Nikolay P Simonenko

List of Publications by Year
in descending order

170	2,476	230014	425179
papers	citations	27 h-index	34 g-index

172	172	172	1248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidation of graphene-modified HfB2-SiC ceramics by supersonic dissociated air flow. Journal of the European Ceramic Society, 2022, 42, 30-42.	2.8	14
2	Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H2S atmosphere. Applied Surface Science, 2022, 578, 151984.	3.1	23
3	Quantum of selectivity testing: detection of isomers and close homologs using an AZO based e-nose without a prior training. Journal of Materials Chemistry A, 2022, 10, 8413-8423.	5.2	9
4	Chemical durability of the iron-containing sodium borosilicate glasses. Journal of Non-Crystalline Solids, 2022, 584, 121519.	1.5	7
5	Gas-sensitive nanostructured ZnO films praseodymium and europium doped: Electrical conductivity, selectivity, influence of UV irradiation and humidity. Applied Surface Science, 2022, 589, 152974.	3.1	15
6	Hydrothermal Synthesis of Ag Thin Films and Their SERS Application. Nanomaterials, 2022, 12, 136.	1.9	4
7	Hydrothermally synthesized hierarchical Ce1-xSmxO2-Î´ oxides for additive manufacturing of planar solid electrolytes. Ceramics International, 2022, 48, 22401-22410.	2.3	9
8	Printing Technologies as an Emerging Approach in Gas Sensors: Survey of Literature. Sensors, 2022, 22, 3473.	2.1	20
9	Pen plotter printing of ITO thin film as a highly CO sensitive component of a resistive gas sensor. Talanta, 2021, 221, 121455.	2.9	37
10	Oxidation of HfB2-SiC-Ta4HfC5 ceramic material by a supersonic flow of dissociated air. Journal of the European Ceramic Society, 2021, 41, 1088-1098.	2.8	18
11	MÃ¶ssbauer spectroscopy, XRPD, and SEM study of ironâ€containing Na₂Oâ€B₂O₃â€SiO₂ glasses. Journal of the American Ceramic Society, 2021, 104, 3149-3157.	1.9	7
12	Microplotter printing of planar solid electrolytes in the CeO2â€“Y2O3 system. Journal of Colloid and Interface Science, 2021, 588, 209-220.	5.0	28
13	Highâ€temperature mass spectrometric study of vaporization and thermodynamics of the Cs₂Oâ€B₂O₃ system: Review and experimental investigation. Rapid Communications in Mass Spectrometry, 2021, 35, e9079.	0.7	3
14	Obtaining of La0.6Sr0.4Co0.2Fe0.8O3 â€“ Î´ Nanopowder Using the Glycolâ€“Citrate Method. Russian Journal of Inorganic Chemistry, 2021, 66, 477-481.	0.3	2
15	Vaporization and thermodynamics of the Cs 2 Oâ€“MoO 3 system studied using highâ€temperature mass spectrometry. Rapid Communications in Mass Spectrometry, 2021, 35, e9097.	0.7	3
16	Synthesis and Gas-Sensitive Chemoresistive Properties of TiO2:Cu Nanocomposite. Russian Journal of Inorganic Chemistry, 2021, 66, 594-602.	0.3	4
17	Effect of the Addition of Cerium Acetylacetonate on the Synthesis of ZnO Nanopowder. Russian Journal of Inorganic Chemistry, 2021, 66, 638-644.	0.3	5
18	Spark Plasma Sintering-Reactive Synthesis of SiC and SiCâ€“HfB2 Ceramics Based on Natural Renewable Raw Materials. Russian Journal of Inorganic Chemistry, 2021, 66, 629-637.	0.3	17

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19	Production of Îµ-Fe2O3 Nanoparticles in Matrices Constituted by Closely Packed Silica Spheres. Russian Journal of Inorganic Chemistry, 2021, 66, 740-746.	0.3	6
20	Synthesis of Ba0.5Sr0.5Co0.8Fe0.2O3 â€“ Î´ Oxide Promising as a Cathode Material of Modern Solid-Oxide Fuel Cells. Russian Journal of Inorganic Chemistry, 2021, 66, 662-666.	0.3	4
