

Aleksandr Gusev

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

3,369
citations

29
h-index

48
g-index

214
ext. papers

3,617
ext. citations

1.6
avg, IF

6.06
L-index

#	Paper	IF	Citations
208	Structural and mechanical properties of predicted vacancy ordered tantalum carbide phases. <i>Acta Materialia</i> , 2022 , 223, 117449	8.4	2
207	Effect of defectiveness of carbon sublattice on elastic properties and microstrains of disordered cubic tantalum carbide TaC. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022 , 103, 105760	4.1	0
206	Vacancy ordered phases of nonstoichiometric hafnium carbide from evolutionary crystal structure predictions. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 162063	5.7	0
205	Polymorphic Phase Transformations in Nanocrystalline Ag ₂ S Silver Sulfide in a Wide Temperature Interval and Influence of Nanostructured Ag ₂ S on the Interface Formation in Ag ₂ S/ZnS Heteronanostructure. <i>Nanomaterials</i> , 2022 , 12, 1668	5.4	0
204	Placement of H atoms in the crystal lattice of cubic titanium oxyhydride: Simulation and diffraction experiment. <i>Mendeleev Communications</i> , 2022 , 32, 302-304	1.9	
203	Phase Transition in Ag ₂ S and the Relative Position of Atomic Planes of the $\sqrt{3}\sqrt{3}$ Ag ₂ S and $\sqrt{3}\sqrt{3}$ Ag ₂ S Phases. <i>JETP Letters</i> , 2021 , 114, 156-162	1.2	
202	Nonstoichiometry, structure and properties of nanocrystalline oxides, carbides and sulfides. <i>Russian Chemical Reviews</i> , 2021 , 90, 601-626	6.8	6
201	Interface in Ag ₂ S/ZnS Nanoheterostructures. <i>JETP Letters</i> , 2021 , 113, 706-712	1.2	3
200	Elastic properties of superionic cubic silver sulfide $\sqrt{3}\sqrt{3}$ Ag ₂ S. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2914-2922	3.6	5
199	Effect of nonstoichiometry on elastic properties of niobium carbide NbC. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 95, 105435	4.1	9
198	Mechanical properties of nonstoichiometric cubic titanium carbide TiC. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18558-18567	3.6	2
197	High-energy ball milling of nonstoichiometric compounds. <i>Physics-Uspekhi</i> , 2020 , 63, 342-364	2.8	6
196	Low-temperature decomposition and segregation on a surface in carbide-containing solid solutions of the zirconium-niobium-carbon system and in related ternary systems. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14918-14931	3.6	6
195	M5C ₄ Phases: New Family of Carbide Superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2020 , 131, 572-581	1	2
194	Anisotropy of microstructure and elastic properties of niobium carbide nanopowders. <i>Solid State Sciences</i> , 2020 , 100, 106092	3.4	11
193	Disorder-order and order-order phase transformations in TaC phases predicted using the evolutionary algorithm and symmetry analysis. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24116-24132	3.6	4
192	Synthesis of Ag ₂ S colloidal solutions in DO heavy water.. <i>RSC Advances</i> , 2020 , 10, 40171-40179	3.7	2

