ground state of 2D coupled spin-electron model in a magnetic field. Physica B: Condensed Matter, 2018, 536, 432-438.	1.3	2
47	Thermodynamic behavior and enhanced magnetocaloric effect in a frustrated spin-1/2 Ising-Heisenberg triangular tube. Journal of Magnetism and Magnetic Materials, 2018, 451, 218-225.	1.0	11
48	Magnetization processes and existence of reentrant phase transitions in coupled spin-electron model on doubly decorated planar lattices. Journal of Magnetism and Magnetic Materials, 2018, 452, 512-521.	1.0	8
49	Magnetization curves and low-temperature thermodynamics of two spin-1/2 Heisenberg edge-shared tetrahedra. AIP Advances, 2018, 8, .	0.6	7
50	Ising versus Potts criticality in low-temperature magnetothermodynamics of a frustrated spin-1/2 Heisenberg triangular bilayer. Physical Review B, 2018, 98, .	1.1	4
51	Enhanced magnetoelectric effect of the exactly solved spin-electron model on a doubly decorated square lattice in the vicinity of a continuous phase transition. Physical Review E, 2018, 98, .	0.8	10
52	Strong- and Weak-Universal Critical Behaviour of a Mixed-Spin Ising Model with Triplet Interactions on the Union Jack (Centered Square) Lattice. Entropy, 2018, 20, 91.	1.1	3
53	Phase diagram and re-entrant fermionic entanglement in a hybrid Ising-Hubbard ladder. Physical Review E, 2018, 97, 052115.	0.8	10
54	Continuous field-driven phase transition from the Ising universality class of a frustrated spin-1/2 Heisenberg FM/AF square bilayer. Solid State Communications, 2018, 281, 31-37.	0.9	4

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55	Realization of a spin- $\frac{1}{2}$ anisotropic square lattice in a quasi-two-dimensional quantum antiferromagnet		

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73	Thermal entanglement and sharp specific-heat peak in an exactly solved spin-1/2 Ising-Heisenberg ladder with alternating Ising and Heisenberg inter-leg couplings. Solid State Communications, 2016, 246, 68-75.	0.9	21
74	Spin frustration and fermionic entanglement in an exactly solved hybrid diamond chain with localized Ising spins and mobile electrons. Physical Review B, 2016, 93, .	1.1	24
75	Antiferromagnetism in a spin-1 Ising-Heisenberg diamond chain. Physical Review B, 2016, 93, .	1.1	5
76	Fractional magnetization plateaus of the spin-1/2 Ising-Heisenberg orthogonal-dimer chain: Strong-coupling approach developed from the exactly solved Ising-Heisenberg model. Physical Review B, 2016, 94, .	1.1	8
77	Exactly solved mixed spin-(1,1/2) Ising-Heisenberg distorted diamond chain. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 104-116.	1.2	14
78	The Schottky-type specific heat as an indicator of relative degeneracy between ground and first-excited states: The case study of regular Ising polyhedra. Physica B: Condensed Matter, 2016, 488, 49-56.	1.3	27
79	Exactly solvable spin-1 Ising-Heisenberg diamond chain with the second-neighbor interaction between nodal spins. Journal of Physics Condensed Matter, 2016, 28, 085401.	0.7	7
80	Spin frustration of a spin-1/2 Ising-Heisenberg three-leg tube as an indispensable ground for thermal entanglement. Journal of Magnetism and Magnetic Materials, 2016, 409, 124-133.	1.0	33
81	Reentrant phase transitions of a coupled spin-electron model on doubly decorated planar lattices with two or three consecutive critical points. Journal of Magnetism and Magnetic Materials, 2016, 401, 1106-1122.	1.0	21
82	Absence of actual plateaus in zero-temperature magnetization curves of quantum spin clusters and chains. Physical Review B, 2015, 92, .	1.1	18
83	A Novel Composite Material Designed from FeSi Powder and Mn <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> Ferrite. Advances in Materials Science and Engineering, 2015, 2015, 1-8.	1.0	6
84	Effective low-energy description of almost Ising-Heisenberg diamond chain. Europhysics Letters, 2015, 112, 37002.	0.7	6
85	Phase diagrams and anomalous thermodynamic behavior of a correlated spin-electron system on doubly decorated planar lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2915-2921.	0.9	11
86	Ground State, Magnetization Process, and Magnetocaloric Effect of the Exactly Tractable Spin-Electron Tetrahedral Chain. Acta Physica Polonica A, 2015, 127, 216-218.	0.2	7