21	Dependence of the Reactivity of the Finely Divided System Ta2O5â€“HfO2â€“C on the Xerogel Carbonization Temperature. Russian Journal of Inorganic Chemistry, 2021, 66, 747-754.	0.3	4
22	PZT 50/50 nanocrystalline powders with tetragonal structure prepared via gel combustion route: Effect of heat treatment on phase and chemical compositions. Ceramics International, 2021, 47, 16232-16239.	2.3	1
23	Samarium zirconate: Thermodynamics and vaporization at high temperatures. Materials Today Communications, 2021, 27, 102200.	0.9	2
24	Microstructure and local electrophysical properties of sol-gel derived (In2O3-10%SnO2)/V2O5 films. Colloids and Interface Science Communications, 2021, 43, 100452.	2.0	10
25	Chemoresistive gas-sensing properties of highly dispersed Nb2O5 obtained by programmable precipitation. Journal of Alloys and Compounds, 2021, 868, 159090.	2.8	26
26	Synthesis and Chemoresistive Gas-Sensing Properties of Highly Dispersed Titanium-Doped Nb2O5. Russian Journal of Inorganic Chemistry, 2021, 66, 1425-1433.	0.3	3
27	Nanostructured ZnO Films with Enhanced Sensitivity to CO Synthesized by AACVD. Russian Journal of Inorganic Chemistry, 2021, 66, 1447-1454.	0.3	3
28	Preparation of ZnS Nanopowders and Their Use in the Additive Production of Thick-Film Structures. Russian Journal of Inorganic Chemistry, 2021, 66, 1283-1288.	0.3	11
29	Chemoresistive gas-sensitive ZnO/Pt nanocomposites films applied by microplotter printing with increased sensitivity to benzene and hydrogen. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115233.	1.7	22
30	Pen Plotter Printing of MnOx Thin Films Using Manganese Alkoxoacetylacetonate. Russian Journal of Inorganic Chemistry, 2021, 66, 1416-1424.	0.3	12
31	Modification of HfB2â€“30% SiC UHTC with Graphene (1 vol %) and Its Influence on the Behavior in a Supersonic Air Jet. Russian Journal of Inorganic Chemistry, 2021, 66, 1405-1415.	0.3	10
32	Solid-phase synthesis of protonated nitrogen-containing heterocyclic compounds with the boron cluster anions starting from [Eu(H2O)9]2[B10Cl10]3: Synthesis, structure, and thermal properties of (ÐŁ)2[B10Cl10] (L = 7-amino-4-methylcoumarin or 1-ethyl-2-(4-methoxyphenyl) azobenzimidazole). Journal of Solid State Chemistry, 2021, 302, 122413.	1.4	6
33	Platinum Based Nanoparticles Produced by a Pulsed Spark Discharge as a Promising Material for Gas Sensors. Applied Sciences (Switzerland), 2021, 11, 526.	1.3	18
34	Palladium(I) Coordination Polymers with Unsaturated Dicarboxylic Acids with Stable Paramagnetic Centers. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 707-716.	0.3	1
35	On the Thermal Decomposition of Cerium(IV) Hydrogen Phosphate Ce(PO4)(HPO4)0.5(H2O)0.5. Russian Journal of Inorganic Chemistry, 2021, 66, 1624-1632.	0.3	3
36	Hydrothermal Synthesis of Hierarchical CoMoO4 Nanostructures. Russian Journal of Inorganic Chemistry, 2021, 66, 1633-1638.	0.3	3

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37	Synthesis of Nanoscale WO3 by Chemical Precipitation Using Oxalic Acid. Russian Journal of Inorganic Chemistry, 2021, 66, 1811-1816.	0.3	6
38	Formation of NiMoO4 Anisotropic Nanostructures under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2021, 66, 1779-1784.	0.3	4
39	Influence of Carbon Deficiency and Hafnium Oxide Doping on Reactive Spark Plasma Sintering of the Ta2O5â€“C System. Russian Journal of Inorganic Chemistry, 2021, 66, 1887-1894.	0.3	3
40	Superhydrophobic and luminescent highly porous nanostructured alumina monoliths modified with tris(8-hydroxyquinolinato)aluminium. Microporous and Mesoporous Materials, 2020, 293, 109804.	2.2	7
