

Aleksandr Gusev

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208
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3,369
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48
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214
ext. papers

3,617
ext. citations

1.6
avg, IF

6.06
L-index

#	Paper	IF	Citations
208	Tungsten carbides and W-C phase diagram. <i>Inorganic Materials</i> , 2006 , 42, 121-127	0.9	181
207	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
206	Phase equilibria in the W-C system and tungsten carbides. <i>Russian Chemical Reviews</i> , 2006 , 75, 617-636	6.8	100
205	Effects of the nanocrystalline state in solids. <i>Uspekhi Fizicheskikh Nauk</i> , 1998 , 168, 55	0.5	92
204	Production of nanocrystalline powders by high-energy ball milling: model and experiment. <i>Nanotechnology</i> , 2008 , 19, 265302	3.4	90
203	Ordering of Cubic Titanium Monoxide into Monoclinic Ti ₅ O ₅ . <i>Inorganic Materials</i> , 2001 , 37, 603-612	0.9	78
202	Superstructures of Non-Stoichiometric Interstitial Compounds and the Distribution Functions of Interstitial Atoms. <i>Physica Status Solidi A</i> , 1993 , 135, 15-58		78
201	Effects of the nanocrystalline state in solids. <i>Physics-Uspekhi</i> , 1998 , 41, 49-76	2.8	73
200	Nonstoichiometry of nanocrystalline monoclinic silver sulfide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12466-71	3.6	72
199	Order-disorder transformations and phase equilibria in strongly nonstoichiometric compounds. <i>Physics-Uspekhi</i> , 2000 , 43, 1-37	2.8	72
198	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
197	Tungsten Carbides. <i>Springer Series in Materials Science</i> , 2013 ,	0.9	69
196	Disorder and Long-Range Order in Non-Stoichiometric Interstitial Compounds Transition Metal Carbides, Nitrides, and Oxides. <i>Physica Status Solidi (B): Basic Research</i> , 1991 , 163, 17-54	1.3	69
195	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
194	Phase transformations in non-stoichiometric vanadium carbide. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 163-184	1.8	57
193	Order-Disorder Phase Transition Channel in Niobium Carbide. <i>Physica Status Solidi A</i> , 1986 , 93, 71-80		52
192	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

191	Neutron and x-ray diffraction study and symmetry analysis of phase transformations in lower tungsten carbide W2C. <i>Physical Review B</i> , 2007 , 76,	3.3	48
190	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
189	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
188	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
187	Nanostructured lead sulfide: synthesis, structure and properties. <i>Russian Chemical Reviews</i> , 2016 , 85, 731-758	6.8	39
186	Nanostructured silver sulfide: synthesis of various forms and their application. <i>Russian Chemical Reviews</i> , 2018 , 87, 303-327	6.8	38
185	Effect of nonstoichiometry and ordering on the period of the basis structure of cubic titanium carbide. <i>Physics of the Solid State</i> , 1999 , 41, 1032-1038	0.8	36
184	Atomic ordering and the order parameter functional method. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1989 , 60, 307-324		34
183	Vacancy distribution in ordered Me ₆ -C ₅ -type carbides. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 5011-5025		34
182	Two-sublattice ordering in titanium monoxide. <i>JETP Letters</i> , 2000 , 71, 460-464	1.2	33
181	Order-disorder transformations and phase equilibria in strongly nonstoichiometric compounds. <i>Uspekhi Fizicheskikh Nauk</i> , 2000 , 170, 3	0.5	33
180	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
179	Model for milling of powders. <i>Technical Physics</i> , 2011 , 56, 975-980	0.5	29
178	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
177	Incommensurate ordered phase in non-stoichiometric tantalum carbide. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 8277-8293	1.8	29
176	Phase equilibria in M ₂ X ₃ and M ₃ X ₄ ternary systems (M = transition metal; X, X _R = B, C, N, Si) and the crystal chemistry of ternary compounds. <i>Russian Chemical Reviews</i> , 1996 , 65, 379-419	6.8	29
175	Order Parameter Functional Method in the Theory of Atomic Ordering. <i>Physica Status Solidi (B): Basic Research</i> , 1985 , 131, 43-51	1.3	29
174	Nanostructured Lead, Cadmium, and Silver Sulfides. <i>Springer Series in Materials Science</i> , 2018 ,	0.9	29

