

Andrey Rempel

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.

166
papers

2,481
citations

28
h-index

41
g-index

180
ext. papers

2,696
ext. citations

1.7
avg, IF

5.37
L-index

#	Paper	IF	Citations
166	Positrons as chemically sensitive probes in interfaces of multicomponent complex materials: Nanocrystalline Fe ₉₀ Zr ₇ B ₃ . <i>International Journal of Materials Research</i> , 2022 , 94, 1073-1078	0.5	
165	Synthesis and properties of azines functionalized graphene with extremely high adsorptive ability to Eu ³⁺ ions. <i>FlatChem</i> , 2022 , 33, 100348	5.1	1
164	Nonstoichiometry, structure and properties of nanocrystalline oxides, carbides and sulfides. <i>Russian Chemical Reviews</i> , 2021 , 90, 601-626	6.8	6
163	Synthesis and Physicochemical Properties of Nanostructured TiO ₂ with Enhanced Photocatalytic Activity. <i>Inorganic Materials</i> , 2021 , 57, 503-510	0.9	6
162	Titanium dioxide nanotubes: synthesis, structure, properties and applications. <i>Russian Chemical Reviews</i> , 2021 , 90,	6.8	3
161	Analysis of the Probability of Synthesizing High-Entropy Alloys in the Systems Ti-Zr-Hf-V-Nb, Gd-Ti-Zr-Nb-Al, and Zr-Hf-V-Nb-Ni. <i>Physical Mesomechanics</i> , 2021 , 24, 701-706	1.6	0
160	Deep machine learning interatomic potential for liquid silica. <i>Physical Review E</i> , 2020 , 102, 052125	2.4	9
159	High Photocatalytic Activity Under Visible Light of Sandwich Structures Based on Anodic TiO ₂ /CdS Nanoparticles/Sol-Gel TiO ₂ . <i>Topics in Catalysis</i> , 2020 , 63, 130-138	2.3	11
158	Ab initio molecular dynamics and high-dimensional neural network potential study of VZrNbHfTa melt. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 214006	1.8	2
157	Production, Properties and Practical Application of High-Entropy Alloys. <i>Steel in Translation</i> , 2020 , 50, 243-247	0.4	1
156	Orientation Relationships upon the Structural Transformation of Monoclinic and Cubic Phases in Silver Sulfide. <i>Semiconductors</i> , 2019 , 53, 941-946	0.7	4
155	Synthesis of a TiO ₂ Photocatalyst for Dehydrogenative Cross-Coupling of (Hetero)Arenes. <i>Inorganic Materials</i> , 2019 , 55, 155-161	0.9	5
154	Size effect in nonstoichiometric titanium monoxide and vanadium carbide nanocrystals measured by positron lifetime spectroscopy. <i>Mendeleev Communications</i> , 2019 , 29, 486-488	1.9	3
153	Nanostructured titanium dioxide for medicinal chemistry. <i>Russian Chemical Bulletin</i> , 2019 , 68, 2163-2171	1.7	8
152	Partial pair correlation functions of liquid TiZrNbHfTa high-entropy alloy 2019 ,		1
151	Lifetime of Positrons in Nanostructured Nonstoichiometric Silver Sulfide Ag ₂ S. <i>JETP Letters</i> , 2018 , 107, 4-9	1.2	4
150	Nanostructured silver sulfide: synthesis of various forms and their application. <i>Russian Chemical Reviews</i> , 2018 , 87, 303-327	6.8	38