191	Niobium Monoxide Superstructures. <i>JETP Letters</i> , 2020 , 111, 176-182	1.2	1
190	Argentite-Acanthite Transformation in Silver Sulfide as a Disorder-Order Transition. <i>JETP Letters</i> , 2019 , 109, 584-588	1.2	7
189	Atomic Displacements in the β Phase Transition in Ag ₂ S and in Ag ₂ S/Ag Heterostructure. <i>Journal of Experimental and Theoretical Physics</i> , 2019 , 129, 1005-1016	1	6
188	Argentite-Acanthite Transition in Silver Sulfide as a Two-Sublattice Ordering. <i>Journal of Experimental and Theoretical Physics</i> , 2019 , 129, 1045-1054	1	3
187	Ordering Sequence in Strongly Nonstoichiometric Niobium Carbide with the Formation of Nb ₆ C ₅ -Type Superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2019 , 129, 863-876	1	8
186	Thermal expansion, heat capacity and phase transformations in nanocrystalline and coarse-crystalline silver sulfide at 290-370 K. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 1155-1164	4.1	19
185	Size Characterization of Nanostructured Materials. <i>Springer Series in Materials Science</i> , 2018 , 1-29	0.9	
184	Nanostructured Cadmium Sulfide CdS. <i>Springer Series in Materials Science</i> , 2018 , 127-188	0.9	1
183	Nanostructured silver sulfide: synthesis of various forms and their application. <i>Russian Chemical Reviews</i> , 2018 , 87, 303-327	6.8	38
182	Effect of Particle Size and Specific Surface Area on the Determination of the Density of Nanocrystalline Silver Sulfide Ag ₂ S Powders. <i>Physics of the Solid State</i> , 2018 , 60, 877-881	0.8	2
181	The Effect of Temperature on the Particle Sizes and the Recrystallization of Silver Sulfide Nanopowders. <i>Physics of the Solid State</i> , 2018 , 60, 1308-1315	0.8	4
180	Nanostructured Lead, Cadmium, and Silver Sulfides. <i>Springer Series in Materials Science</i> , 2018 ,	0.9	29
179	Nanostructured Lead Sulfide PbS. <i>Springer Series in Materials Science</i> , 2018 , 31-126	0.9	1
178	Nanostructured Silver Sulfide Ag ₂ S. <i>Springer Series in Materials Science</i> , 2018 , 189-312	0.9	2
177	Microinhomogeneity of the Structure of Nanocrystalline Niobium and Vanadium Carbides. <i>JETP Letters</i> , 2018 , 108, 253-259	1.2	5
176	Structure and properties of nanoscale Ag ₂ S/Ag heterostructure. <i>Materials Letters</i> , 2017 , 188, 351-354	3.3	16
175	Effects of nonstoichiometry and ordering on the basic lattice constant of vanadium carbide VC _y . <i>JETP Letters</i> , 2017 , 105, 357-363	1.2	2
174	Evolution of microstructure of niobium carbide NbC _{0.77} powders. <i>Crystal Research and Technology</i> , 2017 , 52, 1700061	1.3	5

173	Synthesis and characterization of novel stellate sea-urchin-like silver particles with extremely low density and superhydrophobicity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20289-20297	13	5
172	Effect of nonstoichiometry on the lattice constant of cubic vanadium carbide VC _y . <i>Physics of the Solid State</i> , 2017 , 59, 1520-1525	0.8	6
171	Recent progress in nanostructured silver sulfide: from synthesis and nonstoichiometry to properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17676-17704	13	102
170	Thermal expansion and the heat capacity of nanocrystalline and coarse-crystalline silver sulfide Ag ₂ S. <i>Physics of the Solid State</i> , 2017 , 59, 1887-1894	0.8	12
169	Density and particle size of cubic niobium carbide NbC _y nanocrystalline powders. <i>Physics of the Solid State</i> , 2017 , 59, 184-190	0.8	2
168	Time-of-flight neutron diffraction of nanocrystalline powders of nonstoichiometric niobium carbide NbC _{0.77} . <i>Physics of the Solid State</i> , 2017 , 59, 607-612	0.8	5
167	Ag ₂ S/Ag heteronanostructure. <i>JETP Letters</i> , 2017 , 106, 587-592	1.2	4
166	Stellate superhydrophobic silver particles. <i>JETP Letters</i> , 2017 , 106, 454-459	1.2	2
165	Short-range order and correlations of S atoms in thin-layer PbS structures. <i>Mendeleev Communications</i> , 2017 , 27, 589-591	1.9	2
164	Effect of small particle sizes on the measured density of nanocrystalline powders of nonstoichiometric tantalum carbide TaC _y . <i>Physics of the Solid State</i> , 2016 , 58, 1687-1693	0.8	5
163	Microstructure of nanocrystalline powders of nonstoichiometric vanadium VC _{0.875} and niobium NbC _{0.93} carbides. <i>Journal of Surface Investigation</i> , 2016 , 10, 1136-1142	0.5	
162	Silver sulfide nanoparticles with a carbon-containing shell. <i>Inorganic Materials</i> , 2016 , 52, 441-446	0.9	12
161	High-temperature X-ray diffraction and thermal expansion of nanocrystalline and coarse-crystalline acanthite β -Ag ₂ S and argentite α -Ag ₂ S. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4617-26	3.6	49
160	Thermal expansion of nanocrystalline and coarse-crystalline silver sulfide Ag ₂ S. <i>Physics of the Solid State</i> , 2016 , 58, 251-257	0.8	17
159	Acanthite \leftrightarrow argentite transformation in nanocrystalline silver sulfide and the Ag ₂ S/Ag nanoheterostructure. <i>Semiconductors</i> , 2016 , 50, 682-687	0.7	13
158	Polymorphic transformation in nanocrystalline silver sulfide. <i>Physics of the Solid State</i> , 2016 , 58, 30-36	0.8	21
157	Facile synthesis, structure, and properties of Ag ₂ S/Ag heteronanostructure. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	22
156	Universal Approach to the Synthesis of Silver Sulfide in the Forms of Nanopowders, Quantum Dots, Core-Shell Nanoparticles, and Heteronanostructures. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4944-4957	2.3	31

