

Jozef Strecka

List of Publications by Year in descending order

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174
papers

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175
docs citations

175
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471
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#	ARTICLE	IF	CITATIONS
1	Exact results of a mixed spin-1/2 and spin-S Ising model on a bathroom tile (4×8) lattice: Effect of uniaxial single-ion anisotropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 360, 379-390.	1.2	100
2	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
3	Geometric frustration in the class of exactly solvable Ising-Heisenberg diamond chains. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4967-4984.	0.7	74
4	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
5	Thermodynamic properties of a tetramer Ising-Heisenberg bond-alternating chain as a model system for $\text{Cu}(\text{3-}\text{Chloropyridine})_2(\text{N}_3)_2$. <i>Physical Review B</i> , 2005, 72, .	1.1	48
6	Exact solution of the geometrically frustrated spin- $\frac{1}{2}$ Ising-Heisenberg model on the triangulated kagome (triangles-in-triangles) lattice. <i>Physical Review B</i> , 2008, 78, .	1.1	40
7	Giant magnetocaloric effect, magnetization plateaux and jumps of the regular Ising polyhedra. <i>Physica B: Condensed Matter</i> , 2015, 466-467, 76-85.	1.3	38
8	Vigorous thermal excitations in a double-tetrahedral chain of localized Ising spins and mobile electrons mimic a temperature-driven first-order phase transition. <i>Physical Review E</i> , 2015, 91, 022134.	0.8	37
9	Reentrant transitions of a mixed-spin Ising model on the diced lattice. <i>Condensed Matter Physics</i> , 2005, 8, 869.	0.3	35
10	Existence of a magnetization plateau in a class of exactly solvable Ising-Heisenberg chains. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 4519-4534.	0.7	34
11	Magnetization process, bipartite entanglement, and enhanced magnetocaloric effect of the exactly solved spin-1/2 Ising-Heisenberg tetrahedral chain. <i>Physical Review E</i> , 2014, 89, 022143.	0.8	34
12	Spin frustration of a spin-1/2 Ising-Heisenberg three-leg tube as an indispensable ground for thermal entanglement. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 409, 124-133.	1.0	33
13	Effect of uniaxial and biaxial crystal-field potential on magnetic properties of a mixed spin-1/2 and spin-1 Ising model on the honeycomb lattice. <i>Physical Review B</i> , 2004, 70, .	1.1	32
14	Magnetic properties of exactly solvable doubly decorated Ising-Heisenberg planar models. <i>Physical Review B</i> , 2002, 66, .	1.1	27
15	Thermodynamic properties of the exactly solvable transverse Ising model on decorated planar lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 415-424.	1.0	27
16	The Schottky-type specific heat as an indicator of relative degeneracy between ground and first-excited states: The case study of regular Ising polyhedra. <i>Physica B: Condensed Matter</i> , 2016, 488, 49-56.	1.3	27
17	Magnetic and magnetocaloric properties of the exactly solvable mixed-spin Ising model on a decorated triangular lattice in a magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 99, 244-253.	1.3	26
18	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