149	Micro-Raman Spectroscopy of Nanostructured Silver Sulfide. <i>Doklady Physical Chemistry</i> , 2018 , 480, 81-84.8		13
148	Distribution of Vacancies in a Hybrid $M(5\frac{1}{18})X(5\frac{1}{18})$ Superstructure of a High-Temperature Ordered TiO Phase. <i>Physics of the Solid State</i> , 2018 , 60, 461-465	0.8	
147	A New Ti_9O_{10} Nanophase Prepared by Heat-Treating Nonstoichiometric Milled TiO_y Nanopowder. <i>Inorganic Materials</i> , 2018 , 54, 568-574	0.9	8
146	Superimposure of M_6X_5 Superstructures in Ordered Niobium Carbide $\text{NbC}_{0.83}$. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018 , 82, 595-599	0.4	1
145	Stability of Defectless Structures of Titanium Monoxide at High Pressures. <i>JETP Letters</i> , 2018 , 108, 476-480		4
144	Microinhomogeneity of the Structure of Nanocrystalline Niobium and Vanadium Carbides. <i>JETP Letters</i> , 2018 , 108, 253-259	1.2	5
143	Structure of a HAp/ TiO_y Nanocomposite Studied by Vibrational Spectroscopy Techniques. <i>Inorganic Materials</i> , 2018 , 54, 898-903	0.9	5
142	Nonstoichiometric titanium dioxide nanotubes with enhanced catalytical activity under visible light. <i>Scientific Reports</i> , 2018 , 8, 9607	4.9	34
141	Evolution of microstructure of niobium carbide $\text{NbC}_{0.77}$ powders. <i>Crystal Research and Technology</i> , 2017 , 52, 1700061	1.3	5
140	Order-order transition structural state in titanium monoxide $\text{TiO}_{1.0}$. <i>Physics of the Solid State</i> , 2017 , 59, 1190-1195	0.8	1
139	Sol-gel synthesis of nanosized titanium dioxide at various pH of the initial solution 2017 ,		7
138	Selforganization of nanoparticles in the system of silver-sulfide-mercaptopropylsilane 2017 ,		2
137	Superposition of M_5X_5 superstructures and X-ray diffraction in $\text{TiO}_{1.0}$ titanium monoxide. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 125, 235-245	1	2
136	Influence of the degree of order and nonstoichiometry on the microstructure and microhardness of titanium monoxide. <i>Inorganic Materials</i> , 2017 , 53, 1174-1179	0.9	7
135	Photoluminescence of nanostructured $\text{Zn}_2\text{SiO}_4:\text{Mn}^{2+}$ ceramics under UV and VUV excitation. <i>Journal of Surface Investigation</i> , 2017 , 11, 727-731	0.5	1
134	Quantum-chemical study of titanium monoxide nanoparticles with structural vacancies. <i>Doklady Physical Chemistry</i> , 2017 , 473, 71-74	0.8	
133	Size, zeta potential, and semiconductor properties of hybrid CdS/ZnS nanoparticles in a stable aqueous colloidal solution. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 1105-1108	0.7	4
132	Short-range order in disordered and ordered niobium carbide $\text{NbC}_{0.83}$ from ab initio calculations. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017 , 81, 373-376	0.4	1

131	Diffraction spectra of order-order transition structural states in titanium monoxide. <i>JETP Letters</i> , 2017 , 106, 157-161	1.2	3
130	Effect of high pressure on the period of the basis lattice and concentration of vacancies in titanium monoxide TiO. <i>JETP Letters</i> , 2017 , 106, 354-357	1.2	4
129	Direct functionalization of the C≡N bond in (hetero)arenes: aerobic photoinduced oxidative coupling of azines with aromatic nucleophiles (S _N H-reactions) in the presence of a CdS/TiO ₂ photocatalyst. <i>Russian Chemical Bulletin</i> , 2016 , 65, 445-450	1.7	7
128	Dependence of Van-Vleck paramagnetism on the size of nanocrystals in superstoichiometric TiO _y . <i>Journal of Experimental and Theoretical Physics</i> , 2016 , 122, 722-726	1	5
127	Formation of CdS nanoparticles in the matrix of silicate glass and its optical properties. <i>Glass Physics and Chemistry</i> , 2016 , 42, 251-256	0.7	2
126	Synthesis of hybrid nanoparticles based on magnetic Fe ₃ O ₄ nanoparticles and luminescent CdS nanoparticles. <i>Doklady Chemistry</i> , 2016 , 467, 113-117	0.8	3
125	Influence of particle size, stoichiometry, and degree of long-range order on magnetic susceptibility of titanium monoxide. <i>Physics of the Solid State</i> , 2016 , 58, 771-778	0.8	18
124	Silver sulfide nanoparticles with a carbon-containing shell. <i>Inorganic Materials</i> , 2016 , 52, 441-446	0.9	12
123	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
122	Synthesis and optical properties of glass with cadmium sulfide nanoparticles. <i>Glass Physics and Chemistry</i> , 2016 , 42, 38-42	0.7	3
121	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
120	Microhardness and phase composition of TiO _y /hydroxyapatite nanocomposites synthesized under low-temperature annealing conditions. <i>Inorganic Materials</i> , 2016 , 52, 476-482	0.9	11
119	Zeta Potential, Size, and Semiconductor Properties of Zinc Sulfide Nanoparticles in a Stable Aqueous Colloid Solution. <i>Russian Journal of Physical Chemistry A</i> , 2016 , 90, 864-869	0.7	8
118	Nanostructured lead sulfide: synthesis, structure and properties. <i>Russian Chemical Reviews</i> , 2016 , 85, 731-758	6.8	39
117	Titania synthesized through regulated mineralization of cellulose and its photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 8544-8551	3.7	13
116	Synthesis of nanocrystalline silver sulfide. <i>Inorganic Materials</i> , 2015 , 51, 759-766	0.9	29
115	Synthesis of cadmium sulfide CdS nanoparticles in a silicate glass matrix. <i>Inorganic Materials</i> , 2015 , 51, 933-938	0.9	11
114	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