41	Microstructural, electrophysical and gas-sensing properties of CeO2â€“Y2O3 thin films obtained by the sol-gel process. Ceramics International, 2020, 46, 121-131.	2.3	32
42	The effects of subsonic and supersonic dissociated air flow on the surface of ultra-high-temperature HfB2-30 vol% SiC ceramics obtained using the sol-gel method. Journal of the European Ceramic Society, 2020, 40, 1093-1102.	2.8	16
43	Zinc oxide obtained by the solvothermal method with high sensitivity and selectivity to nitrogen dioxide. Ceramics International, 2020, 46, 7756-7766.	2.3	23
44	Synthesis of Boehmite Nanosized Powder (AlOOH) at Low Temperatures of Hydrothermal Treatment. Theoretical Foundations of Chemical Engineering, 2020, 54, 465-473.	0.2	9
45	Production and Oxidation Resistance of HfB2â€“30 vol % SiC Composite Powders Modified with Y3Al5O12. Russian Journal of Inorganic Chemistry, 2020, 65, 1416-1423.	0.3	4
46	Behavior of Ultra-High Temperature Ceramic Material HfB2â€“SiCâ€“Y3Al5O12 under the Influence of Supersonic Dissociated Air Flow. Russian Journal of Inorganic Chemistry, 2020, 65, 1596-1605.	0.3	9
47	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an â€œElectronic Olfactionâ€•Unit. ACS Applied Materials & Interfaces, 2020, 12, 56135-56150.	4.0	32
48	Formation of Hierarchical NiO Coatings on the Surface of Al2O3 Substrates under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2020, 65, 1292-1297.	0.3	15
49	Features of Hydrothermal Growth of Hierarchical Co3O4 Coatings on Al2O3 Substrates. Russian Journal of Inorganic Chemistry, 2020, 65, 1304-1311.	0.3	9
50	Transformations of Nanosized Boehmite and Î³-Đł2Đž3upon Heat Treatment. Russian Journal of Inorganic Chemistry, 2020, 65, 587-591.	0.3	10
51	Oxidation of Porous HfB2â€“SiC Ultra-High-Temperature Ceramic Materials Rich in Silicon Carbide (65) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	12
52	Solid Solutions Having the Î±-NaFeO2 Structure in the Li1 +yCoO2â€“Li1 +yMnO2â€“Li1 +yNiO2â€“Li1 +yFeO2 System. Russian Journal of Inorganic Chemistry, 2020, 65, 573-580.	0.3	5
53	Formation of One-Dimensional Hierarchical MoO3 Nanostructures under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2020, 65, 459-465.	0.3	14
54	Synthesis and complex study of cerium(IV) fluoride hydrate. Journal of Fluorine Chemistry, 2020, 236, 109576.	0.9	1

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55	Bromobismuthates of 1,1'-(1,N-Alkanediyl)bis(picolines): Synthesis, Thermal Stability, Crystal Structures, and Optical Properties. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 111-118.	0.3	14
56	Hybrid bromobismuthates: Synthesis, thermal stability and crystal structure of multicharged 3-ammoniopyridinium derivatives. Journal of Molecular Structure, 2020, 1221, 128807.	1.8	1
57	Detection of potential biodeterioration risks for tempera painting in 16th century exhibits from State Tretyakov Gallery. PLoS ONE, 2020, 15, e0230591.	1.1	25
58	Pen plotter printing of Co3O4 thin films: features of the microstructure, optical, electrophysical and gas-sensing properties. Journal of Alloys and Compounds, 2020, 832, 154957.	2.8	38
59	Reactive Hot Pressing of HfB2â€“SiCâ€“Ta4HfC5 Ultra-High Temperature Ceramics. Russian Journal of Inorganic Chemistry, 2020, 65, 446-457.	0.3	14
60	A study of â€œThe Portrait of F.P. Makerovsky in a Masquerade Costumeâ€•by Dmitry Levitsky from the collection of the State Tretyakov Gallery. Heritage Science, 2020, 8, .	1.0	3
61	Oxygen detection using nanostructured TiO2 thin films obtained by the molecular layering method. Applied Surface Science, 2019, 463, 197-202.	3.1	30