155	Nanostructured lead sulfide: synthesis, structure and properties. <i>Russian Chemical Reviews</i> , 2016 , 85, 731-758	6.8	39
154	Milling of nonstoichiometric niobium carbide powder to a nanocrystalline state. <i>Inorganic Materials</i> , 2015 , 51, 29-37	0.9	7
153	A sequence of transformations related to the formation of M ₃ X ₂ -type superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 120, 91-96	1	5
152	Neutron diffraction study of nanocrystalline NbC _{0.93} powders and the anisotropy of deformation distortions. <i>JETP Letters</i> , 2015 , 100, 629-634	1.2	17
151	Effect of the nonstoichiometry of tantalum carbide TaC _y on the particle size of nanopowders prepared by milling. <i>Physics of the Solid State</i> , 2015 , 57, 70-78	0.8	9
150	Domains of the phases V ₈ C ₇ and V ₃ C ₂ in bulk carbide VC _y . <i>JETP Letters</i> , 2015 , 101, 533-538	1.2	11
149	Family of Ti ₅ O ₅ superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 120, 851-859	1	9
148	Effect of the milling energy on the anisotropy of deformation distortions in nanocrystalline powders of nonstoichiometric tantalum carbide TaC _y . <i>Physics of the Solid State</i> , 2015 , 57, 1166-1176	0.8	8
147	Artificial silver sulfide Ag ₂ S: Crystal structure and particle size in deposited powders. <i>Superlattices and Microstructures</i> , 2015 , 83, 35-47	2.8	71
146	Nonstoichiometry of nanocrystalline monoclinic silver sulfide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12466-71	3.6	72
145	Strain distortions in vanadium carbide VC _{0.875} nanopowders. <i>Mendeleev Communications</i> , 2015 , 25, 353-355	3.5	3
144	An in situ high-temperature scanning electron microscopy study of acanthite-argentite phase transformation in nanocrystalline silver sulfide powder. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 20495-501	3.6	43
143	Hydrochemical precipitation of nanocrystalline lead sulfide powders. <i>Inorganic Materials</i> , 2015 , 51, 1219-1224	1.2	1
142	V ₈ C ₇ superstructure in nonstoichiometric vanadium carbide powders. <i>JETP Letters</i> , 2015 , 102, 154-160	1.2	14
141	Structure and stoichiometry of nanocrystalline silver sulfide. <i>Doklady Physical Chemistry</i> , 2015 , 464, 238-243	2.4	6
140	Anisotropy of strain distortions in nanocrystalline VC _{0.875} powders. <i>Physics of the Solid State</i> , 2015 , 57, 1855-1860	0.8	3
139	Preparation of nanocrystalline lead sulfide powder with controlled particles size. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 173-180	0.7	5
138	Sequence of transformations during ordering of nonstoichiometric compounds with the formation of M ₃ X ₂ -type superstructures. <i>Physics of the Solid State</i> , 2014 , 56, 2092-2099	0.8	