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19	Magnetic properties of a mixed spin- and spin- Ising model with an uniaxial and biaxial crystal-field potential. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 358, 393-412.	1.2	24
20	Spin frustration and fermionic entanglement in an exactly solved hybrid diamond chain with localized Ising spins and mobile electrons. <i>Physical Review B</i> , 2016, 93, .	1.1	24
21	Magnetic behavior of a spin-1 dimer: model system for homodinuclear nickel(II) complexes. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1828-1837.	1.9	21
22	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. <i>Physical Review B</i> , 2007, 76, .	1.1	21
23	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
24	Exact results for a generalized spin-1/2 Ising-Heisenberg diamond chain with the second-neighbor interaction between nodal spins. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1083-1095.	0.7	21
25	Magnetization plateaus of an exactly solvable spin-1 Ising-Heisenberg diamond chain. <i>Solid State Communications</i> , 2014, 194, 48-53.	0.9	21
26	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. <i>Solid State Communications</i> , 2016, 246, 68-75.	0.9	21
27	Reentrant phase transitions of a coupled spin-electron model on doubly decorated planar lattices with two or three consecutive critical points. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 1106-1122.	1.0	21
28	Kosterlitz-Thouless and Gaussian criticalities in a mixed spin- $\frac{1}{2}$ Ising-Heisenberg diamond chain. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 433-443.	1.1	21
29	Magnetic Gr $\frac{1}{4}$ neisen parameter and magnetocaloric properties of a coupled spin- $\frac{1}{2}$ electron double-tetrahedral chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2474-2478.	0.9	20
30	Thermal entanglement in a spin-1/2 Ising-XYZ distorted diamond chain with the second-neighbor interaction between nodal Ising spins. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 367-377.	1.2	20
31	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
32	Exact solution for a quantum spin- $\frac{1}{2}$ Ising-Heisenberg orthogonal-dimer chain with Heisenberg intradimer and Ising interdimer interactions. <i>Physical Review B</i> , 2013, 88, .	1.1	19
33	Magnetic Signatures of Quantum Critical Points of the Ferrimagnetic Mixed Spin-(1/2, S) Heisenberg Chains at Finite Temperatures. <i>Journal of Low Temperature Physics</i> , 2017, 187, 712-718.	0.6	19
34	Exact results of the transverse Ising model on decorated lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 258, 47-50.	0.9	18
35	Absence of actual plateaus in zero-temperature magnetization curves of quantum spin clusters and chains. <i>Physical Review B</i> , 2015, 92, .	1.1	18
36	Diversity of quantum ground states and quantum phase transitions of a spin- $\frac{1}{2}$ Ising-Heisenberg octahedral chain. <i>Physical Review B</i> , 2017, 95, .	1.4	18

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37	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
38	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
39	Unusual Quantum Phase in Exactly Solvable Doubly Decorated Ising-Heisenberg Models. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 233, R12-R14.	0.7	17
40	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	17
41	Unconventional quantum ordered and disordered states in the highly frustrated spin- $\frac{1}{2}$ Ising-Heisenberg model on triangles-in-triangles lattices. <i>Physical Review B</i> , 2013, 87, .	1.1	17
42	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. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 708-715.	0.7	16
43	Magnetic properties of the geometrically frustrated spin- Heisenberg model on the triangulated Kagomé lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e346-e348.	1.0	16
44	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
45	Realization of a spin- $\frac{1}{2}$ $\frac{1}{2}$ $\frac{2}{2}$ anisotropic square lattice in a quasi-two-dimensional quantum antiferromagnet		

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55	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
56	Ground-State Properties of the Spin-1/2 Heisenberg-Ising Bond Alternating Chain with Dzyaloshinskii-Moriya Interaction. Acta Physica Polonica A, 2010, 118, 742-744.	0.2	14
57	Phase transitions of the mixed spin-1/2 and spin- Ising model on a three-dimensional decorated lattice with a layered structure. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2394-2402.	1.2	13
58	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
59	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
60	Intermediate magnetization plateaus in the spin- $\frac{1}{2}$ Ising-Heisenberg and Heisenberg models on two-dimensional triangulated lattices. Physical Review B, 2013, 87, .	1.1	13
61	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, .	1.1	13
62	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
63	Universality and quasicritical exponents of one-dimensional models displaying a quasitransition at finite temperatures. Physical Review E, 2019, 99, 042117.	0.8	13
64	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
65	Magnetic Properties of a Tetramer Ferro-ferro-antiferro-antiferromagnetic Ising-Heisenberg Bond Alternating Chain as a Model System for $\text{Cu}(\text{3-Clpy})_2(\text{N}_3)_2$. European Physical Journal D, 2004, 54, 583-586.	0.4	12
66	Effect of the on-site interaction on the magnetic properties of an exactly solvable spin- $\frac{1}{2}$ electron system. Journal of Physics Condensed Matter, 2011, 23, 175602.	0.7	12
67	Ground states, magnetization plateaus and bipartite entanglement of frustrated spin-1/2 Ising-Heisenberg and Heisenberg triangular tubes. Journal of Magnetism and Magnetic Materials, 2016, 417, 294-301.	1.0	12
68	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
69	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. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2451-2455.	0.9	12
70	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
71	EXACT RESULTS OF THE MIXED-SPIN ISING MODEL ON A DECORATED SQUARE LATTICE WITH TWO DIFFERENT DECORATING SPINS OF INTEGER MAGNITUDES. International Journal of Modern Physics B, 2008, 22, 2355-2372.	1.0	11
72	Mixed spin-1/2 and spin-1 Ising model with uniaxial and biaxial single-ion anisotropy on the Bethe lattice. Open Physics, 2009, 7, .	0.8	11