87	Magnetic frustration parameter and magnetocaloric properties of a coupled spin-electron double-tetrahedral chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2474-2478.	0.9	20
88	Presence or absence of order by disorder in a highly frustrated region of the spin-1/2 Ising-Heisenberg model on triangulated Husimi lattices. Physical Review E, 2015, 91, 052143.	0.8	14
89	Vigorous thermal excitations in a double-tetrahedral chain of localized Ising spins and mobile electrons mimic a temperature-driven first-order phase transition. Physical Review E, 2015, 91, 022134.	0.8	37
90	Giant magnetocaloric effect, magnetization plateaux and jumps of the regular Ising polyhedra. Physica B: Condensed Matter, 2015, 466-467, 76-85.	1.3	38

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91	Exactly solved mixed spin-(1,1/2) Ising-Heisenberg diamond chain with a single-ion anisotropy. Journal of Magnetism and Magnetic Materials, 2015, 377, 502-510.	1.0	14
92	Low-Temperature Thermodynamics of Spin-1/2 Orthogonal-Dimer Chain with Ising and Heisenberg Interactions. Acta Physica Polonica A, 2014, 126, 22-23.	0.2	5
93	Exact Solution of a Linear Spin-electron Chain Composed of Localized Ising Spins and Mobile Electrons. Acta Physica Polonica B, 2014, 45, 2093.	0.3	6
94	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
95	Magnetization Process and Adiabatic Demagnetization of the Antiferromagnetic Spin-1/2 Heisenberg Cubic Cluster. Acta Physica Polonica A, 2014, 126, 26-27.	0.2	4
96	Kinetically-Driven Frustration in Hybrid Spin Ladders. Acta Physica Polonica A, 2014, 126, 12-13.	0.2	4
97	Exact ground states of a spin- $\frac{1}{2}$ Ising-Heisenberg model on the Shastry-Sutherland lattice in a magnetic field. Physical Review B, 2014, 90, .	1.4	19
98	Exact results for a generalized spin- $\frac{1}{2}$ Ising-Heisenberg diamond chain with the second-neighbor interaction between nodal spins. Physica Status Solidi (B): Basic Research, 2014, 251, 1083-1095.	0.7	21
99	Exact solution of a coupled spin-electron linear chain composed of localized Ising spins and mobile electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2801-2807.	0.9	14
100	Magnetization process, bipartite entanglement, and enhanced magnetocaloric effect of the exactly solved spin-1/2 Ising-Heisenberg tetrahedral chain. Physical Review E, 2014, 89, 022143.	0.8	34
101	Magnetization plateaus of an exactly solvable spin-1 Ising-Heisenberg diamond chain. Solid State Communications, 2014, 194, 48-53.	0.9	21
102	On the Reentrant Transitions and Magnetization Plateaus in the Spin-1/2 Ising-Heisenberg Model on Diamond-Like Decorated Bethe Lattices. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2761-2770.	0.8	4
103	Ground-state phase diagram and magnetization process of the exactly solved mixed spin-(1,1/2) Ising diamond chain. Journal of Magnetism and Magnetic Materials, 2013, 346, 78-83.	1.0	13
104	Compressibility of deformable spin chains near quantum critical points. European Physical Journal B, 2013, 86, 1.	0.6	3
105	Interplay between spin frustration and thermal entanglement in the exactly solved Ising-Heisenberg tetrahedral chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 920-926.	0.9	13
106	High-field magnetization of a bimetallic ferrimagnetic chain with alternating Ising and Heisenberg spins. Journal of the Korean Physical Society, 2013, 62, 2050-2053.	0.3	10
107	Exact solution for a quantum spin- $\frac{1}{2}$ Ising-Heisenberg orthogonal-dimer chain with Heisenberg intradimer and Ising interdimer interactions. Physical Review B, 2013, 88, .	1.1	19
108	Unconventional quantum ordered and disordered states in the highly frustrated spin- $\frac{1}{2}$ Ising-Heisenberg model on triangles-in-triangles lattices. Physical Review B, 2013, 87, .	1.1	17



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109	Order-from-disorder effect in the exactly solved mixed spin-(1/2, 1) Ising model on fully frustrated triangles-in-triangles lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5633-5643.	1.2	9
110	Intermediate magnetization plateaus in the spin- $\frac{1}{2}$ Ising-Heisenberg and Heisenberg models on two-dimensional triangulated lattices. <i>Physical Review B</i> , 2013, 87, .	1.1	13