137	Preparation and structural characterization of nanocrystalline vanadium carbide VCy powder on the upper boundary of its homogeneity interval. <i>Mendeleev Communications</i> , 2014 , 24, 338-339	1.9	5
136	Nonstoichiometry and superstructures. <i>Physics-USpekhi</i> , 2014 , 57, 839-876	2.8	25
135	Thermal expansion of nanostructured PbS films and anharmonicity of atomic vibrations. <i>Physics of the Solid State</i> , 2014 , 56, 2353-2358	0.8	13
134	Nonstoichiometry and superstructures. <i>Uspekhi Fizicheskikh Nauk</i> , 2014 , 184, 905-945	0.5	4
133	Elastic and thermal properties of Zr z Nb1 - z C x N y solid solutions. <i>Physics of the Solid State</i> , 2013 , 55, 1557-1561	0.8	5
132	Ti5O5 superstructures of cubic titanium monoxide. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 293-308	1	26
131	Preparation and microstructure of VC0.875 nanopowder. <i>Inorganic Materials</i> , 2013 , 49, 347-354	0.9	8
130	Accounting for nonstoichiometry of niobium carbide NbC y upon milling to a nanocrystalline state. <i>Physics of the Solid State</i> , 2013 , 55, 2522-2530	0.8	11
129	Tungsten Carbides. <i>Springer Series in Materials Science</i> , 2013 ,	0.9	69
128	Microstructure of nanocrystalline nonstoichiometric vanadium carbide VC0.875. <i>Physics of the Solid State</i> , 2013 , 55, 430-436	0.8	4
127	Phases and Equilibria in the WC and WC-Co Systems. <i>Springer Series in Materials Science</i> , 2013 , 5-56	0.9	4
126	Ordering of Tungsten Carbides. <i>Springer Series in Materials Science</i> , 2013 , 57-108	0.9	5
125	Nanocrystalline Tungsten Carbide. <i>Springer Series in Materials Science</i> , 2013 , 109-189	0.9	1
124	Hardmetals WC-Co Based on Nanocrystalline Powders of Tungsten Carbide WC. <i>Springer Series in Materials Science</i> , 2013 , 191-237	0.9	1
123	Vacuum annealing of nanocrystalline WC powders. <i>Inorganic Materials</i> , 2012 , 48, 680-690	0.9	7
122	Considering the polynuclear complexes in the ionic equilibria of the Pb2+-H2O system. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 626-634	0.7	2
121	Diffraction of electrons in the CubicTi5O5 superstructure of titanium monoxide. <i>JETP Letters</i> , 2012 , 96, 364-369	1.2	27
120	Effect of particle size on the oxidation of WC powders during heating. <i>Inorganic Materials</i> , 2011 , 47, 133-138	1.38	17

119	Diffuse scattering of electrons in the process of ordering of the solid solution of boron in palladium PdB _y (y ≈ 1/6). <i>JETP Letters</i> , 2011 , 93, 447-452	1.2	
118	Long- and short-range order in the Pd ₆ B monoclinic superstructure and M ₆ X ₅ and M ₆ X allied superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 96-105	1	3
117	Optical properties of nanostructured lead sulfide films with a D ₀₃ cubic structure. <i>Semiconductors</i> , 2011 , 45, 1559-1570	0.7	13
116	Symmetry analysis of ordered phases of the lower tungsten carbide W ₂ C. <i>Physics of the Solid State</i> , 2011 , 53, 175-181	0.8	7
115	Symmetry analysis of the monoclinic Pd ₆ B superstructure: Long- and short-range orders. <i>Physics of the Solid State</i> , 2011 , 53, 1664-1671	0.8	3
114	Model for milling of powders. <i>Technical Physics</i> , 2011 , 56, 975-980	0.5	29
113	Sequence of disorder-order and order-order transitions accompanying the formation of M ₂ X superstructures. <i>JETP Letters</i> , 2010 , 91, 119-124	1.2	5
112	D ₀₃ -type cubic structure of nonstoichiometric vanadium monoxide. <i>JETP Letters</i> , 2010 , 91, 286-291	1.2	4
111	Particle size effects on the oxidation of tungsten carbide nanopowders. <i>Russian Journal of Physical Chemistry A</i> , 2010 , 84, 2095-2101	0.7	8
110	Determination of the probability of existence of pair interactions in the formation of M ₂ X ₂ Superstructures in M _x Y nonstoichiometric compounds. <i>Physics of the Solid State</i> , 2010 , 52, 370-376	0.8	3
109	Ordering of M _x Y nonstoichiometric compounds with the formation of M ₂ X superstructures. <i>Physics of the Solid State</i> , 2010 , 52, 1935-1940	0.8	3
108	Quasielastic neutron scattering study of hydrogen motion in NbC _(0.71) H _(0.28) . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 175410	1.8	4
107	Mechanical milling process modeling and making WC nanocrystalline powder. <i>Inorganic Materials</i> , 2009 , 45, 35-42	0.9	19
106	Neutron diffraction analysis of a defect vanadium monoxide close to the equiatomic vanadium monoxide. <i>JETP Letters</i> , 2009 , 89, 194-199	1.2	4
105	New crystalline phase in thin lead sulfide films. <i>JETP Letters</i> , 2009 , 89, 238-243	1.2	23
104	Effect of carbon vacancies on the electric resistivity of nonstoichiometric VC _y vanadium carbide. <i>JETP Letters</i> , 2009 , 90, 191-196	1.2	4
103	Atomic displacements in the V ₅₂ O ₆₄ superstructure and the short-range order in superstoichiometric cubic VO _y vanadium monoxide with metal vacancies. <i>JETP Letters</i> , 2009 , 90, 376-381 ^{1,2}		2
102	The disorder-order transition in cubic vanadium monoxide with vacancies in the metal sublattice. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 108, 267-278	1	5

