

Felix A Kassan-Ogly

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Frustrations on Decorated Planar Lattices in Ising Model. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1647-1656.	1.8	4
2	Generalized Ising Model in a Magnetic Field. Journal of Experimental and Theoretical Physics, 2021, 133, 191-205.	0.9	1
3	Generalized Ising Model in the Absence of Magnetic Field. Journal of Experimental and Theoretical Physics, 2020, 131, 447-455.	0.9	5
4	Decorated Ising Square Lattice in a Magnetic Field. Physics of the Solid State, 2020, 62, 770-776.	0.6	8
5	Study of Phase Transitions in the Antiferromagnetic Heisenberg Model on a Body-Centered Cubic Lattice by Monte Carlo Simulation. Physics of Metals and Metallography, 2020, 121, 305-309.	1.0	6
6	Decorated Ising Chain in a Magnetic Field. Journal of Experimental and Theoretical Physics, 2020, 131, 976-987.	0.9	3
7	Frustration Properties of the 1D Ising Model. Journal of Experimental and Theoretical Physics, 2019, 128, 778-807.	0.9	12
8	Ising Model on Planar Decorated Lattices. Frustrations and Their Influence on Phase Transitions. Physics of Metals and Metallography, 2019, 120, 1359-1365.	1.0	9
9	Frustrations and orderings in Ising chain with multiple interactions. Journal of Physics: Conference Series, 2019, 1389, 012009.	0.4	2
10	Frustration and Phase Transitions in Ising Model on Decorated Square Lattice. Physics of Metals and Metallography, 2019, 120, 1366-1372.	1.0	8
11	Ordering and frustrations in generalized Ising chain. Journal of Physics: Conference Series, 2019, 1389, 012008.	0.4	3
12	Diffuse Scattering from Single Crystal Cobalt. Physics of Metals and Metallography, 2018, 119, 229-240.	1.0	0
13	Phase transitions and thermodynamic properties of the antiferromagnetic Potts model on a face-centered cubic lattice. EPJ Web of Conferences, 2018, 185, 11008.	0.3	0
14	Energy analysis of the three-vertex Potts model ground state. Low Temperature Physics, 2018, 44, 1145-1148.	0.6	0
15	Frustrations and phase transitions in magnets of various dimensionality. EPJ Web of Conferences, 2018, 185, 11002.	0.3	0
16	Ground State of an Antiferromagnetic Three-State Potts Model on a Triangular Lattice with Competing Interactions. Journal of Experimental and Theoretical Physics, 2018, 127, 323-327.	0.9	0
17	Critical phenomena in 1D Ising model with arbitrary spin. EPJ Web of Conferences, 2018, 185, 03004.	0.3	1
18	Frustrations and Ordering in Magnetic Systems of Various Dimensions. Physics of the Solid State, 2018, 60, 1090-1097.	0.6	17

