Sergey M Shugurov

List of Publications by Year
in descending order

90 papers	582 citations	759233 12 h-index	888059 17 g-index
93 all docs	93 docs citations	93 times ranked	295 citing authors

#	Article	IF	Citations
1	Highâ€temperature mass spectrometric study of the thermodynamic properties in the Sm₂O₃â€ZrO₂â€HfO₂ system. Rapid Communications in Mass Spectrometry, 2022, 36, e9238.	1.5	2
2	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.	1.5	0
3	Vaporization and thermodynamic properties of the SrOâ€Al₂O₃ system studied by Knudsen effusion mass spectrometry. Rapid Communications in Mass Spectrometry, 2022, 36, e9298.	1.5	4
4	Development of Novel Polyamide-Imide/DES Composites and Their Application for Pervaporation and Gas Separation. Molecules, 2021, 26, 990.	3.8	6
5	Mass spectrometric study of ceramics in the Sm₂O₃â€ZrO₂â€HfO₂ system at high temperatures. Rapid Communications in Mass Spectrometry, 2021, 35, e9066.	1.5	4
6	Thermal prehistory, structure and high-temperature thermodynamic properties of Y2O3-CeO2 and Y2O3-ZrO2-CeO2 solid solutions. Ceramics International, 2021, 47, 11072-11079.	4.8	7
7	Vapor pressures and thermodynamic properties of simple and complex iodides. Thermochimica Acta, 2021, 703, 178996.	2.7	1
8	Thermodynamics and vaporization of the Sm2O3â€"ZrO2 system studied by Knudsen effusion mass spectrometry. Journal of Physics and Chemistry of Solids, 2021, 156, 110156.	4.0	5
9	Evaporation and Thermodynamic Properties of the CeO2â€"TiO2â€"ZrO2 System. Russian Journal of General Chemistry, 2021, 91, 2008-2012.	0.8	4
10	The effect of Ð¡uO on the microstructure, spectral characteristics, thermal and electrical properties of BiNbO4 ceramics. Journal of Alloys and Compounds, 2020, 822, 153619.	5.5	9
11	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.	1.5	14
12	Ceramics based on the Sm2O3â€"Y2O3 and Sm2O3â€"HfO2 systems at high temperatures: Thermodynamics and modeling. Materials Chemistry and Physics, 2020, 252, 123240.	4.0	13
13	Thermodynamic properties of gaseous BaSnO 2 and Ba 2 O 2 studied by Knudsen effusion mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8716.	1.5	0
14	Thermochemical study of gaseous indiumâ€"arsenic sulfosalt. Rapid Communications in Mass Spectrometry, 2019, 33, 1826-1833.	1.5	2
15	Asymmetric Membranes Based on Copolyheteroarylenes with Imide, Biquinoline, and Oxazinone Units: Formation and Characterization. Polymers, 2019, 11, 1542.	4.5	8
16	Thermodynamic properties of gaseous cerium phosphate studied by Knudsen effusion mass spectrometry. Journal of Mass Spectrometry, 2019, 54, 507-519.	1.6	0
17	Vaporization features of CeO2ZrO2 solid solutions at high temperature. Journal of Alloys and Compounds, 2019, 776, 194-201.	5.5	11
18	Thermal stability of CaCu3Ti4O12: Simultaneous thermal analysis and high-temperature mass spectrometric study. Ceramics International, 2018, 44, 20841-20844.	4.8	15

