

Yulia Bozhko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5150233/publications.pdf>

Version: 2024-02-01

36
papers

334
citations

933447

10
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

193
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen hydrates: Equation of state and self-preservation effect. <i>Fluid Phase Equilibria</i> , 2016, 413, 220-228.	2.5	39
2	Ozone storage capacity in clathrate hydrates formed by O ₃ + O ₂ + N ₂ + CO ₂ gas mixtures. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12637-12641.	2.8	37
3	Theoretical modeling of the thermodynamic properties and the phase diagram of binary gas hydrates of argon and hydrogen. <i>Fluid Phase Equilibria</i> , 2017, 434, 87-92.	2.5	34
4	Influence of N ₂ on Formation Conditions and Guest Distribution of Mixed CO ₂ + CH ₄ Gas Hydrates. <i>Molecules</i> , 2018, 23, 3336.	3.8	34
5	Stability and Composition of Helium Hydrates Based on Ices I _h and II at Low Temperatures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2587-2593.	3.1	27
6	Theoretical modeling of the gas hydrates of nitrous oxide and methane mixtures. <i>Mendeleev Communications</i> , 2017, 27, 397-398.	1.6	24
7	Role of Methane as a Second Guest Component in Thermodynamic Stability and Isomer Selectivity of Butane Clathrate Hydrates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18474-18481.	3.1	17
8	Clathrate hydrates for energy storage and transportation. <i>Journal of Physics: Conference Series</i> , 2018, 1128, 012031.	0.4	14
9	Self-preservation effect modelling in hydrate systems using Lattice Dynamic methods. <i>Journal of Physics: Conference Series</i> , 2018, 1128, 012086.	0.4	14
10	The nano-structural inhomogeneity of dynamic hydrogen bond network of TIP4P/2005 water. <i>Scientific Reports</i> , 2020, 10, 7323.	3.3	13
11	Phase diagram and composition of water based crystalline phases in hydrogen “Water binary system. <i>Solid State Communications</i> , 2019, 294, 6-10.	1.9	10
12	Transformation of hydrogen bond network during CO ₂ clathrate hydrate dissociation. <i>Applied Surface Science</i> , 2020, 499, 143644.	6.1	10
13	Lattice Dynamics Study of the Thermal Expansion of C ₃ H ₈ , CH ₄ , CF ₄ , CO ₂ , Xe-, and N ₂ -Hydrates. <i>Energy & Fuels</i> , 2020, 34, 12771-12778.	5.1	10
14	Thermodynamic Description of Crystalline Water Phases Containing Hydrogen. <i>JETP Letters</i> , 2018, 108, 806-809.	1.4	9
15	Theoretical investigation of structures and compositions of double neon-methane clathrate hydrates, depending on gas phase composition and pressure. <i>Journal of Engineering Thermophysics</i> , 2014, 23, 9-19.	1.4	8
16	Intramolecular 1,3-Dipolar Cycloaddition of Alkenylnitrones of the 4H-Imidazole Series: Synthesis of a New Nitroxide pH-Sensitive Spin Probe. <i>Synthesis</i> , 2010, 2010, 343-348.	2.3	7
17	Theoretical investigation of structures, compositions, and phase transitions of neon hydrates based on ices I _h and II. <i>Journal of Engineering Thermophysics</i> , 2014, 23, 20-26.	1.4	5
18	Origin of the anomaly in the behavior of the viscosity of water near 0°C. <i>JETP Letters</i> , 2015, 102, 732-736.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Modeling the polymorphic transformations in amorphous solid ice. Journal of Alloys and Compounds, 2017, 707, 108-113.	5.5	5
20	New Phases of Ice: Simulation of Dynamic and Thermodynamic Properties of Empty Cubic, Hexagonal, Rhombic, and Tetragonal Clathrate Structures. Journal of Physical Chemistry C, 2021, 125, 15659-15663.	3.1	4
21	Modeling of thermodynamic conditions for the recovery of high-purity helium from gas mixtures by the hydrate formation method. Doklady Physical Chemistry, 2012, 445, 119-122.	0.9	2
22	Modelling thermodynamic properties of mixed ozone and argon hydrates using quantum chemistry methods. Journal of Physics: Conference Series, 2018, 1128, 012084.	0.4	2
23	Theoretical investigation of thermodynamic properties of tetrabutylammonium bromide ionic clathrate hydrate. Journal of Physics: Conference Series, 2019, 1359, 012053.	0.4	2
24	Thermodynamic properties of methane and propane hydrates doped by potassium hydroxide. Journal of Physics: Conference Series, 2020, 1675, 012048.	0.4	2
25	Dissociation of double hydrate and methane hydrate. AIP Conference Proceedings, 2019, , .	0.4	0
26	Features of nonstationary combustion of double hydrate (methane - n-propanol) in air atmosphere. AIP Conference Proceedings, 2019, , .	0.4	0
27	Theoretical study of stability zones of mixed $H_2 + CO_2$ gas hydrates CS-I and CS-II. Journal of Physics: Conference Series, 2019, 1359, 012047.	0.4	0
28	Theoretical investigation of nitrogen gas hydrates outside of stability zone. Journal of Physics: Conference Series, 2019, 1359, 012049.	0.4	0
29	Simulation of structure and thermodynamic properties of the double of ozone and carbon dioxide hydrates using molecular and lattice dynamics methods. Journal of Physics: Conference Series, 2019, 1359, 012055.	0.4	0
30	Stability of $O_3 + N_2$, $O_3 + O_2$ and $O_3 + CO_2$ double hydrates: DFT study. Mendeleev Communications, 2019, 29, 705-706.	1.6	0
31	Thermodynamic properties of methane hydrates doped with sodium hydroxide. Journal of Physics: Conference Series, 2021, 2057, 012075.	0.4	0
32	Theoretical study of the self-preservation effect in CF_4 gas hydrates. Journal of Physics: Conference Series, 2020, 1675, 012050.	0.4	0
33	Thermal expansion of ice based gas hydrates. Journal of Physics: Conference Series, 2020, 1675, 012045.	0.4	0
34	Effect of the THF molecules on the hydrate cavities formation with adding NaCl molecules into the modeling system. Journal of Physics: Conference Series, 2021, 2057, 012077.	0.4	0
35	Theoretical investigation of methane hydrate nucleation kinetic from seawater + gas and sea water + gas mixtures. Journal of Physics: Conference Series, 2021, 2057, 012051.	0.4	0
36	Thermodynamic properties of propane and methane hydrates doped with sodium hydroxide. Journal of Physics: Conference Series, 2021, 2057, 012075.	0.4	0