

Felix A Kassan-Ogly

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nonlinear dynamics of vortexlike domain walls in magnetic films with in-plane anisotropy. <i>Physical Review B</i> , 2001, 64, .	3.2	40
3	Influence of field on frustrations in low-dimensional magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3418-3421.	2.3	39
4	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
5	The immanent chaotization of crystal structures and the resulting diffuse scattering. I. Mathematical scheme and physical models. <i>Acta Crystallographica Section B: Structural Science</i> , 1986, 42, 297-306.	1.8	27
6	One-dimensional Ising model with next-nearest-neighbour interaction in magnetic field. <i>Phase Transitions</i> , 2001, 74, 353-365.	1.3	27
7	The immanent chaotization of crystal structures and the resulting diffuse scattering. II. Crystallochemical conditions of perovskite chaotization. <i>Acta Crystallographica Section B: Structural Science</i> , 1986, 42, 307-313.	1.8	26
8	Phase transitions in the antiferromagnetic Ising model on a square lattice with next-nearest-neighbor interactions. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 1091-1096.	0.9	26
9	Frustrations and Ordering in Magnetic Systems of Various Dimensions. <i>Physics of the Solid State</i> , 2018, 60, 1090-1097.	0.6	17
10	Diffuse scattering and structural phase transitions. <i>Phase Transitions</i> , 1994, 49, 89-141.	1.3	15
11	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
12	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
13	Frustration Properties of the 1D Ising Model. <i>Journal of Experimental and Theoretical Physics</i> , 2019, 128, 778-807.	0.9	12
14	Modified 6-state and 8-state Potts models in magnetic field. <i>Phase Transitions</i> , 2000, 72, 223-237.	1.3	11
15	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
16	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
17	Nonlinear dynamic structure rearrangement of vortexlike domain walls in magnetic films with in-plane anisotropy. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 1151-1156.	2.8	10
18	Magnetic properties of Pu-Ga alloys. <i>Journal of Nuclear Materials</i> , 2009, 385, 42-45.	2.7	10

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19	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
20	One-dimensional 3-state and 4-state standard Potts models in magnetic field. <i>Phase Transitions</i> , 2000, 71, 39-55.	1.3	9
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	Ising Model on Planar Decorated Lattices. Frustrations and Their Influence on Phase Transitions. <i>Physics of Metals and Metallography</i> , 2019, 120, 1359-1365.	1.0	9
23	The immanent chaotization of crystal structures and the resulting diffuse scattering. III. Diffuse scattering in perovskites with one-dimensional movable objects ('shifting'). <i>Acta Crystallographica Section B: Structural Science</i> , 1986, 42, 314-325.	1.8	8
24	Frustrations in low-dimensional magnetic systems. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010, 74, 1452-1454.	0.6	8
25	Magnetic peculiarities of plutonium and compounds. <i>Physics of Metals and Metallography</i> , 2013, 114, 1155-1181.	1.0	8
26	Exact Solution of 1D Ising Model on Linear Chain with Arbitrary Spin. <i>Materials Science Forum</i> , 0, 845, 93-96.	0.3	8
27	Frustration and Phase Transitions in Ising Model on Decorated Square Lattice. <i>Physics of Metals and Metallography</i> , 2019, 120, 1366-1372.	1.0	8
28	Decorated Ising Square Lattice in a Magnetic Field. <i>Physics of the Solid State</i> , 2020, 62, 770-776.	0.6	8
29	Magnetic and structural transitions in crystals with a structure of the NaCl type. <i>Physics of Metals and Metallography</i> , 2009, 107, 317-329.	1.0	6
30	Correlation function of one-dimensional $s = 1$ Ising model. <i>Physics of Metals and Metallography</i> , 2017, 118, 929-934.	1.0	6
31	Study of Phase Transitions in the Antiferromagnetic Heisenberg Model on a Body-Centered Cubic Lattice by Monte Carlo Simulation. <i>Physics of Metals and Metallography</i> , 2020, 121, 305-309.	1.0	6
32	Nonlinear dynamics of vortex-like asymmetric domain walls in magnetic triaxial films. <i>Solid State Communications</i> , 2004, 129, 395-399.	1.9	5
33	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
34	Phase transitions in crystals with a BCC structure. <i>Physics of Metals and Metallography</i> , 2010, 109, 568-584.	1.0	5
35	Magnetocaloric effect in one-dimensional magnets. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1245-1247.	0.6	5
36	Generalized Ising Model in the Absence of Magnetic Field. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 131, 447-455.	0.9	5

