

Yuri Izyumov

List of Publications by Year in descending order

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49
papers

1,077
citations

516710

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454955

30
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49
all docs

49
docs citations

49
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Mössbauer spectroscopy and its applications: Russia-2009. Physics of Metals and Metallography, 2010, 109, 415-416.	1.0	0
2	Correlation effects in d states of LaNiPO. Physical Review B, 2010, 81, .	3.2	5
3	High-Tc Superconductors Based on FeAs Compounds. Springer Series in Materials Science, 2010, , .	0.6	34
4	Electronic Structure of Strongly Correlated Materials. Springer Series in Solid-state Sciences, 2010, , .	0.3	89
5	Contribution of d states to the Fermi level of $CaFe_2$. Physical Review B, 2009, 80, .	3.2	27
6	Identifying valence structure in LiFeAs and NaFeAs with core-level spectroscopy. Journal of Physics Condensed Matter, 2009, 21, 345701.	1.8	16
7	Classification of the electronic correlation strength in the iron pnictides: the case of the parent compound $BaFe_2$. Physical Review B, 2009, 80, .	3.2	82
8	Structural models of FeSex. Journal of Physics Condensed Matter, 2009, 21, 435702.	1.8	4
9	Study of the Hubbard model at half filling. Theoretical and Mathematical Physics(Russian Federation), 2008, 154, 52-63.	0.9	2
10	Materials with strong electron correlations. Physics-Uspexhi, 2008, 51, 23-56.	2.2	32
11	FeAs systems: a new class of high-temperature superconductors. Physics-Uspexhi, 2008, 51, 1261-1286.	2.2	70
12	Evgenii Grigorievich Maksimov (on his 70th birthday). Physics-Uspexhi, 2008, 51, 1087-1088.	2.2	0
13	X-ray spectra and electronic structures of the iron arsenide superconductors $RFeAsO$.		

#	ARTICLE	IF	CITATIONS
19	Competition between superconductivity and magnetism in ferromagnet/superconductor heterostructures. Physics-Uspekhi, 2002, 45, 109-148.	2.2	190
20	Ferromagnet/superconductor superlattices as logical devices with two recording channels. Superconductor Science and Technology, 2002, 15, 285-289.	3.5	3
21	In memory of Eduard Leonovich Nagaev. Physics-Uspekhi, 2002, 45, 565-566.	2.2	0
22	Longitudinal spin dynamics in the Heisenberg ferromagnet: Diagrammatic approach. Physical Review B, 2002, 65, .	3.2	20
23	π -phase magnetism in ferromagnet-superconductor superlattices. JETP Letters, 2001, 73, 344-348.	1.4	6
24	π magnetic states of ferromagnet/superconductor superlattices. Physical Review B, 2001, 64, .	3.2	21
25	Multicritical behavior of the phase diagrams of ferromagnet/superconductor layered structures. JETP Letters, 2000, 71, 138-143.	1.4	12
26	Phenomenological theory of phase transitions with quantum-mechanical order parameters. Phase Transitions, 1998, 66, 23-79.	1.3	0
27	Phenomenological theory of martensitic and reconstructive phase transitions. Phase Transitions, 1994, 49, 1-55.	1.3	7
28	A mean-field-type approximation for the (t-J) model. Journal of Physics Condensed Matter, 1994, 6, 5137-5154.	1.8	13
29	Generalized random-phase approximation in the theory of strongly correlated systems. Journal of Physics Condensed Matter, 1992, 4, 9955-9970.	1.8	8
30	SUPERCONDUCTIVITY IN THE HUBBARD MODEL WITH STRONG COULOMB REPULSION. International Journal of Modern Physics B, 1992, 06, 321-357.	2.0	8
31	A THEORY OF FERROMAGNETISM IN THE HUBBARD MODEL WITH INFINITE COULOMB INTERACTION. International Journal of Modern Physics B, 1992, 06, 3479-3514.	2.0	19
32	Theory of strongly correlated electron systems on the basis of a diagrammatic technique for Hubbard operators. Physical Review B, 1992, 46, 15697-15711.	3.2	29
33	Superconductivity in the Hubbard Model with Strong Coulomb Repulsion. Europhysics Letters, 1991, 16, 497-502.	2.0	4
34	Spin fluctuations and superconducting states in the Hubbard model with a strong Coulomb repulsion. Journal of Physics Condensed Matter, 1991, 3, 5373-5391.	1.8	28
35	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
36	PECULIARITY OF SUPERCONDUCTIVITY IN A METAL WITH A SPIRAL MAGNETIC STRUCTURE. International Journal of Modern Physics B, 1990, 04, 447-472.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Phase Transitions and Crystal Symmetry. , 1990, , .		146
38	Symmetry analysis of the antiferromagnetic phase transitions in hexagonal FeGe. Journal of Physics C: Solid State Physics, 1987, 20, 1713-1728.	1.5	7
39	Magnetoelastic soliton excitation in a quasi-one-dimensional antiferromagnet. Theoretical and Mathematical Physics(Russian Federation), 1982, 51, 611-614.	0.9	1
40	Soliton Magnetoelastic Excitation in the Heisenberg Ferromagnetic Chain. Physica Status Solidi (B): Basic Research, 1982, 112, 155-159.	1.5	3
41	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
42	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
43	Magnetic structure of the Fe _{1-x} Ni invar alloys. Physica Status Solidi A, 1980, 61, 159-167.	1.7	23
44	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
45	Critical Behaviour near the Intersection of Secondâ€Order Phase Transition Lines in a Random System. Physica Status Solidi (B): Basic Research, 1978, 87, 441-445.	1.5	3
46	Problem of the Coexistence of Superconductivity and Ferromagnetism. Physica Status Solidi (B): Basic Research, 1974, 61, 9-64.	1.5	41
47	MAGNETIC POLARON IN FERROMAGNETIC CRYSTAL. Journal De Physique Colloque, 1971, 32, C1-1076-C1-1078.	0.2	0
48	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
49	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