

Konstantin V Chudnenko

List of Publications by Year in descending order

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59
docs citations

59
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic Properties of Components in the Ag–Au–Pd System. Russian Journal of Inorganic Chemistry, 2020, 65, 94-99.	0.3	3
2	MODELING THE FORMATION OF FLUORIDE NITROGEN-RICH HOT SPRINGS IN THE WATER – CRYSTALLINE ROCK SYSTEM. Geodinamika I Tektonofizika, 2020, 11, 378-396.	0.3	3
3	Modeling: The New Prospects of Studying Biological Systems as Illustrated by the Human Stomach. Lecture Notes in Earth System Sciences, 2020, , 863-877.	0.5	1
4	Formation of Au-Bearing Antigorite Serpentinites and Magnetite Ores at the Massif of Ophiolite Ultramafic Rocks: Thermodynamic Modeling. Minerals (Basel, Switzerland), 2019, 9, 758.	0.8	3
5	The Equilibrium of Clay Minerals with Aqueous Solutions in Soils. Russian Geology and Geophysics, 2019, 60, 532-541.	0.3	0
6	Dynamics of Metasomatic Transformation of the Rocks of the Lithospheric Mantle and Earth's Crust in Deep-Fault Zones Controlling the Siberian Platform Trap Magmatism. Russian Geology and Geophysics, 2019, 60, 833-844.	0.3	1
7	Physicochemical model for the genesis of Cu-Ag-Au-Hg solid solutions and intermetallics in the rodingites of the Zolotaya Gora gold deposit (Urals, Russia). Ore Geology Reviews, 2018, 93, 81-97.	1.1	14
8	Influence of Climate Changes in the Late Pleistocene–Holocene on Composition of Bottom Sediments of the Selenga–Buguldeika Saddle, Lake Baikal. Stratigraphy and Geological Correlation, 2018, 26, 344-353.	0.2	0
9	Physicochemical Model of Formation of Gold-Bearing Magnetite-Chlorite-Carbonate Rocks at the Karabash Ultramafic Massif (Southern Urals, Russia). Minerals (Basel, Switzerland), 2018, 8, 306.	0.8	6
10	Spinel–Sapphirine Reaction Structures in the Garnet Metaultramafic Rocks of the Omolon Massif: Petrogenesis and Geological Interpretation (Northeast Asia). Russian Journal of Pacific Geology, 2018, 12, 174-189.	0.1	2
11	GEOLOGICAL FACTORS AND PHYSICO-CHEMICAL PROCESSES OF GROUNDWATER FORMATION IN THE TUNKA DEPRESSION. Geodinamika I Tektonofizika, 2018, 9, 221-248.	0.3	5
12	Simulation of nonisothermal metasomatism of peridotite from mantle wedge beneath the Avacha group of volcanoes (Kamchatka). Russian Geology and Geophysics, 2017, 58, 551-570.	0.3	5
13	Physicochemical models of formation of gold–silver mineralization at the Rogovik deposit (Northeastern Russia). Ore Geology Reviews, 2017, 91, 1-20.	1.1	10
14	Modeling and reduction of fluorine-containing losses in aluminum production. Theoretical Foundations of Chemical Engineering, 2017, 51, 587-593.	0.2	1
15	Progress on the Use of an Information-Technology-Based Method in Low-Waste Technologies for Aluminum Production. Metallurgist, 2016, 60, 358-367.	0.2	0
16	The unified method for computing thermodynamic properties of natural zeolites based on their crystallochemical formulas. Russian Journal of Inorganic Chemistry, 2016, 61, 1003-1012.	0.3	6
17	Possible physicochemical facies of wehrlitization of ultramafic rocks in the mantle wedge under volcanoes of the Kuril–Kamchatka frontal zone. Doklady Earth Sciences, 2016, 467, 360-363.	0.2	0
18	Thermodynamic modeling of native formation of Au–Ag–Cu–Hg solid solutions. Applied Geochemistry, 2016, 66, 88-100.	1.4	18