113	Aerobic oxidative C _H /C _H coupling of azaaromatics with indoles and pyrroles in the presence of TiO ₂ as a photocatalyst. <i>Green Chemistry</i> , 2015 , 17, 4401-4410	10	43
112	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
111	Short-range order in disordered transition metal oxides, carbides, and nitrides with the B1 structure. <i>Physics of the Solid State</i> , 2015 , 57, 637-651	0.8	4
110	Synthesis and solar light catalytic properties of titania/cadmium sulfide hybrid nanostructures. <i>Catalysis Communications</i> , 2015 , 68, 61-66	3.2	31
109	Nonstoichiometry of nanocrystalline monoclinic silver sulfide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12466-71	3.6	72
108	Effect of stoichiometry on the size of titanium monoxide nanoparticles produced by fragmentation. <i>Inorganic Materials</i> , 2015 , 51, 1132-1137	0.9	19
107	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
106	Inclusion of the correlation short-range order in Ab initio calculations of the energy of the ground state by example of titanium monoxide TiO _{1.0} . <i>JETP Letters</i> , 2015 , 102, 85-90	1.2	17
105	Structure and stoichiometry of nanocrystalline silver sulfide. <i>Doklady Physical Chemistry</i> , 2015 , 464, 238-243	2.3	6
104	In situ study of atomic-vacancy ordering in stoichiometric titanium monoxide by the magnetic susceptibility. <i>JETP Letters</i> , 2015 , 101, 258-263	1.2	19
103	Nanocrystalline VC _y powders in the homogeneity range of a disordered cubic phase. <i>Inorganic Materials</i> , 2015 , 51, 1243-1250	0.9	4
102	Size and zeta potential of CdS nanoparticles in stable aqueous solution of EDTA and NaCl. <i>Inorganic Materials</i> , 2015 , 51, 215-219	0.9	19
101	Sol-gel synthesis and photoluminescence of Zn ₂ SiO ₄ :Mn nanoparticles. <i>Inorganic Materials</i> , 2015 , 51, 152-157	0.9	14
100	Synthesis of a stable colloidal solution of PbS nanoparticles. <i>Inorganic Materials</i> , 2014 , 50, 969-975	0.9	4
99	NbO disintegration by surfactant-assisted high-energy ball milling. <i>Inorganic Materials</i> , 2014 , 50, 398-403	0.9	2
98	Concentration quenching of fluorescence of colloid quantum dots of cadmium sulfide. <i>Physics of the Solid State</i> , 2014 , 56, 568-571	0.8	15
97	Photoluminescence of nanosized Zn ₂ SiO ₄ :Mn depending upon preparation method. <i>Journal of Physics: Conference Series</i> , 2014 , 552, 012043	0.3	2
96	Fragmentation of disordered titanium monoxide of stoichiometric composition TiO. <i>Russian Chemical Bulletin</i> , 2014 , 63, 2729-2732	1.7	11

