Dmitry V Ivlev

List of Publications by Year
in descending order

14	180	1163117	1058476
papers	citations	8 h-index	14 g-index

14	14	14	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Screening of conformational polymorphism of ibuprofen in supercritical CO 2. Journal of Molecular Liquids, 2017, 239, 49-60.	4.9	30
2	The study of hydrophobicity in waterâ€“methanol and waterâ€“tert-butanol mixtures. Journal of Molecular Liquids, 2004, 110, 193-199.	4.9	29
3	High-pressure NMR spectroscopy in studies of the conformational composition of small molecules in supercritical carbon dioxide. Journal of Molecular Liquids, 2020, 309, 113113.	4.9	23
4	Carbamazepine solubility in supercritical CO2: A comprehensive study. Journal of Molecular Liquids, 2020, 311, 113104.	4.9	20
5	Conformational equilibria of pharmaceuticals in supercritical CO2, IR spectroscopy and quantum chemical calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118072.	3.9	18
6	Preferential solvation and elasticity of the hydrogen bonds network in tertiary butyl alcoholâ€“water mixture. Chemical Physics Letters, 2003, 379, 581-587.	2.6	15
7	Possibility of pressure crossover prediction by classical DFT for sparingly dissolved compounds in scCO2. Journal of Molecular Liquids, 2019, 276, 801-805.	4.9	12
8	Concentration dependence of the viscosity of tert-butanol-water mixtures: Physical experiment and computer simulation. Russian Journal of General Chemistry, 2004, 74, 1156-1162.	0.8	10
9	The volume characteristics and molecular dynamics simulation of nonaqueous solutions of aliphatic alcohols. Russian Journal of Physical Chemistry A, 2009, 83, 209-213.	0.6	8
10	Topology of hydrogen-bonded clusters in sub- and supercritical n-buthanol. Molecular dynamics simulation. Russian Journal of Physical Chemistry A, 2010, 84, 2077-2081.	0.6	6
11	Conformational lability of ibuprofen in supercritical carbon dioxide. Russian Journal of Physical Chemistry B, 2016, 10, 1153-1162.	1.3	5
12	Computation of the Solubility of 1,2,4-Thiadiazole Derivatives in Supercritical Carbon Dioxide. Russian Journal of Physical Chemistry B, 2021, 15, 1166-1170.	1.3	2
13	Helium diffusion in aqueous sodium chloride solution at high pressures. Russian Journal of Physical Chemistry A, 2012, 86, 974-978.	0.6	1
14	Computation of drug solvation free energy in supercritical CO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: Alternatives to all-atom computer simulations. Fluid Phase Equilibria, 2021, 544-545, 113096.	2.5	1