Valentina L Stolyarova

List of Publications by Year
in descending order

142 papers	1,090 citations	516561 16 h-index	677027 22 g-index
144 all docs	144 docs citations	144 times ranked	412 citing authors

#	Article	IF	Citations
1	Synthesis, Vaporization and Thermodynamic Properties of Superfine Nd₂Hf₂O₇ and Gd₂Hf₂O₇. European Journal of Inorganic Chemistry, 2013, 2013, 4636-4644.	1.0	44
2	The Ti3SiC2 max phases as promising materials for high temperature applications: Formation under various synthesis conditions. Materials Chemistry and Physics, 2021, 267, 124625.	2.0	41
3	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
4	Vaporization and thermodynamic properties of lanthanum hafnate. Journal of Alloys and Compounds, 2018, 735, 2348-2355.	2.8	28
5	High-temperature thermodynamic properties of the Al2O3-SiO2 system. Inorganic Materials, 2005, 41, 362-369.	0.2	27
6	High Temperature Mass Spectrometric Study of Thermodynamic Properties of the CaOâ€‰â€â€‰SiO2 System. Journal of the Electrochemical Society, 1991, 138, 3710-3714.	1.3	26
7	Mass spectrometric study of thermodynamic properties in the Yb₂O₃â€ZrO₂ system at high temperatures. Rapid Communications in Mass Spectrometry, 2014, 28, 109-114.	0.7	25
8	Mass spectrometric study of thermodynamic properties in the Gd₂O₃â€Y₂O₃ system at high temperatures. Rapid Communications in Mass Spectrometry, 2017, 31, 538-546.	0.7	24
9	Mass spectrometric thermodynamic studies of oxide systems and materials. Russian Chemical Reviews, 2016, 85, 60-80.	2.5	23
10	A mass spectrometric study of Al2O3-SiO2melts using a Knudsen cell. Rapid Communications in Mass Spectrometry, 2001, 15, 836-842.	0.7	21
11	Thermodynamic properties and structure of ternary silicate glass-forming melts: Experimental studies and modeling. Journal of Non-Crystalline Solids, 2008, 354, 1373-1377.	1.5	18
12	Highâ€temperature mass spectrometric study of the vaporization processes and thermodynamic properties in the Gd₂O₃â€Y₂O₃â€HfO₂ system. Rapid Communications in Mass Spectrometry, 2017, 31, 1137-1146.	0.7	18
13	Thermodynamics and vaporization of ceramics based on the Y2O3-ZrO2 system studied by KEMS. Journal of Alloys and Compounds, 2019, 794, 606-614.	2.8	18
14	High temperature mass spectrometric study of 3Al2O3 Â· 2SiO2. Rapid Communications in Mass Spectrometry, 1994, 8, 478-480.	0.7	17
15	Synthesis, vaporization, and thermodynamics of ultrafine Nd2Hf2O7 powders. Russian Journal of Inorganic Chemistry, 2013, 58, 1-8.	0.3	17
16	High-temperature mass spectrometric study of the vaporization processes of V2 O3 and vanadium-containing slags. Rapid Communications in Mass Spectrometry, 2010, 24, 2420-2430.	0.7	16
17	Mass-spectrometric study of vaporization of high refractory ceramics. Doklady Physical Chemistry, 2015, 463, 150-153.	0.2	16
18	Vaporization and thermodynamics of ceramics based on the La₂O₃â€Y₂O₃â€HfO₂ system studied by the highâ€temperature mass spectrometric method. Rapid Communications in Mass Spectrometry, 2018, 32, 686-694.	0.7	16

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19	Thermodynamic properties of the UO2î—¸ZrO2 system studied by the isothermal mass spectrometric vaporization method. Journal of Nuclear Materials, 1997, 247, 41-45.	1.3	15
20	A Mass Spectrometric Study of the Thermodynamic Properties of Oxide Melts. Glass Physics and Chemistry, 2001, 27, 3-15.	0.2	14
21	Thermodynamic properties of silicate glasses and melts: I. System BaO-SiO2. Russian Journal of General Chemistry, 2006, 76, 1522-1530.	0.3	14
22	Vaporization and thermodynamics of ceramics in the Y₂O₃â€ZrO₂â€HfO₂ system. Rapid Communications in Mass Spectrometry, 2019, 33, 1537-1546.	0.7	14
23	Vaporization and thermodynamics of ceramics in the Sm 2 O 3 â€Y 2 O 3 â€HfO 2 system. Rapid Communications in Mass Spectrometry, 2020, 34, e8693.	0.7	14
