Tatiana Kuznetsova

List of Publications by Year
in descending order

30	499	623734 14	677142 22
papers	citations	h-index	g-index

30	30	30	465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methanol as a hydrate inhibitor and hydrate activator. Physical Chemistry Chemical Physics, 2018, 20, 21968-21987.	2.8	45
2	ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. Molecular and Cellular Biology, 2016, 36, 2208-2225.	2.3	43
3	Can hydrate form in carbon dioxide from dissolved water?. Physical Chemistry Chemical Physics, 2013, 15, 2063-2074.	2.8	40
4	Impact of water film thickness on kinetic rate of mixed hydrate formation during injection of <scp>CO</scp>₂ into <scp>CH</scp>₄ hydrate. AICHE Journal, 2015, 61, 3944-3957.	3.6	33
5	Hydrate Formation during Transport of Natural Gas Containing Water and Impurities. Journal of Chemical & Engineering Data, 2016, 61, 936-949.	1.9	30
6	Hydrate Production Philosophy and Thermodynamic Calculations. Energies, 2020, 13, 672.	3.1	29
7	Molecular dynamics study of calcite, hydrate and the temperature effect on CO₂transport and adsorption stability in geological formations. Molecular Physics, 2012, 110, 1097-1106.	1.7	27
8	Adsorption Properties of Triethylene Glycol on a Hydrated {101Ì…4} Calcite Surface and Its Effect on Adsorbed Water. Langmuir, 2015, 31, 8606-8617.	3.5	23
9	Impact of Lowâ€Dosage Inhibitors on Clathrate Hydrate Stability. Macromolecular Symposia, 2010, 287, 168-176.	0.7	22
10	Consequences of CO₂ solubility for hydrate formation from carbon dioxide containing water and other impurities. Physical Chemistry Chemical Physics, 2014, 16, 8623-8638.	2.8	22
11	Modulation of network activity and induction of homeostatic synaptic plasticity by enzymatic removal of heparan sulfates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20140134.	4.0	19
12	Hydrogen bond lifetimes and statistics of aqueous monoâ€, diâ€•and triâ€ethylene glycol. AICHE Journal, 2017, 63, 1674-1689.	3.6	17
13	Maximum tolerance for water content at various stages of a natuna production. Heat and Mass Transfer, 2019, 55, 1059-1079.	2.1	16
14	Molecular dynamics study of surfactant-modified waterâ€“carbon dioxide systems. Molecular Simulation, 2018, 44, 128-136.	2.0	15
15	Effects of Sodium Chloride on Acidic Nanoscale Pores Between Steel and Cement. Journal of Physical Chemistry C, 2016, 120, 29264-29271.	3.1	13
16	Molecular dynamics study of morpholines at water â€“ Carbon dioxide interfaces. Fluid Phase Equilibria, 2019, 485, 44-60.	2.5	13
17	Why Should We Use Residual Thermodynamics for Calculation of Hydrate Phase Transitions?. Energies, 2020, 13, 4135.	3.1	13
18	Imitating possible consequences of drilling through marine hydrate reservoir. Energy, 2022, 239, 121802.	8.8	13

#	Article	IF	Citations
19	Molecular dynamics simulations of methane hydrate pre-nucleation phenomena and the effect of PVCap kinetic inhibitor. AIP Conference Proceedings, 2012, , .	0.4	12
20	Temporal shift and predictive performance of machine learning for heart transplant outcomes. Journal of Heart and Lung Transplantation, 2022, 41, 928-936.	0.6	12
21	Using a Reactive Transport Simulator to Simulate CH4 Production from Bear Island Basin in the Barents Sea Utilizing the Depressurization Methodâ€. Energies, 2017, 10, 187.	3.1	8
22	Cardiac activity in the Mediterranean mussel (Mytilus galloprovincialis Lamarck, 1819) as a biomarker for assessing sea water quality in Boka Kotorska Bay, South Adriatic Sea. Mediterranean Marine Science, 2019, 20, 680.	1.6	8
23	Investigations of the Chemical Potentials of Dissolved Water and H‹sub›2‹/sub›S in CO‹sub›2‹/sub› Streams Using Molecular Dynamics Simulations and the Gibbsâ€“Duhem Relation. Journal of Chemical & Engineering Data, 2015, 60, 2906-2914.	1.9	7
24	An alternative for carbon dioxide emission mitigation: In situ methane hydrate conversion. AIP Conference Proceedings, 2012, , .	0.4	4
25	The State of the Problem of Achieving Extremely Low LDL Levels. Current Pharmaceutical Design, 2021, 27, 3841-3857.	1.9	4
26	Molecular dynamics study of N-formyl morpholine surfactant in CO2/H2O/oil interfacial system. AIP Conference Proceedings, 2017, , .	0.4	3
27	Modeling Heat Transport in Systems of Hydrate-Filled Sediments Using Residual Thermodynamics and Classical Nucleation Theory. Applied Sciences (Switzerland), 2021, 11, 4124.	2.5	3
28	Molecular dynamics studies of water deposition on hematite surfaces. AIP Conference Proceedings, 2012, , .	0.4	2
29	Thermodynamics of hydrate systems using a uniform reference state. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2706.	1.5	2
30	Utilizing Non-Equilibrium Thermodynamics and Reactive Transport to Model CH4 Production from the Nankai Trough Gas Hydrate Reservoir. Energies, 2017, 10, 1064.	3.1	1