Gennady G Mikhailov

List of Publications by Year
in descending order

55	184	1478505 6	1281871 11
papers	citations	h-index	g-index

55	55	55	149
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ti-Substituted BaFe12O19 Single Crystal Growth and Characterization. Crystal Growth and Design, 2014, 14, 5834-5839.	3.0	38
2	Study and Thermodynamic Analysis of the ZrO2-SiO2 System. Russian Journal of Applied Chemistry, 2005, 78, 200-203.	0.5	19
3	Methods for Improving the Efficiency of Steel Modifying. Materials Science Forum, 0, 946, 215-222.	0.3	11
4	Behavior of the Al2O3-ZrO2 System at High Temperatures. Russian Journal of Applied Chemistry, 2005, 78, 347-350.	0.5	10
5	Thermodynamic analysis of steel deoxidation with calcium and aluminum. Russian Metallurgy (Metally), 2008, 2008, 727-729.	0.5	9
6	Heat conductivity of chromium-doped alexandrite single crystals. Doklady Physics, 2009, 54, 449-450.	0.7	6
7	Thermodynamic modeling of the reaction of lanthanum with components of iron-based melts. Steel in Translation, 2015, 45, 913-918.	0.3	6
8	Thermodynamic Modeling of Isotherms of Oxygen Solubility in Liquid Metal of the Feâ€“Mgâ€“Alâ€“O System. Steel in Translation, 2019, 49, 522-527.	0.3	6
9	Thermodynamic analysis of deoxidizing ability of strontium in liquid iron: phase stability diagram IN Fe-Sr-O and Fe-Mg-Sr-O systems. Ferrous Metallurgy Bulletin of Scientific Technical and Economic Information, 2019, 75, 1366-1372.	0.2	6
10	Reduction of iron oxides in a humid atmosphere. Steel in Translation, 2012, 42, 103-106.	0.3	5
11	Thermodynamic analysis of the Cu-Si-Ni-O system. Russian Journal of Non-Ferrous Metals, 2012, 53, 223-228.	0.6	4
12	Reduction of iron oxides by wet gas in the presence of carbon. Steel in Translation, 2013, 43, 161-167.	0.3	4
13	System analysis of the reduction of iron oxides. Russian Metallurgy (Metally), 2014, 2014, 179-184.	0.5	4
14	Thermodynamic Modeling of the Processes of Interaction of Calcium, Magnesium, Aluminum and Boron with Oxygen in Metallic Melts. Materials Science Forum, 0, 946, 162-168.	0.3	4
15	Thermodynamic Analysis of the Deoxidation Ability of Alkaline-Earth Metals in the Presence of Aluminum. Russian Metallurgy (Metally), 2022, 2022, 575-582.	0.5	4
16	Factors affecting the clogging of submerged nozzles during continuous casting of steel. Russian Metallurgy (Metally), 2008, 2008, 698-699.	0.5	3
17	Composite metal-carbon materials with gold and silver nanoparticles. Inorganic Materials: Applied Research, 2011, 2, 524-527.	0.5	3
18	Sorption properties of silicate materials based on Ca2SiO4. Radiochemistry, 2011, 53, 498-503.	0.7	3

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19	Distribution of dopant metals between PbTiO3 crystals and PbO-B2O3 flux. Russian Journal of General Chemistry, 2014, 84, 1888-1892.	0.8	3
20	Structure and adsorption properties of microporous glassy-carbon materials. Russian Journal of Physical Chemistry A, 2015, 89, 840-845.	0.6	3
21	Thermodynamic simulation and an experimental study of the possibility of synthesizing hardened Cuâ€“Zrâ€“O alloys. Russian Metallurgy (Metally), 2016, 2016, 864-868.	0.5	3
22	Phase Equilibria in a Liquid Metal of Fe-La-Ce-O System at 1600 Â°Đ¡. Solid State Phenomena, 2020, 299, 468-474.	0.3	3
23	Insights into Sorptionâ€“Mineralization Mechanism for Sustainable Granular Composite of MgO-CaO-Al2O3-SiO2-CO2 Based on Nanosized Adsorption Centers and Its Effect on Aqueous Cu(II) Removal. Nanomaterials, 2022, 12, 116.	4.1	3
24	Phase equilibria in crystallizing melts of the Fe-Ti-Al-Si-Cr-Mn-C-N-O system. Russian Journal of Physical Chemistry A, 2006, 80, 1860-1863.	0.6	2
25	Kiropoulos process for alexandrite single crystal growth with resistive heating. Doklady Physical Chemistry, 2008, 420, 128-129.	0.9	2
26	Synthesis of nanosized titanium dioxide from tetrabutoxytitanium. Russian Journal of Inorganic Chemistry, 2010, 55, 1850-1856.	1.3	2
27	Thermodynamic modeling of the interaction of high-level element and oxygen in iron-based melt. Steel in Translation, 2015, 45, 872-882.	0.3	2
28	Phase Equilibria in Liquid Metal of the Cuâ€“Alâ€“Crâ€“O System. Russian Journal of Non-Ferrous Metals, 2017, 58, 579-585.	0.6	2
29	Phase equilibrium occurring during low-carbon iron-based melt deoxidation with silicostrontium. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 413-419.	0.3	2
30	Thermodynamic characteristics of the interaction of oxygen with metal melts of Fe-V-Me-Si-O-C (Me =) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	1
31	Thermodynamic modelling of phase equilibria in melts of Fe-Ca-Al-Si-Mn-V-Nb-Ni-Mo-P-C-O system. Journal of Physics: Conference Series, 2008, 98, 032014.	0.4	1
32	High-temperature crystal-growth system. Steel in Translation, 2009, 39, 122-124.	0.3	1
33	Surface morphology of flux-grown graphite single crystals. Doklady Physical Chemistry, 2011, 441, 230-232.	0.9	1
34	Phase equilibria in Cu-As(Sb,Bi)-O systems under conditions of the existence of a copper-based alloy. Russian Journal of Non-Ferrous Metals, 2011, 52, 129-134.	0.6	1
35	Thermodynamics of steel modification by barium and cesium alloys. Steel in Translation, 2014, 44, 428-432.	0.3	1
36	Analysis of the Feâ€“Ceâ€“Oâ€“Câ€“M phase diagrams (M = Ca, Mg, Al, Si) by constructing a component-solubility surface. Russian Metallurgy (Metally), 2016, 2016, 522-529.	0.5	1