24	Mass spectrometric study of thermodynamic properties and vaporization processes in the Na2Oî—¸B2O3î—¸GeO2 glass-forming melts. Journal of Non-Crystalline Solids, 1980, 38-39, 581-586.	1.5	13
25	Determination of the saturation vapor pressure of silicon by Knudsen cell mass spectrometry. Russian Journal of Inorganic Chemistry, 2012, 57, 219-225.	0.3	13
26	Highâ€temperature mass spectrometric study and modeling of thermodynamic properties of binary glassâ€forming systems containing Bi₂O₃. Rapid Communications in Mass Spectrometry, 2014, 28, 801-810.	0.7	13
27	Ceramics based on the Sm2O3â€“Y2O3 and Sm2O3â€“HfO2 systems at high temperatures: Thermodynamics and modeling. Materials Chemistry and Physics, 2020, 252, 123240.	2.0	13
28	High temperature mass spectrometric study of oxide systems and materials. Rapid Communications in Mass Spectrometry, 1993, 7, 1022-1032.	0.7	12
29	Vaporization and Thermodynamic Properties of Melts in the Na2Oâ€“B2O3â€“SiO2 System. Glass Physics and Chemistry, 2002, 28, 112-116.	0.2	12
30	Highâ€temperature mass spectrometric study of the vaporization processes in the system CaOâ€MgOâ€Al₂O₃â€Cr₂O₃â€FeOâ€SiO₂. Rapid Communications in Mass Spectrometry, 2009, 23, 2233-2239.	0.7	12
31	Highâ€temperature mass spectrometric study of the vaporization processes and thermodynamic properties of samples in the Bi₂O₃â€P₂O₅â€SiO₂ system. Rapid Communications in Mass Spectrometry, 2017, 31, 111-120.	0.7	12
32	Thermodynamic description of the Gd2O3-Y2O3-HfO2 and La2O3-Y2O3-HfO2 systems at high temperatures. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 65, 165-170.	0.7	12
33	Thermodynamic properties of the gaseous barium silicates BaSiO2 and BaSiO3. Journal of Chemical Thermodynamics, 2006, 38, 1706-1710.	1.0	11
34	Relative volatility of borosilicate glasses: a mass spectrometric study. Rapid Communications in Mass Spectrometry, 1998, 12, 1330-1334.	0.7	10
35	Application of the Sanderson Method to the Calculation of Bonding Energies in Oxide Glass-Forming Systems. Glass Physics and Chemistry, 2003, 29, 517-521.	0.2	10
36	Thermodynamic properties of silicate glasses and melts: II. System SrO-SiO2. Russian Journal of General Chemistry, 2006, 76, 1878-1884.	0.3	10

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37	Review KEMS 2012 till 2017. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 258-266.	0.7	10
38	Investigation of the Physicochemical Properties of Ceramics in the Sm2O3â€“Y2O3â€“HfO2 System for Developing Promising Thermal Barrier Coatings. Russian Journal of Inorganic Chemistry, 2020, 65, 914-923.	0.3	10
39	Optimization of the Thermodynamic Properties of the Sm2O3â€“Y2O3â€“HfO2 System at High Temperatures by the Barker Method. Russian Journal of Inorganic Chemistry, 2020, 65, 773-780.	0.3	10
40	Mass spectrometric study of the vaporization and thermodynamic properties of components in the BaO-TiO2-SiO2 system. Glass Physics and Chemistry, 2005, 31, 132-137.	0.2	9
41	On the fluctuation structure of single-phase glasses in the SrO-B2O3-SiO2 system. Glass Physics and Chemistry, 2009, 35, 455-462.	0.2	9
42	Thermodynamic properties of silicate glasses and melts: VII. System MgO-B2O3-SiO2. Russian Journal of General Chemistry, 2010, 80, 2405-2413.	0.3	9
43	Application of the Barker lattice theory to modeling of thermodynamic properties of PbOâ€“B2O3â€“SiO2 melts. Journal of Non-Crystalline Solids, 2013, 366, 6-12.	1.5	9
44	Thermodynamic properties of the La2O3-HfO2 system at high temperatures. Thermochimica Acta, 2018, 668, 87-95.	1.2	9
45	Features of Thermodynamic Description of Properties of Gd2O3-Y2O3-HfO2 Based Ceramics. Russian Journal of General Chemistry, 2019, 89, 475-479.	0.3	9