101	Sequence of phase transformations in the formation of superstructures of the M ₆ C ₅ type in nonstoichiometric carbides. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 109, 417-433	1	24
100	Ordered monoclinic vanadium suboxide V ₁₄ O ₆ . <i>Physics of the Solid State</i> , 2009 , 51, 156-164	0.8	3
99	Ordering of nonstoichiometric hexagonal compounds M ₂ X: A sequence of special figures. <i>Physics of the Solid State</i> , 2009 , 51, 2051-2057	0.8	5
98	Monoclinic superstructure V ₁₄ O ₆ of the tetragonal solid solution of oxygen in vanadium. <i>JETP Letters</i> , 2008 , 86, 657-661	1.2	2
97	Triple correlations in a A _y B ₁ solid solution with a planar hexagonal lattice. <i>JETP Letters</i> , 2008 , 87, 248-252	1.2	
96	V ₅₂ O ₆₄ tetragonal superstructure of cubic vanadium monoxide with vacancies in the metal sublattice. <i>JETP Letters</i> , 2008 , 88, 111-117	1.2	3
95	Surface segregation in decomposing carbide solid solutions. <i>JETP Letters</i> , 2008 , 88, 435-440	1.2	10
94	Production of nanocrystalline powders by high-energy ball milling: model and experiment. <i>Nanotechnology</i> , 2008 , 19, 265302	3.4	90
93	Band structure and properties of polymorphic modifications of lower tungsten carbide W ₂ C. <i>Physics of the Solid State</i> , 2008 , 50, 1420-1426	0.8	16
92	Relationship between triple and pair correlations in an A _y B ₁ solid solution with a planar hexagonal lattice. <i>Physics of the Solid State</i> , 2008 , 50, 2256-2260	0.8	
91	Crystal structure and microstructure of disordered and ordered vanadium carbonitrides. <i>Inorganic Materials</i> , 2007 , 43, 827-833	0.9	2
90	Effect of ordering on the structure and heat capacity of cubic vanadium carbonitrides VC _x N _y . <i>JETP Letters</i> , 2007 , 84, 598-603	1.2	1
89	Ordering of the lowest tungsten carbide W ₂ C. <i>JETP Letters</i> , 2007 , 85, 34-39	1.2	11
88	Allowed regions of pair correlations and probabilities of multiparticle figures. <i>JETP Letters</i> , 2007 , 86, 108-114	1.2	
87	Phase transitions in the lowest tungsten carbide W ₂ C. <i>Doklady Physics</i> , 2007 , 52, 656-662	0.8	6
86	Atomic-vacancy ordering in the lowest tungsten carbide W ₂ C. <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 105, 710-721	1	4
85	Magnetic susceptibility and thermal stability of particle size of nanocrystalline tungsten carbide WC. <i>Physics of the Solid State</i> , 2007 , 49, 1780-1786	0.8	2
84	Effect of ball milling parameters on the particle size in nanocrystalline powders. <i>Technical Physics Letters</i> , 2007 , 33, 828-832	0.7	19