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19	Correlation function of one-dimensional $s = 1$ Ising model. <i>Physics of Metals and Metallography</i> , 2017, 118, 929-934.	1.0	6
20	Phase transitions in a two-dimensional antiferromagnetic Potts model on a triangular lattice with next-nearest neighbor interactions. <i>Journal of Experimental and Theoretical Physics</i> , 2016, 122, 310-317.	0.9	10
21	Three-state Potts model on triangular lattice with nearest-neighbor and next-nearest-neighbor antiferromagnetic interactions. <i>Solid State Communications</i> , 2016, 246, 41-46.	1.9	9
22	Frustrations and Phase Transitions in Low-Dimensional Magnetic Systems. <i>Materials Science Forum</i> , 2016, 845, 111-116.	0.3	1
23	Diffuse Scattering on Ising Chain with Competing Interactions. <i>Materials Science Forum</i> , 2016, 845, 122-125.	0.3	3
24	Anisotropy of magnetocaloric effects in easy-axis antiferromagnets. <i>Physics of Metals and Metallography</i> , 2016, 117, 435-450.	1.0	2
25	Four-state standard Potts model. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 383, 13-18.	2.3	2
26	Twelve-state Potts model in a magnetic field. <i>Physics of Metals and Metallography</i> , 2015, 116, 115-127.	1.0	1
27	Phase transitions in the antiferromagnetic Ising model on a body-centered cubic lattice with interactions between next-to-nearest neighbors. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 120, 110-114.	0.9	34
28	Ising model on a square lattice with second-neighbor and third-neighbor interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 247-254.	2.3	41
29	Magnetocaloric Effect and Frustrations in One-Dimensional Magnets. <i>Solid State Phenomena</i> , 2015, 233-234, 212-215.	0.3	3
30	Frustrations and phase transitions in the three-vertex Potts model with next-nearest-neighbor interactions on a triangular lattice. <i>JETP Letters</i> , 2014, 100, 242-246.	1.4	14
31	Frustrations and phase transitions in the Ising model on square lattice. <i>Journal of Physics: Conference Series</i> , 2014, 510, 012026.	0.4	4
32	On the magnetization of polycrystalline magnets with strong anisotropy. <i>Physics of Metals and Metallography</i> , 2014, 115, 211-225.	1.0	2
33	Specific features of magnetocaloric effect in isotropic antiferromagnets. <i>Physics of Metals and Metallography</i> , 2014, 115, 319-325.	1.0	2
34	The Investigation of Phase Transitions in Two-Dimensional 3-State Antiferromagnetic Potts Model on a Triangular Lattice with Interaction of Next Nearest Neighbors. <i>Solid State Phenomena</i> , 2014, 215, 52-54.	0.3	2
35	Peculiarities of the Magnetocaloric Effect in an Isotropic Antiferromagnet. <i>Solid State Phenomena</i> , 2014, 215, 66-70.	0.3	0
36	Effect of magnetic surface anisotropy on domain wall structure in magnetic triaxial films. <i>Physics of Metals and Metallography</i> , 2013, 114, 279-284.	1.0	0

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37	Magnetocaloric effect in one-dimensional magnets. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1245-1247.	0.6	5
38	Magnetic peculiarities of plutonium and compounds. Physics of Metals and Metallography, 2013, 114, 1155-1181.	1.0	8
39	Phase transitions in the antiferromagnetic Ising model on a square lattice with next-nearest-neighbor interactions. Journal of Experimental and Theoretical Physics, 2013, 117, 1091-1096.	0.9	26
40	Influence of field on frustrations in low-dimensional magnets. Journal of Magnetism and Magnetic Materials, 2012, 324, 3418-3421.	2.3	39
41	Effect of surface anisotropy on the dynamic properties of Néel domain walls in the films with planar anisotropy. Physics of Metals and Metallography, 2011, 112, 450-456.	1.0	2
42	Nonlinear Nonstationary Dynamics of Néel-Type Domain Walls in Magnetic Films with in-Plane Anisotropy. Solid State Phenomena, 2010, 168-169, 215-218.	0.3	0
43	New types of asymmetric domain walls in magnetically biaxial films with a (100) surface. Physics of Metals and Metallography, 2010, 109, 15-21.	1.0	1
44	Phase transitions in crystals with a BCC structure. Physics of Metals and Metallography, 2010, 109, 568-584.	1.0	5
45	Micromagnetic structures and their nonlinear dynamic properties. Physics of Metals and Metallography, 2010, 110, 642-688.	1.0	1
46	Frustrations in low-dimensional magnetic systems. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1452-1454.	0.6	8
47	Frustrations and Phase Transitions in Ising Model on 2D Lattices. Solid State Phenomena, 2010, 168-169, 435-438.	0.3	1
48	Frustrations and Phase Transitions in Low-Dimensional Magnetic Systems. Solid State Phenomena, 2010, 168-169, 427-434.	0.3	1
49	Magnetic properties of Pu-Ga alloys. Journal of Nuclear Materials, 2009, 385, 42-45.	2.7	10
50	Structure and dynamic properties of asymmetric vortexlike domain walls in inhomogeneous magnetic films with an in-plane anisotropy: I. Equilibrium structures. Nonlinear dynamics in two-layered films. Physics of Metals and Metallography, 2009, 107, 151-163.	1.0	4
51	Magnetic and structural transitions in crystals with a structure of the NaCl type. Physics of Metals and Metallography, 2009, 107, 317-329.	1.0	6
52	Structure and dynamic properties of asymmetric vortexlike domain walls in inhomogeneous magnetic films with an in-plane anisotropy: II. Structure rearrangements in three-layer films. Physics of Metals and Metallography, 2009, 108, 19-29.	1.0	3
53	On the vortex nature of the magnetization distribution in magnetic films. Physics of Metals and Metallography, 2009, 108, 538-542.	1.0	1
54	Nonlinear dynamic structure rearrangement of vortexlike domain walls in magnetic films with in-plane anisotropy. Physica D: Nonlinear Phenomena, 2008, 237, 1151-1156.	2.8	10