46	High temperature mass spectrometric study of the B2O3ï£¿Al2O3 system at 1248-1850 K. Rapid Communications in Mass Spectrometry, 1995, 9, 1244-1251.	0.7	8
47	Application of a QMG-420 mass spectrometer for high temperature studies. Vacuum, 1995, 46, 871-874.	1.6	8
48	Vaporization studies of oxide systems using a QMS-420 mass spectrometer. Vacuum, 1998, 49, 161-165.	1.6	8
49	Title is missing!. Glass Physics and Chemistry, 2001, 27, 132-147.	0.2	8
50	Mass spectrometric study of evaporation of alumina in the presence of carbon. Doklady Chemistry, 2004, 399, 257-260.	0.2	8
51	On the structure of glasses in the BaO-B2O3-SiO2 system. Glass Physics and Chemistry, 2010, 36, 554-560.	0.2	8
52	Samarium Oxide at High Temperatures: Sublimation and Thermodynamics. Russian Journal of General Chemistry, 2020, 90, 874-876.	0.3	8
53	Thermodynamic Properties of the MgOâ€“SiO2System by High-Temperature Mass Spectrometry. Doklady Physical Chemistry, 2004, 399, 275-277.	0.2	7
54	Mass Spectrometric Study of the Thermodynamic Properties of Melts in the Cs2O-B2O3 System. Glass Physics and Chemistry, 2005, 31, 789-796.	0.2	7

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55	Phase equilibria and thermodynamic properties of components in the Cs2O-B2O3-SiO2 system at high temperatures. Glass Physics and Chemistry, 2006, 32, 55-62.	0.2	7
56	On the structure of glass of the PbO-B2O3-SiO2 and CdO-SiO2-B2O3 systems. Glass Physics and Chemistry, 2013, 39, 624-633.	0.2	7
57	Thermodynamic properties of silicate glasses and melts: IX. Bi2O3-SiO2 system. Russian Journal of General Chemistry, 2014, 84, 419-423.	0.3	7
58	Synthesis, vaporization and thermodynamic properties of superfine yttrium aluminum garnet. Journal of Alloys and Compounds, 2018, 764, 397-405.	2.8	7
59	Production of Ceramics Based on the Y2O3â€"ZrO2â€"HfO2 System for Casting Molds. Russian Journal of Inorganic Chemistry, 2019, 64, 934-940.	0.3	7
60	Physicochemical Properties of Sm2O3â€"ZrO2â€"HfO2 Ceramics for the Development of Promising Thermal Barrier Coatings. Russian Journal of Inorganic Chemistry, 2021, 66, 789-797.	0.3	7
61	Mass spectrometric study of vaporization processes and thermodynamic properties in the GeO2Â·P2O5 system. Rapid Communications in Mass Spectrometry, 1990, 4, 510-512.	0.7	6
62	A Knudsen Effusion High Temperature Assembly for a Quadrupole QMG-420 Mass Spectrometer. Rapid Communications in Mass Spectrometry, 1997, 11, 1425-1429.	0.7	6
63	High-Temperature Mass Spectrometric Study of the CaO-TiO2-SiO2 System. High Temperature Materials and Processes, 2000, 19, 345-356.	0.6	6
64	Calculations of the Thermodynamic Properties of Glasses and Melts in the Na2O-SiO2 and B2O3-SiO2 Systems on the Basis of the Generalized Lattice Theory of Associated Solutions. Glass Physics and Chemistry, 2005, 31, 763-788.	0.2	6
65	Vaporization of aluminum oxide in neutral and reductive conditions. Russian Journal of General Chemistry, 2006, 76, 1693-1697.	0.3	6
66	Glass transition and liquidus temperatures of low-alkali rubidium and cesium borosilicate glasses from the small-angle X-ray scattering data. Glass Physics and Chemistry, 2006, 32, 287-292.	0.2	6
67	Thermodynamic properties and structure of gaseous metaborates. Glass Physics and Chemistry, 2006, 32, 353-369.	0.2	6
68	Thermodynamic Properties of silicate glasses and melts: VIII. System MgO-Al2O3-SiO2. Russian Journal of General Chemistry, 2011, 81, 2051-2061.	0.3	6
69	Kinetics of early stages of phase separation in glasses of the PbO-B2O3 system. Glass Physics and Chemistry, 2011, 37, 252-257.	0.2	6
70	Thermodynamic properties of lanthanum, neodymium, gadolinium hafnates (Ln2Hf2O7): Calorimetric and KEMS studies. Journal of Materials Research, 2019, 34, 3326-3336.	1.2	6