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37	Thermodynamic description of the interaction processes in the Cuâ€“Ceâ€“O system in the temperature range 1100â€“1300Â°C. Russian Metallurgy (Metally), 2017, 2017, 209-215.	0.5	1
38	Investigation of Physical and Chemical Processes of Formation of Composite Materials with Specified Structural Phase Characteristics. Materials Science Forum, 0, 946, 192-198.	0.3	1
39	Thermodynamic Modeling of Phase Equilibria in the FeO-Al₂O₃-Cr₂O₃ and MgO-Al₂O₃-Cr₂O₃ Systems. Materials Science Forum, 2020, 989, 204-209.	0.3	1
40	One-Pot Synthesis of Anatase/Carbon Nanocomposite. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 221-222.	0.5	1
41	Thermodynamic analysis of strontium deoxidizing ability in liquid iron at presence of aluminum. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 768-777.	0.3	1
42	A three-crucible version of thermal analysis. Instruments and Experimental Techniques, 2000, 43, 713-721.	0.5	0
43	Aspects of a technology for obtaining semifinished products of low-carbon steel on a continuous section caster. Metallurgist, 2007, 51, 377-383.	0.6	0
44	Thermodynamic analysis of interaction processes in the Pb-Ag-Zn system. Russian Journal of Non-Ferrous Metals, 2008, 49, 219-224.	0.6	0
45	Solid-phase reduction of Rai-Iz chromium ores by heating with carbon. Steel in Translation, 2009, 39, 248-250.	0.3	0
46	Behavior of the central bath region when smelting Carbon ferrochrome in a ferroalloy furnace. Steel in Translation, 2009, 39, 336-340.	0.3	0
47	Transformations in chromium ores during oxidizing heating. Russian Metallurgy (Metally), 2009, 2009, 628-630.	0.5	0
48	Thermodynamic analysis of the formation of nonmetallic inclusions in 40KhGM steel with various sulfur contents. Russian Metallurgy (Metally), 2009, 2009, 642-643.	0.5	0
49	Polycondensation kinetics of furfuryl alcohol solutions. Russian Journal of Physical Chemistry A, 2016, 90, 48-53.	0.6	0
50	Effect of Thermochemical Treatment on the Structure and Mechanical Properties of Materials Based on Aluminum Oxide. Solid State Phenomena, 0, 284, 30-36.	0.3	0
51	Thermodynamics of the Interactions in Feâ€“Mgâ€“Alâ€“Laâ€“O Melts. Steel in Translation, 2018, 48, 357-361.	0.3	0
52	Comparison of the Reducibilities of Hydrogen and Carbon Monoxide for Iron Oxides. Russian Metallurgy (Metally), 2019, 2019, 698-709.	0.5	0
53	Thermodynamic Analysis of Liquid Steel Refining by Complex Laâ€“Ceâ€“Al-Based Alloy. Steel in Translation, 2020, 50, 234-242.	0.3	0
54	THERMODYNAMICS OF THE PROCESSES OF INTERACTION OF LIQUID METAL COMPONENTS IN Fe â€“ Mg â€“ Al â€“ La â€“ O SYSTEM. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2018, 61, 460-465.	0.3	0

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55	Thermodynamic Analysis of the Deoxidizing Ability of Strontium in Liquid Iron in the Presence of Aluminum. Steel in Translation, 2021, 51, 710-717.	0.3	0