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73	Magnetic properties of the quantum spin- $\frac{1}{2}$ XX diamond chain: the Jordan-Wigner approach. European Physical Journal B, 2011, 80, 433-444.	0.6	11
74	Phase diagrams and anomalous thermodynamic behavior of a correlated spin- $\frac{1}{2}$ electron system on doubly decorated planar lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2915-2921.	0.9	11
75	Thermodynamic behavior and enhanced magnetocaloric effect in a frustrated spin- $\frac{1}{2}$ Ising-Heisenberg triangular tube. Journal of Magnetism and Magnetic Materials, 2018, 451, 218-225.	1.0	11
76	Breakdown of intermediate one-half magnetization plateau of spin- $\frac{1}{2}$ Ising-Heisenberg and Heisenberg branched chains at triple and Kosterlitz-Thouless critical points. Physical Review E, 2019, 100, 042127.	0.8	11
77	Breakdown of a Magnetization Plateau in Ferrimagnetic Mixed Spin-($\frac{1}{2}$,S) Heisenberg Chains due to a Quantum Phase Transition towards the Luttinger Spin Liquid. Acta Physica Polonica A, 2017, 131, 624-626.	0.2	11
78	Phase transitions of geometrically frustrated mixed spin- $\frac{1}{2}$ and spin-1 Ising-Heisenberg model on diamond-like decorated planar lattices. Condensed Matter Physics, 2011, 14, 13002.	0.3	11
79	On the Ising-Heisenberg model with the doubly decorated network structure I. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 987-988.	1.0	10
80	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
81	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
82	Phase diagram and re-entrant fermionic entanglement in a hybrid Ising-Hubbard ladder. Physical Review E, 2018, 97, 052115.	0.8	10
83	Exact Results of the Ising-Heisenberg Model on the Diamond Chain with Spin- $\frac{1}{2}$. European Physical Journal D, 2004, 54, 579-582.	0.4	9
84	Phase transitions in exactly solvable decorated model of localized Ising spins and itinerant electrons. Journal of Physics: Conference Series, 2010, 200, 022059.	0.3	9
85	Order-from-disorder effect in the exactly solved mixed spin-($\frac{1}{2}$, 1) Ising model on fully frustrated triangles-in-triangles lattices. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5633-5643.	1.2	9
86	Unconventional Thermal and Magnetic-Field-Driven Changes of a Bipartite Entanglement of a Mixed Spin-($\frac{1}{2}$,S) Heisenberg Dimer with an Uniaxial Single-Ion Anisotropy. Nanomaterials, 2021, 11, 3096.	1.9	9
87	Weak universal critical behaviour of the mixed spin-($\frac{1}{2}$,S) Ising model on the Union Jack (centered) Tj ETQq1 1 0.784314 rgBT /Over 2006, 243, 1946-1955.	0.7	8
88	Multiple frustration-induced plateaus in a magnetization process of the mixed spin- $\frac{1}{2}$ and spin- $\frac{3}{2}$ Ising-Heisenberg diamond chain. Journal of Physics: Conference Series, 2009, 145, 012058.	0.3	8
89	Unusual field-induced transitions in exactly solved mixed spin-($\frac{1}{2}$, 1) Ising chain with axial and rhombic zero-field splitting parameters. Physica B: Condensed Matter, 2011, 406, 2967-2976.	1.3	8
90	Fractional magnetization plateaus of the spin- $\frac{1}{2}$ orthogonal-dimer chain: Strong-coupling approach developed from the exactly solved Ising-Heisenberg model. Physical Review B, 2016, 94, .	1.1	8