71	Thermodynamic properties of the Gd2O3-Y2O3-HfO2 system studied by high temperature Knudsen effusion mass spectrometry and optimized using the Barker lattice theory. Journal of Alloys and Compounds, 2019, 791, 1207-1212.	2.8	6
72	Vaporization processes of borosilicate coatings studied by high temperature mass spectrometry and using an induction plasma generator. Rapid Communications in Mass Spectrometry, 1993, 7, 127-131.	0.7	5

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73	Vaporization features of oxide systems studied by high-temperature mass spectrometry. Journal of Nuclear Materials, 1997, 247, 7-10.	1.3	5
74	Mass Spectrometric Study of the Thermodynamic Properties of Melts in the CaOâ€“TiO2â€“SiO2System. Glass Physics and Chemistry, 2004, 30, 142-150.	0.2	5
75	Investigation into the vaporization of Al2O3 in the presence of carbon at high temperatures. Glass Physics and Chemistry, 2006, 32, 191-195.	0.2	5
76	Thermodynamic properties of silicate glasses and melts: VI. System SrO-B2O3-SiO2. Russian Journal of General Chemistry, 2009, 79, 1778-1784.	0.3	5
77	Thermodynamic properties of the system MgO-B2O3 melts. Russian Journal of General Chemistry, 2010, 80, 689-694.	0.3	5
78	Studies of glass structure in the system Bi2O3-B2O3-SiO2. Glass Physics and Chemistry, 2015, 41, 247-253.	0.2	5
79	Reactions of niobium silicide melt with refractory ceramics. Russian Journal of General Chemistry, 2016, 86, 2105-2108.	0.3	5
80	High Temperature Study of Oxide Systems: Thermal Analysis and Knudsen Effusion Mass Spectrometry. Russian Journal of Physical Chemistry A, 2020, 94, 2640-2647.	0.1	5
81	Thermodynamics and vaporization of the Sm2O3â€“ZrO2 system studied by Knudsen effusion mass spectrometry. Journal of Physics and Chemistry of Solids, 2021, 156, 110156.	1.9	5
82	A high temperature mass spectrometric study of the thermodynamic properties of Cu-Mg solid alloys. Rapid Communications in Mass Spectrometry, 1998, 12, 1133-1136.	0.7	4
83	Thermochemical Study of Gaseous Salts of Oxygen-Containing Acids: XVI. Iron(II) Salts. Russian Journal of General Chemistry, 2005, 75, 325-331.	0.3	4
84	Thermochemical Study of Gaseous Salts of Oxygen-containing Acids: XVIII. Cobalt(II) Salts. Russian Journal of General Chemistry, 2005, 75, 1186-1192.	0.3	4
85	Thermodynamic properties of gaseous barium silicates. Doklady Physical Chemistry, 2006, 407, 85-87.	0.2	4
86	A mass spectrometric study of evaporation processes and thermodynamic properties of SrO-SiO2 melts. Doklady Physical Chemistry, 2006, 411, 309-311.	0.2	4
87	Thermodynamic properties of silicate glasses and melts: V. Systems CaB2O4-CaSiO3 and Ca2B2O5-CaSiO3. Russian Journal of General Chemistry, 2008, 78, 1877-1881.	0.3	4
88	Mass spectrometric study of ceramics in the Sm₂O₃â€ZrO₂â€HfO₂ system at high temperatures. Rapid Communications in Mass Spectrometry, 2021, 35, e9066.	0.7	4
89	High Temperature Mass Spectrometric Study of Thermodynamic Properties and Vaporization Processes of Oxide Systems: Experiment and Modeling. The Open Thermodynamics Journal, 2013, 7, 57-70.	0.6	4
90	The hafnia-based ceramics containing lanthana or samaria: mass spectrometric study and calculation of the thermodynamic properties at high temperatures. Materials Today Communications, 2021, 29, 102952.	0.9	4

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91	A high-temperature mass spectrometric study of the vaporization processes of fluxes based on CaO-CaCl2 and CaO-CaF2 systems. Rapid Communications in Mass Spectrometry, 1998, 12, 1335-1343.	0.7	3
92	On the Structure of Low-Alkali Rubidium and Cesium Borate Glasses and Melts. Glass Physics and Chemistry, 2003, 29, 267-275.	0.2	3
93	Mass Spectrometric Study of the Thermodynamic Properties of Melts in the Rb2Oâ€"B2O3System. Glass Physics and Chemistry, 2004, 30, 151-156.	0.2	3