83	Determination of the particle sizes, microstrains, and degree of inhomogeneity in nanostructured materials from X-ray diffraction data. <i>Glass Physics and Chemistry</i> , 2007 , 33, 276-282	0.7	25
82	Neutron and x-ray diffraction study and symmetry analysis of phase transformations in lower tungsten carbide W ₂ C. <i>Physical Review B</i> , 2007 , 76,	3.3	48
81	. <i>Physics-Uspekhi</i> , 2006 , 49, 693	2.8	22
80	Phase equilibria in the W-C system and tungsten carbides. <i>Russian Chemical Reviews</i> , 2006 , 75, 617-636	6.8	100
79	Annealing-induced ordering of bulk nonstoichiometric vanadium carbide. <i>Inorganic Materials</i> , 2006 , 42, 14-18	0.9	7
78	Tungsten carbides and W-C phase diagram. <i>Inorganic Materials</i> , 2006 , 42, 121-127	0.9	181
77	Pair correlations and probabilities of many-particle configurations occurring in a flat triangular lattice. <i>Physics of the Solid State</i> , 2006 , 48, 854-863	0.8	
76	Atomic-vacancy ordering in the carbide phase δ -Ta ₄ C ₃ -x. <i>Physics of the Solid State</i> , 2006 , 48, 1634-1645	0.8	9
75	Twinning and short-range order in ordered titanium monoxide. <i>Physics of the Solid State</i> , 2006 , 48, 1689-1697	1.2	18
74	Short-range order and diffuse scattering in nonstoichiometric compounds. <i>Uspekhi Fizicheskikh Nauk</i> , 2006 , 176, 717	0.5	3
73	Consideration of pair correlations in the probabilities of multiparticle figures. <i>Doklady Physics</i> , 2005 , 50, 18-24	0.8	
72	Ordering in the δ -Ta ₄ C ₃ carbide phase. <i>JETP Letters</i> , 2005 , 82, 287-291	1.2	10
71	Magnetic susceptibility of tungsten carbide: Relaxation and impurity effects. <i>JETP Letters</i> , 2005 , 82, 509	1.2	4
70	Magnetic Susceptibility and Thermal Stability of Nanocrystalline Tungsten Carbide. <i>Doklady Physical Chemistry</i> , 2005 , 405, 229-234	0.8	4
69	Magnetic susceptibility of nonstoichiometric compounds of transition d-metals. <i>Physics-Uspekhi</i> , 2005 , 48, 651-673	2.8	10
68	Magnetic susceptibility of nonstoichiometric compounds of transition d-metals. <i>Uspekhi Fizicheskikh Nauk</i> , 2005 , 175, 681	0.5	5
67	Ordered phases of lithium nickelite Li _{1-x} Ni _{1+x} O ₂ . <i>JETP Letters</i> , 2004 , 79, 148-154	1.2	2
66	Short-range order and twins in ordered titanium monoxide. <i>JETP Letters</i> , 2004 , 79, 468-472	1.2	4