111	Ground state of a spin-1/2 Heisenberg-Ising two-leg ladder with XYZ intra-rung coupling. <i>Condensed Matter Physics</i> , 2013, 16, 13601.	0.3	6
112	Reentrant phase transitions and multicomensation points in the mixed-spin Ising ferrimagnet on a decorated Bethe lattice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4763-4773.	1.2	25
113	Spontaneous distortion in the spin-1/2 Ising-Heisenberg model on decorated planar lattices with a magnetoelastic coupling. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	3
114	Quantum phase transitions in the exactly solved spin-1/2 Heisenberg-Ising ladder. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 305001.	0.7	16
115	Spin-phonon coupling induced frustration in the exactly solved spin-1/2 Ising model on a decorated planar lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 197-202.	0.9	5
116	Ferrimagnetic spin-1/2 chain of alternating Ising and Heisenberg spins in arbitrarily oriented magnetic field. <i>Condensed Matter Physics</i> , 2012, 15, 43002.	0.3	18
117	Magnetization process in the exactly solved spin-1/2 Ising-Heisenberg model on decorated Bethe lattices. <i>Condensed Matter Physics</i> , 2012, 15, 43003.	0.3	5
118	On the spontaneous ordering of the mixed-spin Ising square lattice with singly and triply decorated bonds. <i>Physica Scripta</i> , 2011, 83, 045006.	1.2	0
119	Effect of the on-site interaction on the magnetic properties of an exactly solvable spin-1/2 electron system. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175602.	0.7	12
120	Magnetic properties of the quantum spin- $\frac{1}{2}$ diamond chain: the Jordan-Wigner approach. <i>European Physical Journal B</i> , 2011, 80, 433-444.	0.6	11
121	Unusual field-induced transitions in exactly solved mixed spin-(1/2, 1) Ising chain with axial and rhombic zero-field splitting parameters. <i>Physica B: Condensed Matter</i> , 2011, 406, 2967-2976.	1.3	8
122	Phase separation in asymmetric binary mixture of large hexagonal and small rhombus particles described within the generalised Frenkel-Louis model. <i>Journal of Molecular Liquids</i> , 2011, 158, 187-191.	2.3	0
123	Phase diagrams of the mixed spin-1 and spin-1/2 Ising-Heisenberg model on the diamond-like decorated Bethe lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 493-498.	1.0	15
124	Phase transitions of geometrically frustrated mixed spin-1/2 and spin-1 Ising-Heisenberg model on diamond-like decorated planar lattices. <i>Condensed Matter Physics</i> , 2011, 14, 13002.	0.3	11
125	Phase transitions in exactly solvable decorated model of localized Ising spins and itinerant electrons. <i>Journal of Physics: Conference Series</i> , 2010, 200, 022059.	0.3	9
126	Generalized algebraic transformations and exactly solvable classical-quantum models. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3718-3722.	0.9	75



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127	Reentrant phenomenon in the exactly solvable mixed spin-1/2 and spin-1 Ising-Heisenberg model on diamond-like decorated planar lattices. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 433-443.	0.7	19
128	Rigorous Criterion for Reentrance in the Spin-1/2 Ising-Heisenberg Model on Diamond-Like Decorated Bethe Lattices. <i>Acta Physica Polonica A</i> , 2010, 118, 725-727.	0.2	3
129	On the Exact Solution of the Mixed-Spin Ising Chain with Axial and Rhombic Zero-Field Splitting Parameters. <i>Acta Physica Polonica A</i> , 2010, 118, 728-729.	0.2	2
130	Phase Diagrams of the Spin-1/2 Ising-Heisenberg Model on a Triangle-Hexagon Lattice. <i>Acta Physica Polonica A</i> , 2010, 118, 730-731.	0.2	2
131	Ground-State Properties of the Spin-1/2 Heisenberg-Ising Bond Alternating Chain with Dzyaloshinskii-Moriya Interaction. <i>Acta Physica Polonica A</i> , 2010, 118, 742-744.	0.2	14
132	Effect of On-Site Coulomb Repulsion on Phase Transitions in Exactly Solved Spin-Electron Model. <i>Acta Physica Polonica A</i> , 2010, 118, 942-943.	0.2	6
133	Spin-1/2 XXZ Diamond Chain within the Jordan-Wigner Fermionization Approach. <i>Acta Physica Polonica A</i> , 2010, 118, 978-979.	0.2	0