173	Electrical conductivity and magnetic susceptibility of titanium monoxide. <i>JETP Letters</i> , 2001 , 73, 621-625.	1.2	28
172	Short-Range Order in Superstructures. <i>Physica Status Solidi (B): Basic Research</i> , 1990 , 160, 389-402	1.3	28
171	Diffraction of electrons in the CubicTi5O5 superstructure of titanium monoxide. <i>JETP Letters</i> , 2012 , 96, 364-369	1.2	27
170	Ti5O5 superstructures of cubic titanium monoxide. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 293-308	1	26
169	Preparation of disordered and ordered highly nonstoichiometric carbides and evaluation of their homogeneity. <i>Physics of the Solid State</i> , 2000 , 42, 1280-1286	0.8	26
168	Nonstoichiometry and superstructures. <i>Physics-Uspexhi</i> , 2014 , 57, 839-876	2.8	25
167	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
166	Sequence of phase transformations in the formation of superstructures of the M6C5 type in nonstoichiometric carbides. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 109, 417-433	1	24
165	New crystalline phase in thin lead sulfide films. <i>JETP Letters</i> , 2009 , 89, 238-243	1.2	23
164	Calculating the energy parameters for the CV and OPF methods. <i>Physica Status Solidi (B): Basic Research</i> , 1987 , 140, 335-346	1.3	23
163	. <i>Physics-Uspexhi</i> , 2006 , 49, 693	2.8	22
162	Heat capacity of niobium and tantalum carbides NbCy and TaCy in disordered and ordered states below 300 K. <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 194, 467-482	1.3	22
161	Magnetic susceptibility and atomic ordering in tantalum carbide. <i>Physica Status Solidi A</i> , 1988 , 106, 459-466		22
160	Facile synthesis, structure, and properties of Ag2S/Ag heteronanostructure. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	22
159	A Study of the Atomic Ordering in the Niobium Carbide Using the Magnetic Susceptibility Method. <i>Physica Status Solidi A</i> , 1984 , 84, 527-534		21
158	Polymorphic transformation in nanocrystalline silver sulfide. <i>Physics of the Solid State</i> , 2016 , 58, 30-36	0.8	21
157	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
156	Atomic Ordering and Phase Equilibria in Strongly Nonstoichiometric Carbides and Nitrides 1999 , 47-64		20

155	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
154	Mechanical milling process modeling and making WC nanocrystalline powder. <i>Inorganic Materials</i> , 2009 , 45, 35-42	0.9	19
153	Effect of ball milling parameters on the particle size in nanocrystalline powders. <i>Technical Physics Letters</i> , 2007 , 33, 828-832	0.7	19
152	Twinning and short-range order in ordered titanium monoxide. <i>Physics of the Solid State</i> , 2006 , 48, 1689-1697	0.9	18
151	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
150	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
149	Effect of particle size on the oxidation of WC powders during heating. <i>Inorganic Materials</i> , 2011 , 47, 133-138	1.3	17
148	⁹³ Nb NMR study of an ordered and a disordered non-stoichiometric niobium carbide. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 5655-5666		17
147	Structure and properties of nanoscale Ag ₂ S/Ag heterostructure. <i>Materials Letters</i> , 2017 , 188, 351-354	3.3	16
146	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
145	Observation of structural vacancies. <i>JETP Letters</i> , 2003 , 77, 25-29	1.2	16
144	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
143	V ₈ C ₇ superstructure in nonstoichiometric vanadium carbide powders. <i>JETP Letters</i> , 2015 , 102, 154-160	1.2	14
142	Nanostructure and atomic ordering in vanadium carbide. <i>JETP Letters</i> , 1999 , 69, 472-478	1.2	14
141	Short-Range Order in Nonstoichiometric Transition Metal Carbides, Nitrides, and Oxides. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 156, 11-40	1.3	14
140	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
139	Optical properties of nanostructured lead sulfide films with a D0 ₃ cubic structure. <i>Semiconductors</i> , 2011 , 45, 1559-1570	0.7	13
138	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