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19	Models of solid solutions for calculation of the mineral composition of Lake Baikal bottom sediments: A new approach to paleoclimatic reconstructions. Doklady Earth Sciences, 2015, 461, 364-367.	0.2	2
20	Thermodynamic model of greenhouse gas emission in the atmosphere and climate change. Atmospheric and Oceanic Optics, 2015, 28, 56-63.	0.6	0
21	Hydrogeochemical processes of wastewater leakage purification from a thermal power plant. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 719-727.	0.9	2
22	The physicochemical dynamics of carbonatization of the rocks of lithospheric mantle beneath the Siberian Platform. Russian Geology and Geophysics, 2015, 56, 696-708.	0.3	3
23	A study of acidic aluminum-containing solutions through modeling physicochemical equilibria by the thermodynamic potential minimization method. Russian Journal of Inorganic Chemistry, 2015, 60, 1427-1431.	0.3	4
24	Analysis of parageneses of metapelite gneisses of the Okhotsk granulite complex by minimization of Gibbs thermodynamic potential. Russian Geology and Geophysics, 2015, 56, 1133-1147.	0.3	0
25	Calculation of the standard thermodynamic potentials of aluminum sulfates and basic aluminum sulfates. Russian Journal of Inorganic Chemistry, 2015, 60, 950-957.	0.3	4
26	Physicochemical modeling of formation of Ag-Au-Hg solid solutions: Kyuchyus deposit (Yakutia). Russian Journal of Inorganic Chemistry, 2014, 59, 147-151.	1.4	12
27	Physicochemical factors responsible for the low quality of natural waters of the Khibiny Massif. Doklady Chemistry, 2014, 458, 177-180.	0.2	1
28	Thermodynamic properties of solid solutions in the Ag-Au-Cu system. Russian Geology and Geophysics, 2014, 55, 349-360.	0.3	19
29	Thermodynamic properties of solid solutions in the system Ag ₂ S-Ag ₂ Se. Thermochimica Acta, 2014, 575, 90-96.	1.2	25
30	Genesis of garnet-bearing rocks at the Berezitovoe deposit, Upper Amur Region, Russia. Geology of Ore Deposits, 2014, 56, 15-34.	0.2	4
31	GEM-Selektor geochemical modeling package: revised algorithm and GEMS3K numerical kernel for coupled simulation codes. Computational Geosciences, 2013, 17, 1.	1.2	148
32	Thermodynamic model of the carbon emission in the atmosphere and climate change. Atmospheric and Oceanic Optics, 2013, 26, 50-56.	0.6	1
33	Thermodynamic properties of Au-Hg binary solid solution. Thermochimica Acta, 2013, 566, 175-180.	1.2	14
34	Specifics of representation of thermodynamic functions in the method of thermodynamic potential minimization. Russian Journal of Inorganic Chemistry, 2013, 58, 824-829.	0.3	10
35	Thermodynamic properties of Ag-Au-Hg solid solutions. Thermochimica Acta, 2013, 572, 65-70.	1.2	11
36	Methods for Calculating the Critical Constants of Hydrocarbons (Using the n-Alkane Series as an Example). Russian Journal of Inorganic Chemistry, 2013, 58, 180-184.	1.0	9

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37	Extrapolation of thermodynamic functions in calculation of phase equilibria by the Gibbs energy minimization method. Russian Journal of Inorganic Chemistry, 2013, 58, 1197-1202.	0.3	14
38	Method of approximation of dependence of isobaric heat capacity on temperature. Russian Journal of Inorganic Chemistry, 2013, 58, 1511-1517.	0.3	8
39	Formation of nitrogen-rich hot springs: Modeling physicochemical interactions in a water-granite system. Geochemistry International, 2013, 51, 981-993.	0.2	7
40	Estimation of the heat capacity of individual substances on the basis of experimental enthalpy increments. Russian Journal of Inorganic Chemistry, 2013, 58, 1079-1084.	0.3	4
41	Details of oil-water interaction in sea and fresh waters. Doklady Chemistry, 2013, 449, 114-117.	0.2	0
42	Monitoring and physical-chemical modeling of conditions of natural surface and underground waters forming in the Kola North. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 657-668.	0.9	7
43	Physicochemical crystallization conditions of Al-F sphene in metasomatic rocks with ore mineralization at the Berezitovoe Deposit. Geochemistry International, 2012, 50, 409-424.	0.2	2
44	Physicochemical interaction in the system Si-Al-Ti-Ca-Mg-Fe-Na-K-O with the consideration of the formation of solid solutions. Russian Journal of Inorganic Chemistry, 2012, 57, 854-857.	0.3	18
45	Aluminum-fluorine sphene (Titanite) as an indicator of fluorine fluid. Doklady Earth Sciences, 2012, 442, 126-129.	0.2	2
46	Physicochemical simulation of the evolution of small lakes in a cold climate. Geochemistry International, 2011, 49, 827-837.	0.2	5
47	Dynamics of changes in the physical characteristics of a hydrothermally altered geological section according to nonisothermal physicochemical simulation (the Mutnovsky Volcano). Izvestiya, Physics of the Solid Earth, 2011, 47, 519-530.	0.2	0
48	A new model of thermal and physicochemical dynamics for volcanogenic epithermal deposits (Asacha) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	6
49	The physicochemical dynamics of evolution of fluid above asthenosphere systems beneath the Siberian Platform. Russian Geology and Geophysics, 2010, 51, 1037-1058.	0.3	6
50	Metasomatic zoning of subcratonic lithosphere in Siberia: physicochemical modeling. Russian Geology and Geophysics, 2009, 50, 1107-1118.	0.3	5
51	Water-carbon interaction under the conditions of complete and metastable thermodynamic equilibrium. Water Resources, 2008, 35, 435-445.	0.3	1
52	Oxidation potential and the composition of metamorphic fluid as a solution to the inverse problem of convex programming. Geochemistry International, 2007, 45, 490-500.	0.2	2
53	Experience of modeling the garnet + orthopyroxene + spinel + plagioclase reaction by the method of thermodynamic potential minimization. Doklady Earth Sciences, 2007, 415, 773-776.	0.2	5
54	Estimation of formation conditions of mineral megasystems from thermodynamic modeling. Doklady Earth Sciences, 2007, 416, 1132-1136.	0.2	2

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55	Carbon disproportionation and fractionation in the carbon-water-gas system. <i>Geochemistry International</i> , 2006, 44, 736-739.	0.2	2
56	Physicochemical modeling of precipitating and dissolving of gypsum in chloride solutions. <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 823-828.	0.3	4
57	The convex programming minimization of five thermodynamic potentials other than Gibbs energy in geochemical modeling. <i>Numerische Mathematik</i> , 2002, 302, 281-311.	0.7	45