134	Spin-1/2 Ising-Heisenberg model with the pair $X$ $Y$ $Z$ Heisenberg interaction and quartic Ising interactions as the exactly soluble zero-field eight-vertex model. <i>Physical Review E</i> , 2009, 79, 051103.	0.8	14
135	Spontaneous antiferromagnetic long-range order in the two-dimensional hybrid model of localized Ising spins and itinerant electrons. <i>Physical Review B</i> , 2009, 80, .	1.1	21
136	Phase transitions of the mixed spin-1/2 and spin- Ising model on a three-dimensional decorated lattice with a layered structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2394-2402.	1.2	13
137	Mixed spin-1/2 and spin-1 Ising model with uniaxial and biaxial single-ion anisotropy on the Bethe lattice. <i>Open Physics</i> , 2009, 7, .	0.8	11
138	Multiple frustration-induced plateaus in a magnetization process of the mixed spin-1/2 and spin-3/2 Ising-Heisenberg diamond chain. <i>Journal of Physics: Conference Series</i> , 2009, 145, 012058.	0.3	8
139	Spontaneous order in the highly frustrated spin-1/2 Ising-Heisenberg model on the triangulated Kagomé lattice due to the Dzyaloshinskii-Moriya anisotropy. <i>Journal of Physics: Conference Series</i> , 2009, 145, 012012.	0.3	14
140	Weak-universal critical behavior and quantum critical point of the exactly soluble spin-1 <sup>2</sup> Ising-Heisenberg model with the pair XYZ Heisenberg and quartic Ising interactions. , 2009, , .		2
141	Exact solution of the mixed spin-1/2 and spin-S Ising-Heisenberg diamond chain. <i>Condensed Matter Physics</i> , 2009, 12, 353-368.	0.3	54
142	Breakdown of an intermediate plateau in the magnetization process of anisotropic spin-1 Heisenberg dimer: Theory vs. experiment. <i>Physica B: Condensed Matter</i> , 2008, 403, 3146-3153.	1.3	5
143	EXACT RESULTS OF THE MIXED-SPIN ISING MODEL ON A DECORATED SQUARE LATTICE WITH TWO DIFFERENT DECORATING SPINS OF INTEGER MAGNITUDES. <i>International Journal of Modern Physics B</i> , 2008, 22, 2355-2372.	1.0	11
144	Exact solution of the geometrically frustrated spin- $1$ Ising-Heisenberg model on the triangulated kagome (triangles-in-triangles) lattice. <i>Physical Review B</i> , 2008, 78, .	1.1	40

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145	Specific Heat of the Mixed Spin-1/2 and Spin-S Ising Model with a Rope Ladder Structure. Acta Physica Polonica A, 2008, 113, 445-448.	0.2	5
146	Ground-State Phase Diagram of Geometrically Frustrated Ising-Heisenberg Model on Doubly Decorated Planar Lattices. Acta Physica Polonica A, 2008, 113, 449-452.	0.2	7
147	Reentrant Transitions of Ising-Heisenberg Ferromagnet on a Triangular Lattice with Diamond-Like Decorations. Acta Physica Polonica A, 2008, 113, 453-456.	0.2	4
148	The Spin-1/2 Ising Model on the Bow-Tie Lattice as an Exactly Soluble Free-Fermion Model. Acta Physica Polonica A, 2008, 113, 457-460.	0.2	2
149	Exact solution of the mixed-spin Ising model on a decorated square lattice with two different kinds of decorating spins on horizontal and vertical bonds. Physical Review B, 2007, 76, .	1.1	21
150	Magnetic properties of the geometrically frustrated spin- Heisenberg model on the triangulated Kagom� lattice. Journal of Magnetism and Magnetic Materials, 2007, 316, e346-e348.	1.0	16
151	Magnetic properties of an exactly solvable antiferromagnetic Ising�Heisenberg model on the decorated triangular lattice. Journal of Magnetism and Magnetic Materials, 2007, 316, e352-e354.	1.0	6
152	Geometric frustration in the class of exactly solvable Ising�Heisenberg diamond chains. Journal of Physics Condensed Matter, 2006, 18, 4967-4984.	0.7	74
153	Investigation of phase separation within the generalized Lin�Taylor model for a binary liquid mixture of large hexagonal and small triangular particles. Molecular Physics, 2006, 104, 3831-3839.	0.8	1
154	Weak universality, bicritical points and reentrant transitions in the critical behaviour of a mixed spin-1/2 and spin-3/2 Ising model on the Union Jack (centered square) lattice. Physica Status Solidi (B): Basic Research, 2006, 243, 708-715.	0.7	16
155	Weak universal critical behaviour of the mixed spin-(1/2,S) Ising model on the Union Jack (centered) Tj ETQq1 1 0.784314 rgBT /Over 2006, 243, 1946-1955.	0.7	8
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