137	Ordering effects in nonstoichiometric titanium carbide. <i>Inorganic Materials</i> , 2000 , 36, 155-161	0.9	13
136	Superconductivity in Disordered and Ordered Niobium Carbide. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 151, 211-224	1.3	13
135	Acanthite–argentite transformation in nanocrystalline silver sulfide and the Ag ₂ S/Ag nanoheterostructure. <i>Semiconductors</i> , 2016 , 50, 682-687	0.7	13
134	Silver sulfide nanoparticles with a carbon-containing shell. <i>Inorganic Materials</i> , 2016 , 52, 441-446	0.9	12
133	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
132	Electronic Structure, Chemical Bonding, and Properties of Binary Carbides M _x M ₂ yC _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
131	Atomic-vacancy ordering and magnetic susceptibility of nonstoichiometric hafnium carbide. <i>JETP Letters</i> , 1999 , 69, 324-329	1.2	12
130	Effect of ordering on the structure and specific heat of nonstoichiometric titanium carbide. <i>JETP Letters</i> , 1999 , 69, 669-675	1.2	12
129	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
128	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
127	Ordering of the lowest tungsten carbide W ₂ C. <i>JETP Letters</i> , 2007 , 85, 34-39	1.2	11
126	Ordered orthorhombic phases of titanium monoxide. <i>JETP Letters</i> , 2001 , 74, 91-95	1.2	11
125	Dependence of the resistivity of nonstoichiometric titanium carbide TiC _y on the density and distribution of carbon vacancies. <i>JETP Letters</i> , 1999 , 70, 294-300	1.2	11
124	Anisotropy of microstructure and elastic properties of niobium carbide nanopowders. <i>Solid State Sciences</i> , 2020 , 100, 106092	3.4	11
123	Surface segregation in decomposing carbide solid solutions. <i>JETP Letters</i> , 2008 , 88, 435-440	1.2	10
122	Temperature Range of Decomposition and Degradation of Cd _x Pb _{1-x} S Supersaturated Solid Solutions. <i>Doklady Physical Chemistry</i> , 2003 , 390, 147-151	0.8	10
121	Ordering in the Ti ₄ C ₃ carbide phase. <i>JETP Letters</i> , 2005 , 82, 287-291	1.2	10
120	Magnetic susceptibility of nonstoichiometric compounds of transition d-metals. <i>Physics-Uspexhi</i> , 2005 , 48, 651-673	2.8	10

119	Ordering effects on the microstructure and microhardness of nonstoichiometric titanium carbide TiC _y . <i>Inorganic Materials</i> , 2000 , 36, 695-698	0.9	10
118	Heat capacity of niobium carbide in different structural states. <i>Physica Status Solidi A</i> , 1989 , 113, 353-358		10
117	Relation between Short-Range and Long-Range Order in Solid Solutions with Basal B.C.C. and F.C.C. Structures. <i>Physica Status Solidi (B): Basic Research</i> , 1985 , 130, 413-420	1.3	10
116	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
115	Family of Ti ₅ O ₅ superstructures. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 120, 851-859	1	9
114	Atomic-vacancy ordering in the carbide phase \square Ta ₄ C ₃ t-x. <i>Physics of the Solid State</i> , 2006 , 48, 1634-1645	0.8	9
113	X-ray Diffraction Study of the Nanostructure Resulting from Decomposition of (ZrC) _{1-x} (NbC) _x Solid Solutions. <i>Inorganic Materials</i> , 2003 , 39, 43-47	0.9	9
112	Magnetic susceptibility of palladium subjected to severe plastic deformation. <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 196, 251-260	1.3	9
111	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
110	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
109	Preparation and microstructure of VC _{0.875} nanopowder. <i>Inorganic Materials</i> , 2013 , 49, 347-354	0.9	8
108	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
107	Surface segregation of ZrC from a carbide solid solution. <i>Physics of the Solid State</i> , 2002 , 44, 68-74	0.8	8
106	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
105	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
104	Argentite-Acanthite Transformation in Silver Sulfide as a Disorder-Order Transition. <i>JETP Letters</i> , 2019 , 109, 584-588	1.2	7
103	Milling of nonstoichiometric niobium carbide powder to a nanocrystalline state. <i>Inorganic Materials</i> , 2015 , 51, 29-37	0.9	7
102	Vacuum annealing of nanocrystalline WC powders. <i>Inorganic Materials</i> , 2012 , 48, 680-690	0.9	7

101	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
100	Annealing-induced ordering of bulk nonstoichiometric vanadium carbide. <i>Inorganic Materials</i> , 2006 , 42, 14-18	0.9	7
99	High-Temperature Heat Capacity and Order-Disorder Phase Transformations in Nonstoichiometric Titanium Carbide. <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 212, R11-R12	1.3	7
98	High-energy ball milling of nonstoichiometric compounds. <i>Physics-USpekhi</i> , 2020 , 63, 342-364	2.8	6
97	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
96	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
95	Structure and stoichiometry of nanocrystalline silver sulfide. <i>Doklady Physical Chemistry</i> , 2015 , 464, 238-243	2.4	6
94	Phase transitions in the lowest tungsten carbide W ₂ C. <i>Doklady Physics</i> , 2007 , 52, 656-662	0.8	6
93	Atomic Displacements in the 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
92	Nonstoichiometry, structure and properties of nanocrystalline oxides, carbides and sulfides. <i>Russian Chemical Reviews</i> , 2021 , 90, 601-626	6.8	6
91	Evolution of microstructure of niobium carbide NbC _{0.77} powders. <i>Crystal Research and Technology</i> , 2017 , 52, 1700061	1.3	5
90	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
89	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
88	Preparation of nanocrystalline lead sulfide powder with controlled particles size. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 173-180	0.7	5
87	Elastic and thermal properties of Zr _z Nb _{1-z} C _x N _y solid solutions. <i>Physics of the Solid State</i> , 2013 , 55, 1557-1561	0.8	5
86	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
85	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
84	Preparation and structural characterization of nanocrystalline vanadium carbide VC _y powder on the upper boundary of its homogeneity interval. <i>Mendeleev Communications</i> , 2014 , 24, 338-339	1.9	5