62	Thermodynamic properties of lanthanum, neodymium, gadolinium hafnates (Ln2Hf2O7): Calorimetric and KEMS studies. Journal of Materials Research, 2019, 34, 3326-3336.	1.2	6
63	Complexes of Cobalt and Copper Halides Based on 1,3-Dimethylimidazolium-4-Carboxylate. Journal of Structural Chemistry, 2019, 60, 1648-1654.	0.3	2
64	Solid Solution Li(Ni,Mn,Co,Fe)O2 Homogeneity Range. Journal of Phase Equilibria and Diffusion, 2019, 40, 725-731.	0.5	3
65	Metal Complexes with the N-Heterocyclic Ligand: Synthesis, Structures, and Thermal Decomposition. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 706-711.	0.3	2
66	Synthesis of BaCe0.9xZrxY0.1O3 nanopowders and the study of proton conductors fabricated on their basis by low-temperature spark plasma sintering. International Journal of Hydrogen Energy, 2019, 44, 20345-20354.	3.8	37
67	Behavior of HfB2â€“30â€‰vol% SiC UHTC obtained by solâ€“gel approach in the supersonic airflow. Journal of Sol-Gel Science and Technology, 2019, 92, 386-397.	1.1	25
68	Sol-gel synthesis of SiC@Y3Al5O12 composite nanopowder and preparation of porous SiC-ceramics derived from it. Materials Chemistry and Physics, 2019, 235, 121734.	2.0	12
69	Unexpected hydrolytic transformation of new type hybrid bromobismuthates with methylpyrazinium dications. Dalton Transactions, 2019, 48, 7602-7611.	1.6	9
70	Gas-sensing properties of nanostructured TiO2â€“xZrO2 thin films obtained by the solâ€“gel method. Journal of Sol-Gel Science and Technology, 2019, 92, 415-426.	1.1	17
71	Synthesis of One-Dimensional Nanostructures of CeO2â€“10% Y2O3 Oxide by Programmed Coprecipitation in the Presence of Polyvinyl Alcohol. Russian Journal of Inorganic Chemistry, 2019, 64, 1475-1481.	0.3	17
72	Obtaining of NiO Nanosheets by a Combination of Solâ€“Gel Technology and Hydrothermal Treatment Using Nickel Acetylacetonate as a Precursor. Russian Journal of Inorganic Chemistry, 2019, 64, 1753-1757.	0.3	18

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73	Solid-State Synthesis of Lithium-Substituted Spinels Mg1Ââ€“ÂxLixMnO3Ââ€“ÂÎ´. Russian Journal of Inorganic Chemistry, 2019, 64, 1482-1485.	0.3	3
74	ZrB2/HfB2â€“SiC Ceramics Modified by Refractory Carbides: An Overview. Russian Journal of Inorganic Chemistry, 2019, 64, 1697-1725.	0.3	22
75	Effect of the Surface Relief of HfB2-SiC Ceramic Materials on Their High-Temperature Oxidation. Russian Journal of Inorganic Chemistry, 2019, 64, 1681-1686.	0.3	6
76	Microemulsion Synthesis of SnO2 Spheres Using Tin Acetylacetonate as a Precursor. Russian Journal of Inorganic Chemistry, 2019, 64, 1758-1761.	0.3	1
77	Oxidation of Ultra-High Temperature HfB2â€“SiC Ceramic Materials in Humid Air Flow. Russian Journal of Inorganic Chemistry, 2019, 64, 1849-1853.	0.3	8
78	Lanthanide Complexes Based on 1,3-Dimethylimidazolium-4-Carboxylate: Syntheses and Structures. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 799-803.	0.3	2
79	Solid State Synthesis and Reversible Oxygen Capacity of Li/Mg Overstoichiometric Solid Solutions Based on the Spinel MgMnO3 â€“ Î´. Russian Journal of Inorganic Chemistry, 2019, 64, 1335-1341.	0.3	2
80	Solâ€“Gel Synthesis of Functionally Graded SiCâ€“TiC Ceramic Material. Russian Journal of Inorganic Chemistry, 2019, 64, 1456-1463.	0.3	9
81	Solâ€“Gel Synthesis of Highly Dispersed Tantalum Hafnium Carbide Ta4HfC5. Russian Journal of Inorganic Chemistry, 2019, 64, 1317-1324.	0.3	9