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91	Magnetization processes and existence of reentrant phase transitions in coupled spin-electron model on doubly decorated planar lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 452, 512-521.	1.0	8
92	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
93	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
94	Ground State, Magnetization Process, and Magnetocaloric Effect of the Exactly Tractable Spin-Electron Tetrahedral Chain. <i>Acta Physica Polonica A</i> , 2015, 127, 216-218.	0.2	7
95	Exactly solvable spin-1 Ising-Heisenberg diamond chain with the second-neighbor interaction between nodal spins. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 085401.	0.7	7
96	Magnetization curves and low-temperature thermodynamics of two spin-1/2 Heisenberg edge-shared tetrahedra. <i>AIP Advances</i> , 2018, 8, .	0.6	7
97	Interplay of magnetic field and interlayer coupling in the quasi-two-dimensional quantum magnet $Cu^{1/2}Cl^{1/2}$: Realization of the spin-1/2 rectangular/zigzag square Heisenberg lattice. <i>Physical Review B</i> , 2019, 100, .		
98	Insights into Nature of Magnetization Plateaus of a Nickel Complex $[Ni_4(\mu_4-CO_3)_2(aetpy)_8](ClO_4)_4$ from a Spin-1 Heisenberg Diamond Cluster. <i>Magnetochemistry</i> , 2020, 6, 59.	1.0	7
99	Magnetic behavior of a ferromagnetic ternary alloy $A_{1-x}B_xC_x$ 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
100	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
101	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
102	Ground-State Phase Diagram of Geometrically Frustrated Ising-Heisenberg Model on Doubly Decorated Planar Lattices. <i>Acta Physica Polonica A</i> , 2008, 113, 449-452.	0.2	7
103	Isothermal Entropy Change and Adiabatic Change of Temperature of the Antiferromagnetic Spin-1/2 Ising Octahedron and Dodecahedron. <i>Acta Physica Polonica A</i> , 2017, 131, 630-632.	0.2	7
104	Exact solution of the spin-1/2 Ising model on the Shastry-Sutherland (orthogonal-dimer) lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 349, 505-508.	0.9	6
105	Magnetic properties of an exactly solvable antiferromagnetic Ising-Heisenberg model on the decorated triangular lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e352-e354.	1.0	6
106	Exact Solution of a Linear Spin-electron Chain Composed of Localized Ising Spins and Mobile Electrons. <i>Acta Physica Polonica B</i> , 2014, 45, 2093.	0.3	6
107	A Novel Composite Material Designed from FeSi Powder and $Mn_{0.8}Zn_{0.2}Fe_2O_4$ Ferrite. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.0	6
108	Effective low-energy description of almost Ising-Heisenberg diamond chain. <i>Europhysics Letters</i> , 2015, 112, 37002.	0.7	6

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109	Doping-dependent magnetization plateaus of a coupled spin-electron chain: exact results. <i>Materials Research Express</i> , 2016, 3, 106103.	0.8	6
110	Ground-state phase diagram, fermionic entanglement and kinetically-induced frustration in a hybrid ladder with localized spins and mobile electrons. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 365801.	0.7	6
111	Unconventional quantum antiferromagnetism with a fourfold symmetry breaking in a spin-1/2 Ising-Heisenberg pentagonal chain. <i>Physical Review B</i> , 2018, 97, .	1.1	6
112	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
113	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
114	Modified strong-coupling treatment of a spin-1/2 Heisenberg trimerized chain developed from the exactly solved Ising-Heisenberg diamond chain. <i>Physical Review B</i> , 2021, 103, .	1.1	6
115	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
116	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
117	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
118	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
119	Exact results of an anisotropic Ising-Heisenberg linear chain. <i>European Physical Journal D</i> , 2002, 52, A37-A40.	0.4	5
120	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
121	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
122	Low-Temperature Thermodynamics of Spin-1/2 Orthogonal-Dimer Chain with Ising and Heisenberg Interactions. <i>Acta Physica Polonica A</i> , 2014, 126, 22-23.	0.2	5
123	Relaxation phenomena of a spin-1/2 antiferromagnet. <i>Physical Review B</i> , 2011, 83, 041101.	1.1	5
124	Anomalous spin frustration enforced by a magnetoelastic coupling in the mixed-spin Ising model on decorated planar lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 655-664.	1.0	5
125	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
126	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