95	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. <i>Russian Chemical Reviews</i> , 2014 , 83, 885-985	6.8	153
94	Role of structural vacancies in the stabilization of the basic B1 structure in nonstoichiometric titanium monoxide TiO _y . <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013 , 77, 309-312	0.4	1
93	In situ study of the temperature stability of TiO _{1.05} titanium monoxide using synchrotron radiation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013 , 77, 134-137	0.4	
92	Internal energy and parameters of the order-disorder phase transition in titanium monoxide TiO _y . <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 116, 945-951	1	12
91	Simulation of the short-range order in disordered cubic titanium monoxide TiO _{1.0} . <i>JETP Letters</i> , 2013 , 97, 616-620	1.2	14
90	Template synthesis of titania on polysaccharides. <i>Russian Chemical Bulletin</i> , 2013 , 62, 976-983	1.7	5
89	Hybrid nanoparticles based on sulfides, oxides, and carbides. <i>Russian Chemical Bulletin</i> , 2013 , 62, 857-868.	1.7	16
88	The use of 3-mercaptopropyltrimethoxysilane for stabilization of luminescent cadmium sulfide nanoparticles. <i>Doklady Chemistry</i> , 2013 , 452, 215-219	0.8	6
87	Electronic structure and stability of nonstoichiometric titanium monoxide TiO _y with structural vacancies in one of the sublattices. <i>Physics of the Solid State</i> , 2013 , 55, 2108-2115	0.8	5
86	Dependence of the size of nanoparticles of lead sulfide PbS on the chemical affinity of its formation reaction. <i>Doklady Physical Chemistry</i> , 2013 , 453, 270-273	0.8	4
85	Effect of cobalt powder morphology on the properties of WC-Co hard alloys. <i>Inorganic Materials</i> , 2013 , 49, 889-893	0.9	7
84	Disintegration of microcrystalline Zn ₂ SiO ₄ :Mn phosphor powder. <i>Inorganic Materials</i> , 2013 , 49, 1019-1022.	0.9	3
83	Morphology and crystal-chemical characteristics of cobalt and nickel nanopowders prepared by thermochemical and electrolytic methods. <i>Inorganic Materials</i> , 2013 , 49, 153-158	0.9	3
82	Positron annihilation sites in nano lead sulfide powders. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012013	0.3	3
81	Aggregative stability of the CdS nanoparticles-H ₂ O colloidal dispersion system in the presence of surfactants. <i>Doklady Chemistry</i> , 2012 , 443, 86-90	0.8	
80	Chemical design of the CdS-TiO ₂ composite photocatalyst. <i>Doklady Physical Chemistry</i> , 2012 , 447, 207-208.	0.8	1
79	Electronic structure of disordered titanium monoxide TiO _y depending on stoichiometry. <i>JETP Letters</i> , 2012 , 95, 647-651	1.2	17
78	Effect of the long-range order in the vacancy distribution on the electronic structure of titanium monoxide TiO _{1.0} . <i>JETP Letters</i> , 2012 , 96, 507-510	1.2	12

77	Photocatalytic oxidation of ethanol vapors under visible light on CdS@TiO ₂ nanocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 250, 103-109	4.7	48
76	Probabilities of octahedral clusters depending on long-range order parameters and composition in nonstoichiometric titanium monoxide TiO _y . <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 115, 999-1007	1	10
75	Microstructure of nanocrystalline PbS powders and films. <i>Inorganic Materials</i> , 2012 , 48, 21-27	0.9	21
74	Fluorescent CdS nanoparticles for cell imaging. <i>Inorganic Materials</i> , 2011 , 47, 223-226	0.9	15
73	Preparation of nanocrystalline VO _y by high-energy ball milling. <i>Inorganic Materials</i> , 2011 , 47, 408-411	0.9	8
72	Stability and recrystallization of PbS nanoparticles. <i>Inorganic Materials</i> , 2011 , 47, 837-843	0.9	13
71	Oxidation of nanocrystalline lead sulfide in air. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 1864-1869	0.9	10
70	Identification of structural vacancies in carbides, oxides, and sulfides by Doppler broadening of the gamma-ray line. <i>JETP Letters</i> , 2010 , 92, 146-150	1.2	5
69	The structure and optical properties of nanocrystalline lead sulfide films. <i>Semiconductors</i> , 2010 , 44, 1349-1356	0.9	22
68	Correlation of sulfur atoms in nonmetal planes of lead sulfide films with the D03 structure. <i>Physics of the Solid State</i> , 2010 , 52, 2458-2466	0.8	1
67	Formation of cadmium sulfide (CdS) nanofilm on a Cd(OH) ₂ /SiO ₂ precursor layer. <i>Journal of Structural Chemistry</i> , 2010 , 51, 1170-1175	0.9	5
66	Non-periodicity in nanoparticles with close-packed structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010 , 66, 479-83		31
65	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
64	Structural study of the initial growth of nanocrystalline CdS thin films in a chemical bath. <i>Thin Solid Films</i> , 2009 , 517, 2586-2589	2.2	31
63	Nonstoichiometric distribution of sulfur atoms in lead sulfide structure. <i>Doklady Physical Chemistry</i> , 2009 , 428, 167-171	0.8	10
62	Refinement of the V-O phase diagram in the range 25-50 at % oxygen. <i>Inorganic Materials</i> , 2009 , 45, 47-54	0.9	11
61	Effect of WC nanoparticle size on the sintering temperature, density, and microhardness of WC-8 wt % Co alloys. <i>Inorganic Materials</i> , 2009 , 45, 380-385	0.9	14
60	Lattice parameter, density, and defect system of VO _y . <i>Inorganic Materials</i> , 2009 , 45, 666-670	0.9	6