94	Thermochemical Study of Gaseous Salts of Oxygen-Containing Acids: XV. Manganese Molybdates and Tungstates. Russian Journal of General Chemistry, 2004, 74, 983-988.	0.3	3
95	Mass spectrometric study of evaporation processes and thermodynamic properties of BaO-SiO2 melts. Doklady Physical Chemistry, 2006, 409, 186-187.	0.2	3
96	Thermodynamic properties of gaseous strontium silicates. Doklady Physical Chemistry, 2006, 411, 315-316.	0.2	3
97	Thermodynamic properties of melts of SrO-B2O3 and BaO-B2O3 systems. Russian Journal of General Chemistry, 2006, 76, 1687-1692.	0.3	3
98	Thermodynamic properties of silicate glasses and melts: III. System Rb2O-B2O3-SiO2. Russian Journal of General Chemistry, 2007, 77, 997-1001.	0.3	3
99	Thermodynamic properties of silicate glasses and melts: IV. System BaO-B2O3-SiO2. Russian Journal of General Chemistry, 2008, 78, 14-18.	0.3	3
100	Thermodynamic properties of melts of the system CaO-B2O3. Russian Journal of General Chemistry, 2008, 78, 1139-1145.	0.3	3
101	Highâ€temperature mass spectrometric study of the vaporization processes and thermodynamic properties of melts in the PbOâ€B₂O₃â€SiO₂ system. Rapid Communications in Mass Spectrometry, 2013, 27, 1559-1566.	0.7	3
102	Vaporization Processes and Thermodynamic Properties of Oxide Systems Studied by High Temperature Mass Spectrometry. ECS Transactions, 2013, 46, 55-67.	0.3	3
103	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
104	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
105	The viscosity of Bi2O3â€"B2O3â€"SiO2 glasses and melts. Glass Technology: European Journal of Glass Science and Technology Part A, 2019, 60, 105-110.	0.2	3
106	Thermodynamic approach for prediction of oxide materials properties at high temperatures. Pure and Applied Chemistry, 2020, 92, 1259-1264.	0.9	3
107	Vaporization and thermodynamics of glasses and glass-forming melts in ternary oxide systems. Applied Solid State Chemistry, 2017, 1, 26-30.	0.1	3
108	High-temperature Mass Spectrometric Study of the Vaporization Processes in the DyF3-Dy2O3 System. Rapid Communications in Mass Spectrometry, 1996, 10, 781-789.	0.7	2

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109	Title is missing!. Glass Physics and Chemistry, 2003, 29, 451-455.	0.2	2
110	Gaseous Manganese Molybdates and Tungstates. Doklady Physical Chemistry, 2004, 395, 80-83.	0.2	2
111	Thermodynamic Properties of Gaseous Strontium and Barium Ferrates. Doklady Physical Chemistry, 2004, 397, 158-160.	0.2	2
112	Specifics of Light Scattering after Temperature Jumps in Oxide Glasses in the Glass Transition Range. Doklady Physical Chemistry, 2005, 405, 221-223.	0.2	2
113	Vaporization processes and thermodynamic properties of oxide systems at high temperatures: Experimental study and modeling. Glass Physics and Chemistry, 2005, 31, 30-43.	0.2	2
114	Thermodynamic properties of gaseous salts formed by Nickel(II) oxide. Doklady Physical Chemistry, 2006, 406, 27-29.	0.2	2
115	Thermochemical study of gaseous salts of oxygen-containing acids: XIX. Nickel(II) salts. Russian Journal of General Chemistry, 2006, 76, 340-345.	0.3	2
116	Mass spectrometric investigation of the vaporization and thermodynamic properties of components in the BaO-SiO2 system. Glass Physics and Chemistry, 2006, 32, 533-542.	0.2	2
117	Mass spectrometric investigation of the thermodynamic properties of glass melts in the Cs2O-B2O3-SiO2 system at high temperatures. Glass Physics and Chemistry, 2006, 32, 543-549.	0.2	2
118	Simulation of thermodynamic properties of borosilicate melts containing alkaline-earth metal oxides. Russian Journal of General Chemistry, 2010, 80, 2414-2424.	0.3	2
119	Highâ€temperature mass spectrometric study of thermodynamic properties in the UO₂â€“ZrO₂ system. Rapid Communications in Mass Spectrometry, 2020, 34, e8862.	0.7	2
