

Tatiana P Adamova

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

210
citations

1163117

8
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical study of phase transitions in Kr and Ar clathrate hydrates from structure II to structure I under pressure. <i>Journal of Chemical Physics</i> , 2009, 131, 114507.	3.0	43
2	Synergistic effect of combination of surfactant and oxide powder on enhancement of gas hydrates nucleation. <i>Journal of Energy Chemistry</i> , 2017, 26, 808-814.	12.9	26
3	Visual Studies of Methane Hydrate Formation on the Water–Oil Boundaries. <i>Crystal Growth and Design</i> , 2018, 18, 6713-6722.	3.0	22
4	Methane hydrate nucleation on water–methane and water–decane boundaries. <i>Thermochimica Acta</i> , 2018, 668, 178-184.	2.7	16
5	Modeling of phase transition in binary gas hydrates of methane and ethane in dependence on composition of gas phase. <i>Computational Materials Science</i> , 2010, 49, S317-S321.	3.0	12
6	Impact of biodegradation of oil on the kinetics of gas hydrate formation and decomposition. <i>Journal of Petroleum Science and Engineering</i> , 2020, 192, 107211.	4.2	12
7	Insight into Hydrate Film Growth: Unusual Growth of Methane Hydrate Film at the Interface of Methane and the Aqueous Solution of Malonic Acid. <i>Crystal Growth and Design</i> , 2020, 20, 1927-1934.	3.0	10
8	Humic Acids as a New Type of Methane Hydrate Formation Promoter and a Possible Mechanism for the Hydrate Growth Enhancement. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 521-529.	6.7	10
9	Experimental study of methane hydrate formation in aqueous foam stabilized by surfactants. <i>International Journal of Heat and Mass Transfer</i> , 2021, 180, 121775.	4.8	9
10	Modeling the properties of methane + ethane (Propane) binary hydrates, depending on the composition of gas phase state in equilibrium with hydrate. <i>Journal of Engineering Thermophysics</i> , 2010, 19, 282-288.	1.4	8
11	Laser-induced boiling of subcooled liquid: influence of the radiation power on the vapor bubble nucleation and growth. <i>International Journal of Heat and Mass Transfer</i> , 2022, 184, 122298.	4.8	8
12	Theoretical investigation of ozone hydrate formation conditions. <i>Journal of Structural Chemistry</i> , 2012, 53, 627-633.	1.0	7
13	Discrepancy between thermodynamic and kinetic stabilities of the <i>tert</i> -butanol hydrates and its implication for obtaining pharmaceutical powders by freeze-drying. <i>Chemical Communications</i> , 2019, 55, 4262-4265.	4.1	7
14	Laboratory Reactor for Visual Examination of Formation/Decomposition of Gas Hydrates in Water-Oil Systems. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 607-613.	0.5	6
15	An atomistic level description of guest molecule effect on the formation of hydrate crystal nuclei by ab initio calculations. <i>Journal of Structural Chemistry</i> , 2012, 53, 619-626.	1.0	4
16	Theoretical investigation of the possibility of using multicomponent (N ₂ -O ₂ -CH ₄ -Y ₂ O) clathrate hydrates for methane recovery from mine gas. <i>Journal of Engineering Thermophysics</i> , 2013, 22, 62-68.	1.4	4
17	Unusual examples of methane hydrate nucleation in bilayer water–oil systems. <i>Mendeleev Communications</i> , 2018, 28, 663-665.	1.6	3
18	STRUCTURE, MORPHOLOGY, AND COMPOSITION OF NATURAL GAS HYDRATES SAMPLED IN THE KEDR-1 MUD VOLCANO (LAKE BAIKAL). <i>Journal of Structural Chemistry</i> , 2021, 62, 889-896.	1.0	1

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19	Clathrate Hydrates of Organic Solvents as Auxiliary Intermediates in Pharmaceutical Research and Development: Improving Dissolution Behaviour of a New Anti-Tuberculosis Drug, Perchlozon. <i>Pharmaceutics</i> , 2022, 14, 495.	4.5	1
20	The Effect of Secondary Boiling on the Dynamics of a Jet Formed during Vapor-Bubble Collapse Induced by Laser Heating of a Liquid. <i>Doklady Physics</i> , 2021, 66, 325-328.	0.7	1
21	Sociocultural competence-oriented curriculum for engineering education in Russia. <i>SHS Web of Conferences</i> , 2016, 28, 01040.	0.2	0
22	Formation of Gas Hydrate “ Oil Associates in the Aqueous Phase During the Grow of Gas Hydrate Crystals in Water “ Oil “ Methane System. <i>Chemistry for Sustainable Development</i> , 2018, , .	0.1	0