82	One-stage synthesis of (Y0,5Bi0,5)3(Fe0,5Ga0,5)5O12 garnet using the organometallic gel auto-combustion approach. Ceramics International, 2019, 45, 4509-4513.	2.3	8
83	A sol-gel synthesis and gas-sensing properties of finely dispersed ZrTiO4. Materials Chemistry and Physics, 2019, 225, 347-357.	2.0	12
84	Crystallization Pathways of Cerium(IV) Phosphates Under Hydrothermal Conditions: A Search for New Phases with a Tunnel Structure. European Journal of Inorganic Chemistry, 2019, 2019, 3242-3248.	1.0	9
85	Ink-jet printing of a TiO2â€“10%ZrO2 thin film for oxygen detection using a solution of metal alkoxoacetylacetonates. Thin Solid Films, 2019, 670, 46-53.	0.8	28
86	Microstructure, phase composition, and gas-sensing properties of nanostructured ZrO2-xY2O3 thin films and powders obtained by the sol-gel method. Ionics, 2019, 25, 1259-1270.	1.2	8
87	Gas-sensing properties of nanostructured CeO2-xZrO2 thin films obtained by the sol-gel method. Journal of Alloys and Compounds, 2019, 773, 1023-1032.	2.8	40
88	Study of the Thermal Behavior of Wedge-Shaped Samples of HfB2â€“45 vol % SiC Ultra-High-Temperature Composite in a High-Enthalpy Air Flow. Russian Journal of Inorganic Chemistry, 2018, 63, 421-432.	0.3	29
89	Sol-gel made titanium dioxide nanostructured thin films as gas-sensing materials for the detection of oxygen. Mendeleev Communications, 2018, 28, 164-166.	0.6	15
90	Glycol-citrate synthesis of fine-grained oxides La2â˜xGdxZr2O7 and preparation of corresponding ceramics using FAST/SPS process. Ceramics International, 2018, 44, 7647-7655.	2.3	12

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91	Synthesis of MgFe1.6Ga0.4O4 by Gel Combustion Using Glycine and Hexamethylenetetramine. Russian Journal of Inorganic Chemistry, 2018, 63, 439-443.	0.3	4
92	Production of HfB2â€“SiC (10â€“65 vol % SiC) Ultra-High-Temperature Ceramics by Hot Pressing of HfB2â€“(SiO2â€“C) Composite Powder Synthesized by the Solâ€–Gel Method. Russian Journal of Inorganic Chemistry, 2018, 63, 1-15.	0.3	31
93	Vaporization and thermodynamic properties of lanthanum hafnate. Journal of Alloys and Compounds, 2018, 735, 2348-2355.	2.8	28
94	Nanocrystalline ZnO Obtained by the Thermal Decomposition of [Zn(H2O)(O2C5H7)2] in 1-Butanol: Synthesis and Testing as a Sensing Material. Russian Journal of Inorganic Chemistry, 2018, 63, 1519-1528.	0.3	15
95	Impact of a Supersonic Dissociated Air Flow on the Surface of HfB2â€“30 vol % SiC UHTC Produced by the Solâ€–Gel Method. Russian Journal of Inorganic Chemistry, 2018, 63, 1484-1493.	0.3	28
96	ZrB2/HfB2â€–SiC Ultra-High-Temperature Ceramic Materials Modified by Carbon Components: The Review. Russian Journal of Inorganic Chemistry, 2018, 63, 1772-1795.	0.3	20
97	Preparation and Characterization of MgH2 Mechanocomposites with Mg2NiH0.3 + Mg2NiH4 â€“ Î´ Two-Phase Mixture. Russian Journal of Inorganic Chemistry, 2018, 63, 1529-1533.	0.3	4
98	Synthesis and Physicochemical Properties of Nanopowders and Ceramics in a CeO2â€“Gd2O3 System. Glass Physics and Chemistry, 2018, 44, 314-321.	0.2	15
99	Impact of a Subsonic Dissociated Air Flow on the Surface of HfB2â€“30 vol % SiC UHTC Produced by the Solâ€–Gel Method. Russian Journal of Inorganic Chemistry, 2018, 63, 1345-1355.	0.3	18
100	Synthesis of Mg(Fe0.8Ga0.2)2O4 by Gel Combustion Using Glycine and Starch. Russian Journal of Inorganic Chemistry, 2018, 63, 1257-1261.	0.3	5
101	Spark plasma sintering of nanopowders in the CeO2-Y2O3 system as a promising approach to the creation of nanocrystalline intermediate-temperature solid electrolytes. Ceramics International, 2018, 44, 19879-19884.	2.3	28