59	Microstructure and microhardness of vanadium oxides in the range VO _{0.57} -VO _{1.29} . <i>Inorganic Materials</i> , 2009 , 45, 905-909	0.9	6
58	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
57	Thermal stability of lead sulfide nanocrystalline films. <i>Glass Physics and Chemistry</i> , 2009 , 35, 60-66	0.7	5
56	Crystal structure of nanostructured PbS films at temperatures of 293–23 K. <i>Physics of the Solid State</i> , 2009 , 51, 2375-2383	0.8	22
55	Cluster probabilities in ordered titanium monoxide TiO _y as functions of the long-range order parameters. <i>JETP Letters</i> , 2008 , 88, 172-177	1.2	6
54	Ionic equilibria in alkaline aqueous solutions of metal complex salts. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 551-556	0.7	2
53	Simulation of pair and three-particle correlations in a binary solid solution with a hexagonal lattice. <i>Physics of the Solid State</i> , 2008 , 50, 1131-1136	0.8	
52	Concentration phase transition near the stoichiometric composition of vanadium monoxide VO _{1.00} . <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1090-1093	0.4	1
51	Transition of the CdS disordered structure to the wurtzite structure with an increase in the nanoparticle size. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1395-1398	0.4	13
50	Nanotechnologies. Properties and applications of nanostructured materials. <i>Russian Chemical Reviews</i> , 2007 , 76, 435-461	6.8	107
49	A study of cadmium sulfide nanocrystalline films by grazing incidence X-ray diffraction. <i>Russian Journal of Physical Chemistry A</i> , 2007 , 81, 768-772	0.7	3
48	Atomic structure of cadmium sulfide nanoparticles. <i>Physics of the Solid State</i> , 2007 , 49, 148-153	0.8	28
47	Short-range order and pair correlations in a binary solid solution with a square lattice. <i>Physics of the Solid State</i> , 2007 , 49, 1543-1547	0.8	
46	Ordering of structural vacancies in vanadium monoxide of substoichiometric composition. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 677-680	0.4	2
45	Modeling of short-range order in a defect square lattice. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 1174-1178	0.4	2
44	Vacancies on the Ti sublattice in titanium monoxide TiO _y studied using positron annihilation techniques. <i>Physical Review B</i> , 2007 , 75,	3.3	52
43	DISORDERING IN CADMIUM SULFIDE NANOPARTICLES 2007 ,		2
42	Towards particle size regulation of chemically deposited lead sulfide (PbS). <i>Journal of Crystal Growth</i> , 2005 , 280, 300-308	1.6	31