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55	Dynamics of vortexlike domain walls in triaxial magnetic films with the Goss orientation of the surface. <i>Technical Physics</i> , 2007, 52, 1453-1457.	0.7	1
56	New types of domain walls with vortex-like structure in magnetically multiaxial films. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 1550-1552.	0.6	1
57	Static properties of asymmetric vortex-like domain walls in magnetically uniaxial thick films. <i>Physics of the Solid State</i> , 2006, 48, 1732-1737.	0.6	5
58	A novel type of domain walls with two-dimensional magnetization distribution in magnetic triaxial films. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 298, 1-6.	2.3	11
59	Phase transitions in antiferromagnets with a NaCl structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e559-e562.	2.3	1
60	Effect of a pulsed magnetic field on the nonlinear dynamics of vortexlike domain walls in magnetic films. <i>Technical Physics</i> , 2004, 49, 764-769.	0.7	0
61	Nonlinear dynamics of vortex-like asymmetric domain walls in magnetic triaxial films. <i>Solid State Communications</i> , 2004, 129, 395-399.	1.9	5
62	Thermoluminescence of the blue emission band of perthite. <i>Radiation Effects and Defects in Solids</i> , 2004, 159, 107-114.	1.2	0
63	Nonlinear dynamics of vortexlike domain walls in magnetic films with in-plane anisotropy in a pulsed magnetic field. <i>Physical Review B</i> , 2004, 70, .	3.2	11
64	Exact solutions of one-dimensional Potts models in magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 219-221.	2.3	1
65	One-dimensional ising model with next-nearest-neighbour interaction in magnetic field. <i>Phase Transitions</i> , 2001, 74, 353-365.	1.3	27
66	Nonlinear dynamics of vortexlike domain walls in magnetic films with in-plane anisotropy. <i>Physical Review B</i> , 2001, 64, .	3.2	40
67	Coexistence of tilting and antitilting in cubic perovskites. <i>Phase Transitions</i> , 2000, 70, 277-287.	1.3	0
68	One-dimensional 3-state and 4-state standard Potts models in magnetic field. <i>Phase Transitions</i> , 2000, 71, 39-55.	1.3	9
69	Modified 6-state and 8-state potts models in magnetic field. <i>Phase Transitions</i> , 2000, 72, 223-237.	1.3	11
70	Exact solution of scattering problem on a chain of atoms vibrating in the triple-well potential. <i>Phase Transitions</i> , 1999, 69, 481-493.	1.3	1
71	Diffuse scattering and structural phase transitions. <i>Phase Transitions</i> , 1994, 49, 89-141.	1.3	15
72	The immanent chaotization of crystal structures and the resulting diffuse scattering. IV. Diffuse scattering in perovskites with two-dimensional movable objects (tilting). <i>Acta Crystallographica Section B: Structural Science</i> , 1986, 42, 325-335.	1.8	14

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73	The immanent chaotization of crystal structures and the resulting diffuse scattering. III. Diffuse scattering in perovskites with one-dimensional movable objects ('shifting'). Acta Crystallographica Section B: Structural Science, 1986, 42, 314-325.	1.8	8
74	The immanent chaotization of crystal structures and the resulting diffuse scattering. II. Crystallochemical conditions of perovskite chaotization. Acta Crystallographica Section B: Structural Science, 1986, 42, 307-313.	1.8	26
75	The immanent chaotization of crystal structures and the resulting diffuse scattering. I. Mathematical scheme and physical models. Acta Crystallographica Section B: Structural Science, 1986, 42, 297-306.	1.8	27
76	Magnetic and Structural Phase Transitions in Monochalcogenides of Uranium. Solid State Phenomena, 0, 152-153, 587-590.	0.3	1
77	Exact Solution of 1D Ising Model on Linear Chain with Arbitrary Spin. Materials Science Forum, 0, 845, 93-96.	0.3	8