102	Heat-Treatment-Induced Evolution of the Mesostructure of Finely Divided Y3Al5O12 Produced by the Solâ€–Gel Method. Russian Journal of Inorganic Chemistry, 2018, 63, 691-699.	0.3	12
103	Reducing Humidity Response of Gas Sensors for Medical Applications: Use of Spark Discharge Synthesis of Metal Oxide Nanoparticles. Sensors, 2018, 18, 2600.	2.1	32
104	Tin Acetylacetonate as a Precursor for Producing Gas-Sensing SnO2 Thin Films. Russian Journal of Inorganic Chemistry, 2018, 63, 851-860.	0.3	11
105	Methyl viologen iodobismuthates. Polyhedron, 2018, 154, 430-435.	1.0	10
106	Influence of pH of solution on phase composition of samarium-strontium cobaltite powders synthesized by wet chemical technique. Journal of Sol-Gel Science and Technology, 2018, 87, 74-82.	1.1	6
107	Synthesis, vaporization and thermodynamic properties of superfine yttrium aluminum garnet. Journal of Alloys and Compounds, 2018, 764, 397-405.	2.8	7
108	Polymer Technology of Porous SiC Ceramics Using Milled SiO2 Fibers. Russian Journal of Inorganic Chemistry, 2018, 63, 574-582.	0.3	3

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109	Preparation of porous SiC-ceramics by solâ€“gel and spark plasma sintering. Journal of Sol-Gel Science and Technology, 2017, 82, 748-759.	1.1	29
110	Hybrid halobismuthates: a coordinated BrIBr â€“ anion. Mendeleev Communications, 2017, 27, 454-455.	0.6	16
111	Solâ€“gel synthesis of iron yttrium garnet Y3Fe5O12 using metal acetylacetonates. Russian Journal of Inorganic Chemistry, 2017, 62, 1135-1140.	0.3	7
112	Synthesis, thermal stability, crystal structure and optical properties of 1,1â€²-(1, n) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (-alkan	1.0	17
113	Production of porous ceramic materials using nanodisperse SiC powder. Russian Journal of Inorganic Chemistry, 2017, 62, 863-869.	0.3	10
114	Study of the effect of methods for liquid-phase synthesis of nanopowders on the structure and physicochemical properties of ceramics in the CeO2â€“Y2O3 system. Russian Journal of Inorganic Chemistry, 2017, 62, 1275-1285.	0.3	18
115	Thin films of the composition 8% Y2O3â€“92% ZrO2 (8YSZ) as gas-sensing materials for oxygen detection. Russian Journal of Inorganic Chemistry, 2017, 62, 695-701.	0.3	22
116	Synthesis of nanocrystalline ZnO by the thermal decomposition of [Zn(H2O)(O2C5H7)2] in isoamyl alcohol. Russian Journal of Inorganic Chemistry, 2017, 62, 1415-1425.	0.3	15
117	Bis(4-cyano-1-pyridino)pentane halobismuthates. Light-harvesting material with an optical band gap of 1.59 eV. Mendeleev Communications, 2017, 27, 271-273.	0.6	27
118	Preparation of nanostructured titania thin films by solâ€“gel technology. Russian Journal of Inorganic Chemistry, 2016, 61, 1505-1511.	0.3	11
119	Preparation of MB2/SiC and MB2/SiC-MC (M = Zr or Hf) powder composites which are promising materials for design of ultra-high-temperature ceramics. Russian Journal of Inorganic Chemistry, 2016, 61, 1649-1676.	0.3	13
120	Preparation of HfB2/SiC composite powders by solâ€“gel technology. Russian Journal of Inorganic Chemistry, 2016, 61, 1483-1498.	0.3	13
121	Liquid-phase synthesis and physicochemical properties of xerogels, nanopowders and thin films of the CeO2â€“Y2O3 system. Russian Journal of Inorganic Chemistry, 2016, 61, 1061-1069.	0.3	20
122	Preparation of nanostructured thin films of yttrium iron garnet (Y3Fe5O12) by solâ€“gel technology. Russian Journal of Inorganic Chemistry, 2016, 61, 805-810.	0.3	11