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37	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. <i>Physics of Metals and Metallography</i> , 2009, 107, 151-163.	1.0	4
38	Frustrations and phase transitions in the Ising model on square lattice. <i>Journal of Physics: Conference Series</i> , 2014, 510, 012026.	0.4	4
39	Frustrations on Decorated Planar Lattices in Ising Model. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 1647-1656.	1.8	4
40	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. <i>Physics of Metals and Metallography</i> , 2009, 108, 19-29.	1.0	3
41	Magnetocaloric Effect and Frustrations in One-Dimensional Magnets. <i>Solid State Phenomena</i> , 2015, 233-234, 212-215.	0.3	3
42	Diffuse Scattering on Ising Chain with Competing Interactions. <i>Materials Science Forum</i> , 2016, 845, 122-125.	0.3	3
43	Ordering and frustrations in generalized Ising chain. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012008.	0.4	3
44	Decorated Ising Chain in a Magnetic Field. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 131, 976-987.	0.9	3
45	Effect of surface anisotropy on the dynamic properties of Néel domain walls in the films with planar anisotropy. <i>Physics of Metals and Metallography</i> , 2011, 112, 450-456.	1.0	2
46	On the magnetization of polycrystalline magnets with strong anisotropy. <i>Physics of Metals and Metallography</i> , 2014, 115, 211-225.	1.0	2
47	Specific features of magnetocaloric effect in isotropic antiferromagnets. <i>Physics of Metals and Metallography</i> , 2014, 115, 319-325.	1.0	2
48	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
49	Four-state standard Potts model. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 383, 13-18.	2.3	2
50	Anisotropy of magnetocaloric effects in easy-axis antiferromagnets. <i>Physics of Metals and Metallography</i> , 2016, 117, 435-450.	1.0	2
51	Frustrations and orderings in Ising chain with multiple interactions. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012009.	0.4	2
52	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
53	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
54	Phase transitions in antiferromagnets with a NaCl structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e559-e562.	2.3	1

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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	Magnetic and Structural Phase Transitions in Monochalcogenides of Uranium. <i>Solid State Phenomena</i> , 0, 152-153, 587-590.	0.3	1
58	On the vortex nature of the magnetization distribution in magnetic films. <i>Physics of Metals and Metallography</i> , 2009, 108, 538-542.	1.0	1
59	New types of asymmetric domain walls in magnetically triaxial films with a (100) surface. <i>Physics of Metals and Metallography</i> , 2010, 109, 15-21.	1.0	1
60	Micromagnetic structures and their nonlinear dynamic properties. <i>Physics of Metals and Metallography</i> , 2010, 110, 642-688.	1.0	1
61	Frustrations and Phase Transitions in Ising Model on 2D Lattices. <i>Solid State Phenomena</i> , 2010, 168-169, 435-438.	0.3	1
62	Frustrations and Phase Transitions in Low-Dimensional Magnetic Systems. <i>Solid State Phenomena</i> , 2010, 168-169, 427-434.	0.3	1
63	Twelve-state Potts model in a magnetic field. <i>Physics of Metals and Metallography</i> , 2015, 116, 115-127.	1.0	1
64	Frustrations and Phase Transitions in Low-Dimensional Magnetic Systems. <i>Materials Science Forum</i> , 2016, 845, 111-116.	0.3	1
65	Critical phenomena in 1D Ising model with arbitrary spin. <i>EPJ Web of Conferences</i> , 2018, 185, 03004.	0.3	1
66	Generalized Ising Model in a Magnetic Field. <i>Journal of Experimental and Theoretical Physics</i> , 2021, 133, 191-205.	0.9	1
67	Coexistence of tilting and antitilting in cubic perovskites. <i>Phase Transitions</i> , 2000, 70, 277-287.	1.3	0
68	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
69	Thermoluminescence of the blue emission band of perthite. <i>Radiation Effects and Defects in Solids</i> , 2004, 159, 107-114.	1.2	0
70	Nonlinear Nonstationary Dynamics of Néel-Type Domain Walls in Magnetic Films with in-Plane Anisotropy. <i>Solid State Phenomena</i> , 2010, 168-169, 215-218.	0.3	0
71	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
72	Peculiarities of the Magnetocaloric Effect in an Isotropic Antiferromagnet. <i>Solid State Phenomena</i> , 2014, 215, 66-70.	0.3	0

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73	Diffuse Scattering from Single Crystal Cobalt. <i>Physics of Metals and Metallography</i> , 2018, 119, 229-240.	1.0	0
74	Phase transitions and thermodynamic properties of the antiferromagnetic Potts model on a face-centered cubic lattice. <i>EPJ Web of Conferences</i> , 2018, 185, 11008.	0.3	0
75	Energy analysis of the three-vertex Potts model ground state. <i>Low Temperature Physics</i> , 2018, 44, 1145-1148.	0.6	0
76	Frustrations and phase transitions in magnets of various dimensionality. <i>EPJ Web of Conferences</i> , 2018, 185, 11002.	0.3	0
77	Ground State of an Antiferromagnetic Three-State Potts Model on a Triangular Lattice with Competing Interactions. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 127, 323-327.	0.9	0