120	Simultaneous thermal analysis of samples in the Bi2O3-P2O5-SiO2 system: Comparison with the KEMS data. Thermochimica Acta, 2020, 685, 178531.	1.2	2
121	Samarium zirconate: Thermodynamics and vaporization at high temperatures. Materials Today Communications, 2021, 27, 102200.	0.9	2
122	High Temperature Mass Spectrometric Studies of the Thermodynamic Properties of Glass-Forming Systems. , 1990, , 405-414.		2
123	Highâ€temperature mass spectrometric study of the thermodynamic properties in the Sm₂O₃â€ZrO₂â€HfO₂ system. Rapid Communications in Mass Spectrometry, 2022, 36, e9238.	0.7	2
124	High-temperature mass spectrometric study of the thermodynamic properties of the CaOï£¿Al2o3 system. Rapid Communications in Mass Spectrometry, 1995, 9, 686-692.	0.7	1
125	Thermodynamic Properties of Gaseous Iron(II) Salts. Doklady Physical Chemistry, 2004, 398, 208-210.	0.2	1
126	Mass spectrometric study of the Al2O3-SiO2 System. Doklady Physical Chemistry, 2004, 399, 302-304.	0.2	1

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127	Temperature dependences of the viscosity for some glasses in the Cs2O-B2O3-SiO2 system. Glass Physics and Chemistry, 2006, 32, 52-54.	0.2	1
128	Calculations of the thermodynamic properties of glasses and melts in the Cs2O-B2O3-SiO2 system in the framework of the generalized lattice theory of associated solutions. Glass Physics and Chemistry, 2006, 32, 181-190.	0.2	1
129	Simulation of the thermodynamic properties of glass melts in the Cs2O-B2O3-SiO2 system in the concentration range 0.06â€“0.50 mole fractions of Cs2O at a temperature of 1020 K. Glass Physics and Chemistry, 2006, 32, 550-564.	0.2	1
130	Thermochemical study of gaseous salts of oxygen-containing acids: XXV. Magnesium borates. Russian Journal of General Chemistry, 2010, 80, 379-384.	0.3	1
131	Thermodynamic properties and phase equilibria in the system MgO-Al2O3-SiO2 at high temperatures. Russian Chemical Bulletin, 2012, 61, 809-812.	0.4	1
132	High Temperature Mass Spectrometric Study of the TiO2â€“Al2O3 System. Russian Journal of General Chemistry, 2021, 91, 1999-2007.	0.3	1
133	Constitution and Thermodynamic Properties of Phosphates of Group IV Elements (Si, Ge, Ti, Zr, Hf). Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 51, 424-424.	0.8	0
134	Thermophysical characteristics of glasses based on the Na2O -B2O3-SiO2 system. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2002, 69, 207.	0.2	0
135	Study of the refractive-index variation of glasses in the B2O3ÃƒÂ¢Ã‚â‚¬Ã‚â€œ SiO2 system during. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2003, 70, 58.	0.2	0
136	Thermodynamic properties of gaseous salts formed by cobalt(II) oxide. Doklady Physical Chemistry, 2005, 401, 41-43.	0.2	0
137	Simulation of the thermodynamic properties of glass-forming melts in the Na2O-B2O3-SiO2 system in the framework of the generalized lattice theory of associated solutions. Glass Physics and Chemistry, 2006, 32, 422-435.	0.2	0
138	Design and physicochemical studies of advanced materials at the Saint Petersburg State University. Russian Chemical Reviews, 2016, 85, E01-E01.	2.5	0
139	On the Glass Structure of the Bi2O3â€“SiO2â€“GeO2 System. Glass Physics and Chemistry, 2020, 46, 234-241.	0.2	0
140	High-temperature behavior of oxide systems containing rare-earth elements. Chemical Engineering, 2021, 22, 123-133.	0.1	0
141	Mass spectrometric study and modeling of the thermodynamic properties in the Gd₂O₃â€ZrO₂â€HfO₂ system at high temperatures. Rapid Communications in Mass Spectrometry, 2022, 36, e9306.	0.7	0
142	Thermodynamics and vaporization of ceramics based on the Gd2O3-ZrO2 and Gd2O3-HfO2 systems studied by KEMS. Journal of Alloys and Compounds, 2022, 908, 164575.	2.8	0