83	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
82	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
81	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
80	Analysis of Surface Segregation and Solid-Phase Decomposition of Substitutional Solid Solutions. <i>Doklady Physical Chemistry</i> , 2003 , 392, 235-239	0.8	5
79	Magnetic properties of a monocrystalline quasicrystal in the Al-Pd-Mn system. <i>JETP Letters</i> , 2000 , 72, 144-147	1.2	5
78	Magnetic susceptibility of nonstoichiometric compounds of transition d-metals. <i>Uspekhi Fizicheskikh Nauk</i> , 2005 , 175, 681	0.5	5
77	Ordering of Tungsten Carbides. <i>Springer Series in Materials Science</i> , 2013 , 57-108	0.9	5
76	Elastic properties of superionic cubic silver sulfide β -Ag ₂ S. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2914-2922	3.6	5
75	Microinhomogeneity of the Structure of Nanocrystalline Niobium and Vanadium Carbides. <i>JETP Letters</i> , 2018 , 108, 253-259	1.2	5
74	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
73	Ag ₂ S/Ag heteronanostructure. <i>JETP Letters</i> , 2017 , 106, 587-592	1.2	4
72	Microstructure of nanocrystalline nonstoichiometric vanadium carbide VC _{0.875} . <i>Physics of the Solid State</i> , 2013 , 55, 430-436	0.8	4
71	Phases and Equilibria in the W ₂ C and W ₆ C ₅ Systems. <i>Springer Series in Materials Science</i> , 2013 , 5-56	0.9	4
70	DO ₃ -type cubic structure of nonstoichiometric vanadium monoxide. <i>JETP Letters</i> , 2010 , 91, 286-291	1.2	4
69	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
68	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
67	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
66	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

65	Short-range order and twins in ordered titanium monoxide. <i>JETP Letters</i> , 2004 , 79, 468-472	1.2	4
64	Cluster formation in LiNi _{0.4} Fe _{0.6} O ₂ . <i>Physics of the Solid State</i> , 2004 , 46, 1686-1692	0.8	4
63	Magnetic susceptibility of tungsten carbide: Relaxation and impurity effects. <i>JETP Letters</i> , 2005 , 82, 509-512	1.2	4
62	Magnetic Susceptibility and Thermal Stability of Nanocrystalline Tungsten Carbide. <i>Doklady Physical Chemistry</i> , 2005 , 405, 229-234	0.8	4
61	Effect of atomic ordering on the heat-capacity of non-stoichiometric niobium carbide. <i>Physica Status Solidi A</i> , 1984 , 86, K11-K14		4
60	Nonstoichiometry and superstructures. <i>Uspekhi Fizicheskikh Nauk</i> , 2014 , 184, 905-945	0.5	4
59	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
58	Strain distortions in vanadium carbide VC _{0.875} nanopowders. <i>Mendeleev Communications</i> , 2015 , 25, 353-355	3.5	3
57	Anisotropy of strain distortions in nanocrystalline VC _{0.875} powders. <i>Physics of the Solid State</i> , 2015 , 57, 1855-1860	0.8	3
56	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
55	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
54	Ordered monoclinic vanadium suboxide V ₁₄ O ₆ . <i>Physics of the Solid State</i> , 2009 , 51, 156-164	0.8	3
53	Determination of the probability of existence of pair interactions in the formation of M ₂ X ₂ Y ₁ Superstructures in MX _y nonstoichiometric compounds. <i>Physics of the Solid State</i> , 2010 , 52, 370-376	0.8	3
52	Ordering of MX _y nonstoichiometric compounds with the formation of M ₂ X ₂ Y ₁ superstructures. <i>Physics of the Solid State</i> , 2010 , 52, 1935-1940	0.8	3
51	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
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