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127	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
128	Magnetization process in the exactly solved spin-1/2 Ising-Heisenberg model on decorated Bethe lattices. Condensed Matter Physics, 2012, 15, 43003.	0.3	5
129	Insights into nature of a magnetization plateau of 3d-4f coordination polymer [Dy ₂ Cu ₂] _n from a spin-1/2 Ising-Heisenberg orthogonal-dimer chain. Condensed Matter Physics, 2020, 23, 43708.	0.3	5
130	Frustrated magnetism of spin- $\frac{1}{2}$ Heisenberg diamond and octahedral chains as a statistical mechanical monomer-dimer problem. Physical Review B, 2022, 105, .	1.1	5
131	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
132	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
133	Kinetically-Driven Frustration in Hybrid Spin Ladders. Acta Physica Polonica A, 2014, 126, 12-13.	0.2	4
134	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
135	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
136	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
137	Spontaneous Magnetization and Phase Diagrams of the Mixed Spin-1/2 and Spin-S Ising Model on the Bethe Lattice. Acta Physica Polonica A, 2017, 131, 615-617.	0.2	4
138	Spin Dynamics in the Exactly Solvable Ising-Heisenberg Decorated Planar Model. European Physical Journal D, 2004, 54, 587-590.	0.4	3
139	Spontaneous distortion in the spin-1/2 Ising-Heisenberg model on decorated planar lattices with a magnetoelastic coupling. European Physical Journal B, 2012, 85, 1.	0.6	3
140	Compressibility of deformable spin chains near quantum critical points. European Physical Journal B, 2013, 86, 1.	0.6	3
141	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
142	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
143	Nature of intermediate magnetization plateaus of a spin-1/2 Ising-Heisenberg model on a triangulated Husimi lattice resembling a triangulated kagome lattice. Physical Review E, 2020, 102, 012132.	0.8	3
144	Rotating magnetoelectric effect in a ground state of a coupled spin-electron model on a doubly decorated square lattice. Physica A: Statistical Mechanics and Its Applications, 2021, 566, 125673.	1.2	3

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145	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
146	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
147	Anomalous Magnetocaloric Properties of the Spin-1/2 Ising Model on a Decorated Square Lattice in a Vicinity of Second-Order Phase Transition. <i>Acta Physica Polonica A</i> , 2017, 132, 170-172.	0.2	3
148	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
149	Effect of an uniaxial single-ion anisotropy on the quantum and thermal entanglement of a mixed spin-(1/2, $\frac{1}{2}$) Tj ETQq _{1,1,0} 0.7843 ₃ 14 rgBT <i>Magnetic Materials</i> , 2022, 546, 168799.	1.0	3
150	Fractional magnetization plateaux 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
151	Weak-universal critical behavior and quantum critical point of the exactly soluble spin-1 ² Ising-Heisenberg model with the pair XYZ Heisenberg and quartic Ising interactions. , 2009, ,		2
152	The influence of further-neighbor spin-spin interaction on a ground state of 2D coupled spin-electron model in a magnetic field. <i>Physica B: Condensed Matter</i> , 2018, 536, 432-438.	1.3	2
153	The Spin-1/2 Ising Model on the Bow-Tie Lattice as an Exactly Soluble Free-Fermion Model. <i>Acta Physica Polonica A</i> , 2008, 113, 457-460.	0.2	2
154	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
155	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
156	Effect of the Canting of Local Anisotropy Axes on Ground-State Properties of a Ferrimagnetic Chain with Regularly Alternating Ising and Heisenberg Spins. <i>Acta Physica Polonica A</i> , 2017, 131, 621-623.	0.2	2
157	Inverse Magnetocaloric Effect in Spin-1/2 Fisher's Super-Exchange Antiferromagnet. <i>Acta Physica Polonica A</i> , 2017, 131, 627-629.	0.2	2
158	A Coupled Spin-Electron Diamond Chain with Different LandÅ© g-Factors of Localized Ising Spins and Mobile Electrons. <i>Acta Physica Polonica A</i> , 2017, 132, 140-142.	0.2	2
159	Thermal Entanglement and Quantum Non-Locality along the Stepwise Magnetization Curve of the Spin-1/2 Ising-Heisenberg Trimerized Chain. <i>Acta Physica Polonica A</i> , 2017, 132, 167-169.	0.2	2
160	Investigation of phase separation within the generalized Linâ€Taylor model for a binary liquid mixture of large hexagonal and small triangular particles. <i>Molecular Physics</i> , 2006, 104, 3831-3839.	0.8	1
161	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.	0.2	1
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Rise and Fall of Reentrant Phase Transitions in a Coupled Spin-Electron Model on a Doubly Decorated Honeycomb Lattice. <i>Acta Physica Polonica A</i> , 2017, 131, 1021-1023.	0.2	1
166	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
167	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
168	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
169	Magnetic Study of an Anisotropic Mixed Spin-1/2 and Spin-1 Ising Model on a Square Lattice with the Uniaxial Crystal-field Anisotropy. <i>European Physical Journal D</i> , 2004, 54, 575-578.	0.4	0
170	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
171	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
172	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
173	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
174	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