65	Cluster formation in $\text{LiNi}_0.4\text{Fe}_0.6\text{O}_2$. <i>Physics of the Solid State</i> , 2004 , 46, 1686-1692	0.8	4
64	Atomic ordering as a new way of nanostructure creation in solids. <i>Journal of Structural Chemistry</i> , 2004 , 45, S14-S22	0.9	1
63	Temperature Range of Decomposition and Degradation of $\text{Cd}_x\text{Pb}_{1-x}\text{S}$ Supersaturated Solid Solutions. <i>Doklady Physical Chemistry</i> , 2003 , 390, 147-151	0.8	10
62	Structure and Specific Heat of Disordered and Ordered Titanium Monoxide TiO_y . <i>Journal of Structural Chemistry</i> , 2003 , 44, 235-242	0.9	3
61	Analysis of Surface Segregation and Solid-Phase Decomposition of Substitutional Solid Solutions. <i>Doklady Physical Chemistry</i> , 2003 , 392, 235-239	0.8	5
60	X-ray Diffraction Study of the Nanostructure Resulting from Decomposition of $(\text{ZrC})_{1-x}(\text{NbC})_x$ Solid Solutions. <i>Inorganic Materials</i> , 2003 , 39, 43-47	0.9	9
59	Observation of structural vacancies in titanium monoxide using transmission electron microscopy. <i>Physics of the Solid State</i> , 2003 , 45, 87-93	0.8	29
58	Observation of structural vacancies. <i>JETP Letters</i> , 2003 , 77, 25-29	1.2	16
57	The influence of imperfection of the crystal lattice on the electrokinetic and magnetic properties of disordered titanium monoxide. <i>Physics of the Solid State</i> , 2003 , 45, 1242-1250	0.8	20
56	Atomic Ordering as a New Method of Producing a Nanostructure 2003 , 313-327		3
55	Surface segregation of ZrC from a carbide solid solution. <i>Physics of the Solid State</i> , 2002 , 44, 68-74	0.8	8
54	Electrokinetic and magnetic properties of cubic titanium monoxide with a double-defect structure. <i>Doklady Physics</i> , 2002 , 47, 39-43	0.8	3
53	Nanostructure of Dispersed and Compact Nonstoichiometric Vanadium Carbide. <i>Russian Journal of General Chemistry</i> , 2002 , 72, 997-1006	0.7	3
52	Electronic Structure, Chemical Bonding, and Properties of Binary Carbides $\text{M}_x\text{M}'_y\text{C}_z$ in the Crystalline and Molecular States: XES, XPS, and Quantum-Chemical Studies. <i>Journal of Structural Chemistry</i> , 2001 , 42, 1002-1024	0.9	12
51	Ordering of Cubic Titanium Monoxide into Monoclinic Ti_5O_5 . <i>Inorganic Materials</i> , 2001 , 37, 603-612	0.9	78
50	ZrC Segregation to the Surface of Dilute Solid Solutions of Zirconium Carbide in Niobium Carbide. <i>Inorganic Materials</i> , 2001 , 37, 1024-1029	0.9	8
49	Magnetic Susceptibility as a Method of Investigation of Short-Range Ordering in Highly Nonstoichiometric Carbides. <i>Journal of Structural Chemistry</i> , 2001 , 42, 470-484	0.9	3
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41	Ordering effects on the microstructure and microhardness of nonstoichiometric titanium carbide TiC _y . <i>Inorganic Materials</i> , 2000 , 36, 695-698	0.9	10
40	Order-disorder transformations and phase equilibria in strongly nonstoichiometric compounds. <i>Physics-Uspekhi</i> , 2000 , 43, 1-37	2.8	72
39	Order-disorder transformations and phase equilibria in strongly nonstoichiometric compounds. <i>Uspekhi Fizicheskikh Nauk</i> , 2000 , 170, 3	0.5	33
38	Phase transformations in non-stoichiometric vanadium carbide. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 163-184	1.8	57
37	Order-disorder phase transformations and specific heat of nonstoichiometric vanadium carbide. <i>Physics of the Solid State</i> , 1999 , 41, 474-480	0.8	15
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30	Atomic Ordering and Phase Equilibria in Strongly Nonstoichiometric Carbides and Nitrides 1999 , 47-64		20

29	Disorder-order phase transformations and electrical resistivity of nonstoichiometric titanium carbide. <i>Physics of the Solid State</i> , 1998 , 40, 1211-1218	0.8	42
28	Nitrogen Partial Pressure of Stoichiometric and Nonstoichiometric Titanium, Vanadium and Niobium Nitrides and Carbonitrides. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 209, 267-286	1.3	13
27	Effects of the nanocrystalline state in solids. <i>Physics-Uspexhi</i> , 1998 , 41, 49-76	2.8	73
26	Effects of the nanocrystalline state in solids. <i>Uspekhi Fizicheskikh Nauk</i> , 1998 , 168, 55	0.5	92
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24	Atomic ordering and hardness of nonstoichiometric titanium carbide. <i>International Journal of Refractory Metals and Hard Materials</i> , 1997 , 15, 61-64	4.1	43
23	Phase Diagrams of Metal-Carbon and Metal-Nitrogen Systems and Ordering in Strongly Nonstoichiometric Carbides and Nitrides. <i>Physica Status Solidi A</i> , 1997 , 163, 273-304		59
22	Incommensurate ordered phase in non-stoichiometric tantalum carbide. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 8277-8293	1.8	29
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