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19	Thermodynamic properties of gaseous cerium molybdates and tungstates studied by Knudsen effusion mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 1608-1616.	1.5	2
20	Sorption properties and transport parameters of membranes based on polybenzoxazinoneimide and its prepolymer. Petroleum Chemistry, 2017, 57, 318-326.	1.4	7
21	Preparation and characterization of methanol selective membranes based on polyheteroaryleneâ€‰âˆ’â€‰Cu(I) complexes for purification of methyl tertiary butyl ether. Polymer International, 2017, 66, 1873-1882.	3.1	13
22	Thermodynamic properties of the La₂O₃â€“ZrO₂ system by Knudsen effusion mass spectrometry at high temperature. Rapid Communications in Mass Spectrometry, 2017, 31, 2021-2029.	1.5	24
23	Evaluation of relative electron ionization crossâ€sections for some oxides and oxyacid salts. Rapid Communications in Mass Spectrometry, 2017, 31, 1559-1564.	1.5	7
24	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.	1.5	12
25	Mass spectrometric study of thermodynamic properties of BaO-CeO2. The formation enthalpy of BaCeO3 (solid). Journal of Alloys and Compounds, 2017, 693, 1028-1034.	5.5	10
26	Thermochemical study of gaseous salts of oxygen-containing acids: XXI. Zinc phosphate. Russian Journal of General Chemistry, 2016, 86, 778-784.	0.8	4
27	Thermodynamics of gaseous barium cerate studied by Knudsen effusion mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 2027-2032.	1.5	9
28	Thermochemical study of gaseous salts of oxygen-containing acids: XXII.1 Lead salts. Russian Journal of General Chemistry, 2016, 86, 2243-2255.	0.8	2
29	Mass spectrometric study of thermodynamic properties of gaseous lead tellurates. Estimation of formation enthalpies of gaseous lead polonates. Journal of Nuclear Materials, 2016, 479, 271-278.	2.7	2
30	Thermodynamic properties of the gaseous lead phosphates. Journal of Chemical Thermodynamics, 2016, 101, 337-342.	2.0	6
31	Gaseous complex sulfides. Russian Journal of General Chemistry, 2016, 86, 1191-1192.	0.8	1
32	Thermodynamic study of gaseous tin molybdates by highâ€temperature mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 1427-1436.	1.5	4
33	Thermochemical study of gaseous salts of oxygen-containing acids: XIX. Tin salts. Russian Journal of General Chemistry, 2015, 85, 1351-1369.	0.8	6
34	Formation and thermodynamics of gaseous germanium and tin vanadates: a mass spectrometric and quantum chemical study. Dalton Transactions, 2015, 44, 10014-10021.	3.3	2
35	Thermochemical study of gaseous salts of oxygen-containing acids: XX. Germanium salts. Russian Journal of General Chemistry, 2015, 85, 1588-1598.	0.8	3
36	Mass spectrometric study of thermodynamic properties of gaseous tin borates SnB2O4 and Sn2B2O5. International Journal of Mass Spectrometry, 2015, 392, 69-72.	1.5	1