41	Formation of the incommensurate ordered phase in TaC _y carbide. <i>JETP Letters</i> , 2005 , 81, 326-330	1.2	7
40	Atomic ordering as a new way of nanostructure creation in solids. <i>Journal of Structural Chemistry</i> , 2004 , 45, S14-S22	0.9	1
39	Diffraction analysis of nanocrystalline particle size of lead and cadmium sulfides prepared by chemical deposition from aqueous solutions. <i>Journal of Structural Chemistry</i> , 2004 , 45, S154-S159	0.9	12
38	Positrons as chemically sensitive probes in interfaces of multicomponent complex materials: Nanocrystalline Fe ₉₀ Zr ₇ B ₃ . <i>International Journal of Materials Research</i> , 2003 , 94, 1073-1078		8
37	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
36	Observation of structural vacancies. <i>JETP Letters</i> , 2003 , 77, 25-29	1.2	16
35	Observation of high-temperature thermal vacancies in Al ₇₀ Pd ₂₁ Mn ₉ quasicrystals. <i>Physical Review B</i> , 2003 , 68,	3.3	19
34	Rempel et al. Reply:. <i>Physical Review Letters</i> , 2003 , 91,	7.4	1
33	Rempel et al. Reply:. <i>Physical Review Letters</i> , 2003 , 91,	7.4	5
32	Atomic Ordering as a New Method of Producing a Nanostructure 2003 , 313-327		3
31	Identification of lattice vacancies on the two sublattices of SiC. <i>Physical Review Letters</i> , 2002 , 89, 185501	7.4	67
30	Vacancies selectively induced and specifically detected on the two sublattices of the intermetallic compound MoSi ₂ . <i>Physical Review B</i> , 2002 , 66,	3.3	18
29	X-ray transitions for studying the electronic structure of 5d metals. <i>Physical Review B</i> , 2001 , 64,	3.3	11
28	Thermal vacancy formation and D0 ₃ ordering in nanocrystalline intermetallic (Fe ₃ Si) ₉₅ Nb ₅ . <i>Physical Review B</i> , 2001 , 63,	3.3	13
27	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
26	Atomic defects in hexagonal tungsten carbide studied by positron annihilation. <i>Physical Review B</i> , 2000 , 61, 5945-5948	3.3	26
25	Atomic Ordering and Phase Equilibria in Strongly Nonstoichiometric Carbides and Nitrides 1999 , 47-64		20
24	Positron Lifetime in the Atomic Vacancies of Nonstoichiometric Titanium and Vanadium Carbides. <i>Physica Status Solidi A</i> , 1998 , 169, R9-R10		11

23	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
22	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
21	Incommensurate ordered phase in non-stoichiometric tantalum carbide. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 8277-8293	1.8	29
20	Heat capacity of niobium and tantalum carbides NbC _y and TaC _y in disordered and ordered states below 300 K. <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 194, 467-482	1.3	22
19	Magnetic susceptibility of palladium subjected to severe plastic deformation. <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 196, 251-260	1.3	9
18	Irradiation-induced atomic defects in SiC studied by positron annihilation. <i>Applied Physics A: Materials Science and Processing</i> , 1995 , 61, 51-53	2.6	35
17	Irradiation-induced atomic defects in SiC studied by positron annihilation 1995 , 61, 51		2
16	Positron lifetime in non-stoichiometric carbides with a B1(NaCl) structure. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 261-266	1.8	8
15	Atomic Defects in Transition Metal Carbides and SiC Studied by Positron Annihilation. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 327, 299		5
14	Superstructures of Non-Stoichiometric Interstitial Compounds and the Distribution Functions of Interstitial Atoms. <i>Physica Status Solidi A</i> , 1993 , 135, 15-58		78
13	Short-Range Order in Superstructures. <i>Physica Status Solidi (B): Basic Research</i> , 1990 , 160, 389-402	1.3	28
12	Heat capacity of niobium carbide in different structural states. <i>Physica Status Solidi A</i> , 1989 , 113, 353-358		10
11	Superconductivity in Disordered and Ordered Niobium Carbide. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 151, 211-224	1.3	13
10	Local Static and Dynamic Atomic Displacements in Disordered Niobium Carbide. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 154, 453-459	1.3	2
9	Magnetic susceptibility and atomic ordering in tantalum carbide. <i>Physica Status Solidi A</i> , 1988 , 106, 459-466		22
8	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
7	Vacancy distribution in ordered Me ₆ -C ₅ -type carbides. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 5011-5025		34
6	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

5	Order-Disorder Phase Transition Channel in Niobium Carbide. <i>Physica Status Solidi A</i> , 1986 , 93, 71-80		52
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