123	Influence of the composition of [Ti(OC4H9)4 â€“ x (O2C5H7) x] complexes and hydrolysis conditions on the synthesis of titania by solâ€“gel technology. Russian Journal of Inorganic Chemistry, 2016, 61, 929-939.	0.3	13
124	SiO2 aerogels modified by perfluoro acid amides: a precisely controlled hydrophobicity. RSC Advances, 2016, 6, 80766-80772.	1.7	7
125	How xerogel carbonization conditions affect the reactivity of highly disperse SiO2â€“C composites in the solâ€“gel synthesis of nanocrystalline silicon carbide. Russian Journal of Inorganic Chemistry, 2016, 61, 1347-1360.	0.3	8
126	Behavior of HfB2-SiC (10, 15, and 20 vol %) ceramic materials in high-enthalpy air flows. Russian Journal of Inorganic Chemistry, 2016, 61, 1203-1218.	0.3	29

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127	Gel formation specifics in the synthesis of Mg(Fe0.8Ga0.2)2O4 by the glycineâ€“nitrate method. Russian Journal of Inorganic Chemistry, 2016, 61, 1301-1306.	0.3	9
128	Gel decomposition and formation of MgFe1.6Ga0.4Đž4 powders. Russian Journal of Inorganic Chemistry, 2016, 61, 1026-1030.	0.3	2
129	Tin trifluoroacetylacetonate [Sn(C5H4O2F3)2] as a precursor of tin dioxide in APCVD process. Russian Journal of Inorganic Chemistry, 2016, 61, 545-553.	0.3	3
130	Cerous phosphate gels: Synthesis, thermal decomposition and hydrothermal crystallization paths. Journal of Non-Crystalline Solids, 2016, 447, 183-189.	1.5	16
131	Preparation of nanostructured thin films of yttrium aluminum garnet (Y3Al5O12) by Solâ€”Gel technology. Russian Journal of Inorganic Chemistry, 2016, 61, 667-673.	0.3	16
132	Gel formation during solâ€“gel synthesis of silicon dioxide. Russian Journal of Inorganic Chemistry, 2015, 60, 1444-1451.	0.3	13
133	Study of the synthesis of nanocrystalline mixed tantalumâ€“zirconium carbide. Physics of Atomic Nuclei, 2015, 78, 1357-1365.	0.1	13
134	Synthesis, vaporization and thermodynamics of ceramic powders based on the Y2O3â€“ZrO2â€“HfO2 system. Materials Chemistry and Physics, 2015, 153, 78-87.	2.0	30
135	Composites based on self-assembled MnAs ferromagnet nanoclusters embedded in ZnSnAs2 semiconductor. Journal of Alloys and Compounds, 2015, 650, 277-284.	2.8	16
136	Heating-induced transformation of pseudoboehmite and a mixture of pseudoboehmite, aluminum nitride, and aluminum oxide. Inorganic Materials, 2015, 51, 641-644.	0.2	0
137	Behavior of a sample of the ceramic material HfB2â€“SiC (45 vol %) in the flow of dissociated air and the analysis of the emission spectrum of the boundary layer above its surface. Russian Journal of Inorganic Chemistry, 2015, 60, 1360-1373.	0.3	32
138	Production of 8%Y2O3-92%ZrO2 (8YSZ) thin films by sol-gel technology. Russian Journal of Inorganic Chemistry, 2015, 60, 795-803.	0.3	19
139	Preparation of highly porous Nb x Ta1â€“x C ceramics from polymer-matrix composite materials based on a phenol-formaldehyde binder and low hydrated hydroxide of niobium and tantalum. Inorganic Materials, 2015, 51, 1066-1072.	0.2	6
140	Glycolâ€“citrate synthesis of ultrafine lanthanum zirconate. Russian Journal of Inorganic Chemistry, 2015, 60, 1452-1458.	0.3	19
141	Phase diagram of the ZnSnAs2â€“MnAs system. Journal of Alloys and Compounds, 2015, 626, 9-15.	2.8	4
142	Preparation of high-porous SiC ceramics from polymeric composites based on diatomite powder. Journal of Materials Science, 2015, 50, 733-744.	1.7	16
143	Theoretical Đ¡onsideration of Gas Phase Hydrolytic Stability of Crown Ether Based CVD-Precursors of Metal Oxides Thin Films. Macroheterocycles, 2015, 8, 185-192.	0.9	0
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