

Yuri Izyumov

List of Publications by Year in descending order

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49
papers

1,077
citations

516710

16
h-index

454955

30
g-index

49
all docs

49
docs citations

49
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between superconductivity and magnetism in ferromagnet/superconductor heterostructures. Physics-Uspexhi, 2002, 45, 109-148.	2.2	190
2	Phase Transitions and Crystal Symmetry. , 1990, , .		146
3	Electronic Structure of Strongly Correlated Materials. Springer Series in Solid-state Sciences, 2010, , .	0.3	89
4	Classification of the electronic correlation strength in the iron pnictides: The case of the parent compound $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$ Physical Review B, 2009, 80, .	2.2	82
5	FeAs systems: a new class of high-temperature superconductors. Physics-Uspexhi, 2008, 51, 1261-1286.	2.2	70
6	A diagram technique for Hubbard operators: the magnetic phase diagram in the (t-J) model. Journal of Physics Condensed Matter, 1990, 2, 8905-8923.	1.8	48
7	Problem of the Coexistence of Superconductivity and Ferromagnetism. Physica Status Solidi (B): Basic Research, 1974, 61, 9-64.	1.5	41
8	X-ray spectra and electronic structures of the iron arsenide superconductors $\text{FeAsO}_{1-x}\text{F}_x$		

#	ARTICLE	IF	CITATIONS
19	A generating functional approach to the Hubbard model. European Physical Journal B, 2005, 45, 69-86.	1.5	14
20	A mean-field-type approximation for the (t-J) model. Journal of Physics Condensed Matter, 1994, 6, 5137-5154.	1.8	13
21	Multicritical behavior of the phase diagrams of ferromagnet/superconductor layered structures. JETP Letters, 2000, 71, 138-143.	1.4	12
22	Generalized random-phase approximation in the theory of strongly correlated systems. Journal of Physics Condensed Matter, 1992, 4, 9955-9970.	1.8	8
23	SUPERCONDUCTIVITY IN THE HUBBARD MODEL WITH STRONG COULOMB REPULSION. International Journal of Modern Physics B, 1992, 06, 321-357.	2.0	8
24	Symmetry analysis of the antiferromagnetic phase transitions in hexagonal FeGe. Journal of Physics C: Solid State Physics, 1987, 20, 1713-1728.	1.5	7
25	Phenomenological theory of martensitic and reconstructive phase transitions. Phase Transitions, 1994, 49, 1-55.	1.3	7
26	Tensor order parameters for magnetic-structural phase transitions in crystals with strong spin-lattice coupling. Physical Review B, 1980, 21, 1089-1101.	3.2	6
27	Ï€-phase magnetism in ferromagnet-superconductor superlattices. JETP Letters, 2001, 73, 344-348.	1.4	6
28	The structural phase transition in Ni _{0.25} Zn _{0.75} Fe ₂ O ₄ single crystals. Physica Status Solidi A, 1980, 59, 105-108.	1.7	5
29	Correlation effects in Ni ^{3d} states of LaNiPO. Physical Review B, 2010, 81, .	3.2	5
30	Superconductivity in the Hubbard Model with Strong Coulomb Repulsion. Europhysics Letters, 1991, 16, 497-502.	2.0	4
31	Structural models of FeSex. Journal of Physics Condensed Matter, 2009, 21, 435702.	1.8	4
32	Critical Behaviour near the Intersection of Second-Order Phase Transition Lines in a Random System. Physica Status Solidi (B): Basic Research, 1978, 87, 441-445.	1.5	3
33	The role of the incommensurable atomic structure in the mechanism of the martensite transformation in the invar alloys. Physica Status Solidi A, 1981, 67, 75-82.	1.7	3
34	Soliton Magnetoelastic Excitation in the Heisenberg Ferromagnetic Chain. Physica Status Solidi (B): Basic Research, 1982, 112, 155-159.	1.5	3
35	Ferromagnet/superconductor superlattices as logical devices with two recording channels. Superconductor Science and Technology, 2002, 15, 285-289.	3.5	3
36	Application of the functional integration method to the Heisenberg model of ferromagnetism. Theoretical and Mathematical Physics(Russian Federation), 1970, 5, 1018-1028.	0.9	2

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37	PECULIARITY OF SUPERCONDUCTIVITY IN A METAL WITH A SPIRAL MAGNETIC STRUCTURE. International Journal of Modern Physics B, 1990, 04, 447-472.	2.0	2
38	Basic Models in the Quantum Theory of Magnetism. AIP Conference Proceedings, 2003, , .	0.4	2
39	Study of the Hubbard model at half filling. Theoretical and Mathematical Physics(Russian Federation), 2008, 154, 52-63.	0.9	2
40	Magnetoelastic soliton excitation in a quasi-one-dimensional antiferromagnet. Theoretical and Mathematical Physics(Russian Federation), 1982, 51, 611-614.	0.9	1
41	DIAGRAM TECHNIQUE FOR SPIN-OPERATORS AND ITS APPLICATIONS TO SOME PROBLEMS OF FERROMAGNETISM. Journal De Physique Colloque, 1971, 32, C1-86-C1-88.	0.2	1
42	MAGNETIC POLARON IN FERROMAGNETIC CRYSTAL. Journal De Physique Colloque, 1971, 32, C1-1076-C1-1078.	0.2	0
43	Phenomenological theory of phase transitions with quantum-mechanical order parameters. Phase Transitions, 1998, 66, 23-79.	1.3	0
44	In memory of Eduard Leonovich Nagaev. Physics-Uspekhi, 2002, 45, 565-566.	2.2	0
45	In memory of Vladimir Markovich Eleonskii. Physics-Uspekhi, 2003, 46, 443-444.	2.2	0
46	The periodic Anderson model in the generating functional approach. AIP Conference Proceedings, 2005, , .	0.4	0
47	Adjustment of superconductivity and ferromagnetism in few-layered ferromagnet-superconductor nanostructures. Low Temperature Physics, 2006, 32, 809-818.	0.6	0
48	Evgenii Grigorievich Maksimov (on his 70th birthday). Physics-Uspekhi, 2008, 51, 1087-1088.	2.2	0
49	Mössbauer spectroscopy and its applications: Russia-2009. Physics of Metals and Metallography, 2010, 109, 415-416.	1.0	0