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37	Gaseous titanium molybdates and tungstates: Thermodynamic properties and structures. Rapid Communications in Mass Spectrometry, 2014, 28, 2636-2644.	1.5	8
38	Mass spectrometric study of thermodynamic properties in the Yb₂O₃â€ZrO₂ system at high temperatures. Rapid Communications in Mass Spectrometry, 2014, 28, 109-114.	1.5	25
39	Thermodynamic properties of the Lu2O3â€“ZrO2 solid solutions by Knudsen effusion mass spectrometry at high temperature. Journal of Chemical Thermodynamics, 2014, 72, 85-88.	2.0	28
40	Thermal stability and structures of gaseous GeB2O4 and GeMo2O7. RSC Advances, 2014, 4, 39725-39731.	3.6	7
41	Thermodynamic properties of silicate glasses and melts: IX. Bi2O3-SiO2 system. Russian Journal of General Chemistry, 2014, 84, 419-423.	0.8	7
42	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.	1.5	13
43	Stability and structures of gaseous In2MoO4, In2WO4 and In2W2O7. Dalton Transactions, 2013, 42, 8339.	3.3	10
44	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.	1.5	3
45	Thermodynamic properties and structure of gaseous BMoO₄. Dalton Transactions, 2013, 42, 1210-1214.	3.3	8
46	Thermodynamic Properties of Gaseous Alkali Metal Vanadates Monomers and Dimers by High Temperature Mass Spectrometry. ECS Transactions, 2013, 46, 211-216.	0.5	0
47	Highâ€temperature mass spectrometric determinations of relative ionization crossâ€sections of gaseous TiO, TiO₂, VO, VO₂, YO, HfO and GeO molecules. Rapid Communications in Mass Spectrometry, 2013, 27, 2338-2342.	1.5	7
48	High Temperature Mass Spectrometric Study of the Gaseous Gallium Oxyacid Salts. ECS Transactions, 2013, 46, 217-221.	0.5	0
49	Gaseous Vanadium Molybdate and Tungstates: Thermodynamic Properties and Structures. Inorganic Chemistry, 2012, 51, 4918-4924.	4.0	15
50	Thermochemical study of gaseous salts of oxygen-containing acids: XXVII. Antimonites of alkali metals. Russian Journal of General Chemistry, 2011, 81, 1411-1416.	0.8	4
51	Thermochemical study of gaseous salts of oxygen-containing acids: XXVIII. Gallium borates. Russian Journal of General Chemistry, 2011, 81, 2045-2050.	0.8	2
52	Thermodynamic study of gaseous vanadium phosphates by highâ€temperature mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 3464-3468.	1.5	9
53	Thermochemical study of gaseous salts of oxygen-containing acids: XXV. Magnesium borates. Russian Journal of General Chemistry, 2010, 80, 379-384.	0.8	1
54	Thermodynamic properties of the system MgO-B2O3 melts. Russian Journal of General Chemistry, 2010, 80, 689-694.	0.8	5

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55	Thermochemical study of gaseous salts of oxygen-containing acids: XXVI. Iodates of alkali metals. Russian Journal of General Chemistry, 2010, 80, 875-880.	0.8	2
56	Thermodynamic properties of silicate glasses and melts: VII. System MgO-B2O3-SiO2. Russian Journal of General Chemistry, 2010, 80, 2405-2413.	0.8	9
57	Thermodynamic Properties of the Gaseous Gallium Molybdates and Tungstates. Journal of Physical Chemistry A, 2009, 113, 13469-13474.	2.5	10
58	Thermochemical study of gaseous salts of oxygen-containing acids: XXII. Tin molybdates. Russian Journal of General Chemistry, 2008, 78, 847-853.	0.8	3
59	Thermochemical study of gaseous salts of oxygen-containing acids: XXIII. Molecules MnB2O4, MnNbO2, MnNbO3 and MnTiO3. Russian Journal of General Chemistry, 2008, 78, 854-859.	0.8	2
60	Thermodynamic properties of melts of the system CaO-B2O3. Russian Journal of General Chemistry, 2008, 78, 1139-1145.	0.8	3
61	Thermodynamic properties of silicate glasses and melts: V. Systems CaB2O4-CaSiO3 and Ca2B2O5-CaSiO3. Russian Journal of General Chemistry, 2008, 78, 1877-1881.	0.8	4
62	Thermochemical study of gaseous salts of oxygen-containing acids: XXIV. Polymers of alkali metals perrenates. Russian Journal of General Chemistry, 2008, 78, 1882-1888.	0.8	4
63	Thermodynamics of gaseous calcium silicates. Doklady Physical Chemistry, 2008, 418, 5-6.	0.9	3
64	Thermodynamic properties of silicate glasses and melts: III. System Rb2O-B2O3-SiO2. Russian Journal of General Chemistry, 2007, 77, 997-1001.	0.8	3
65	Thermochemical study of gaseous salts of oxygen-containing acids: XXI. Polymers of lithium, potassium, and cesium phosphates. Russian Journal of General Chemistry, 2007, 77, 1487-1493.	0.8	2
66	Thermodynamic properties of gaseous salts formed by Nickel(II) oxide. Doklady Physical Chemistry, 2006, 406, 27-29.	0.9	2
67	Thermodynamic properties of gaseous barium silicates. Doklady Physical Chemistry, 2006, 407, 85-87.	0.9	4
68	Thermodynamic properties of gaseous strontium silicates. Doklady Physical Chemistry, 2006, 411, 315-316.	0.9	3
69	Thermodynamic properties of the gaseous barium silicates BaSiO2 and BaSiO3. Journal of Chemical Thermodynamics, 2006, 38, 1706-1710.	2.0	11
70	Thermochemical study of gaseous salts of oxygen-containing acids: XIX. Nickel(II) salts. Russian Journal of General Chemistry, 2006, 76, 340-345.	0.8	2
71	Thermochemical study of gaseous salts of oxygen-containing acids: XX. Phosphates of beryllium and beryllates of alkaline-earth metals. Russian Journal of General Chemistry, 2006, 76, 871-874.	0.8	3
72	Thermodynamic properties of silicate glasses and melts: I. System BaO-SiO2. Russian Journal of General Chemistry, 2006, 76, 1522-1530.	0.8	14

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73	Thermodynamic properties of silicate glasses and melts: II. System SrO-SiO2. Russian Journal of General Chemistry, 2006, 76, 1878-1884.	0.8	10
74	Vaporization and thermodynamic properties of the PbO-V2O5 system. Russian Journal of Inorganic Chemistry, 2006, 51, 1646-1652.	1.3	20
75	The thermodynamic properties of gaseous salts formed by some 3d metal oxides. Russian Journal of Physical Chemistry A, 2006, 80, 1749-1753.	0.6	2
76	Thermodynamics of gaseous cobaltates CaCoO2, SrCoO2 and BaCoO2. Journal of Chemical Thermodynamics, 2005, 37, 715-719.	2.0	11
77	Thermodynamic properties of gaseous salts formed by cobalt(II) oxide. Doklady Physical Chemistry, 2005, 401, 41-43.	0.9	0
78	Gaseous Associates over Oxide Materials. Inorganic Materials, 2005, 41, 1340-1344.	0.8	8
79	Thermochemical Study of Gaseous Salts of Oxygen-Containing Acids: XVII. Magnesium Salts. Russian Journal of General Chemistry, 2005, 75, 999-1004.	0.8	3
80	Thermochemical Study of Gaseous Salts of Oxygen-containing Acids: XVIII. Cobalt(II) Salts. Russian Journal of General Chemistry, 2005, 75, 1186-1192.	0.8	4
81	THERMODYNAMIC STUDY OF GASEOUS MANGANESE PHOSPHATES MnPO3 and MnPO2. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 2091-2098.	1.6	12
82	Gaseous Manganese Molybdates and Tungstates. Doklady Physical Chemistry, 2004, 395, 80-83.	0.9	2
83	Thermodynamic Properties of Gaseous Strontium and Barium Ferrates. Doklady Physical Chemistry, 2004, 397, 158-160.	0.9	2
84	Thermodynamic Properties of Gaseous Iron(II) Salts. Doklady Physical Chemistry, 2004, 398, 208-210.	0.9	1
85	Thermodynamic study of some chromium-containing gaseous molecules by high-temperature mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 112-116.	1.5	17
86	Title is missing!. Russian Journal of General Chemistry, 2003, 73, 169-175.	0.8	13
87	Thermochemical Study of Gaseous Salts of Oxygen-containing Acids: XIV. Barium and Chromium Phosphates. Russian Journal of General Chemistry, 2003, 73, 1866-1869.	0.8	6
88	Thermodynamics of Gaseous Barium Chromates. Doklady Physical Chemistry, 2002, 386, 255-256.	0.9	2
89	Thermochemical Study of Salts of Oxygen-containing Acids in the Gas Phase: VI. Barium Metaborates. Russian Journal of General Chemistry, 2001, 71, 61-66.	0.8	6
90	Title is missing!. Russian Journal of General Chemistry, 2001, 71, 1342-1346.	0.8	7