

Darya L Gurina

List of Publications by Year in descending order

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27
papers

200
citations

1040056

9
h-index

1199594

12
g-index

27
all docs

27
docs citations

27
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Dynamics Study of the Swelling of Poly(methyl methacrylate) in Supercritical Carbon Dioxide. <i>Materials</i> , 2019, 12, 3315.	2.9	15
2	The study of peculiarities of parabens solvation in methanol- and acetone-modified supercritical carbon dioxide by computer simulation. <i>Journal of Supercritical Fluids</i> , 2017, 126, 47-54.	3.2	14
3	Selective solvation in cosolvent-modified supercritical carbon dioxide on the example of hydroxycinnamic acids. The role of cosolvent self-association. <i>Journal of Supercritical Fluids</i> , 2018, 139, 19-29.	3.2	12
4	Impregnation of Poly(methyl methacrylate) with Carbamazepine in Supercritical Carbon Dioxide: Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8410-8417.	2.6	12
5	Experimental and computational investigation of polylactic acid/silver@NPANanocomposite with antimicrobial activity prepared by plasma in liquid. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000169.	3.0	12
6	Solvation of salicylic acid in pure, methanol-modified and water-modified supercritical carbon dioxide: Molecular dynamics simulation. <i>Journal of Supercritical Fluids</i> , 2015, 104, 227-233.	3.2	11
7	Features of solvation of phenolic acids in supercritical carbon dioxide modified by methanol and acetone. <i>Journal of Supercritical Fluids</i> , 2017, 124, 50-56.	3.2	11
8	Self-diffusion of caffeine and methanol in ternary mixtures caffeine@methanol@carbon tetrachloride at temperatures of 298 and 313 K. <i>Journal of Molecular Liquids</i> , 2017, 241, 922-925.	4.9	11
9	Water Effects on Molecular Adsorption of Poly(N-vinyl-2-pyrrolidone) on Cellulose Nanocrystals Surfaces: Molecular Dynamics Simulations. <i>Materials</i> , 2019, 12, 2155.	2.9	11
10	Solvation of para-hydroxybenzoic acid and its esters (methylparaben, propylparaben) in supercritical carbon dioxide. Computer simulation. <i>Journal of Supercritical Fluids</i> , 2017, 120, 59-64.	3.2	9
11	Molecular Dynamics Simulation of Polyacrylamide Adsorption on Cellulose Nanocrystals. <i>Nanomaterials</i> , 2020, 10, 1256.	4.1	9
12	Salicylic acid, acetylsalicylic acid, methyl salicylate, salicylamide, and sodium salicylate in supercritical carbon dioxide: Solute @ cosolvent hydrogen bonds formation. <i>Journal of Supercritical Fluids</i> , 2016, 116, 62-69.	3.2	8
13	Quantum chemical and molecular dynamics modeling of interaction of isomolecular dipeptides of L-alanyl-L-alanine and D-alanyl-D-alanine with sodium dodecyl sulfate micelles. <i>Computational and Theoretical Chemistry</i> , 2020, 1182, 112844.	2.5	7
14	Properties of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/Polycaprolactone Polymer Mixtures Reinforced by Cellulose Nanocrystals: Experimental and Simulation Studies. <i>Polymers</i> , 2022, 14, 340.	4.5	7
15	The self-diffusion of parabens (methyl-, propylparaben) and tetramethylsilane in the binary solvent carbon tetrachloride @ Co-solvent (methanol@d4, acetone@d6) at 278, 298 and 318@K. <i>Journal of Molecular Liquids</i> , 2019, 283, 1-5.	4.9	6
16	Interactions in solvent@polycaprolactone@cellulose nanocrystals@polyvinyl pyrrolidone system: Experiment and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021, 341, 117409.	4.9	6
17	Structure of supercritical water: The concept of critical isotherm as a percolation threshold. <i>Russian Journal of Physical Chemistry B</i> , 2012, 6, 899-906.	1.3	5
18	The structure of hydrated complexes of o-hydroxybenzoic acid in water-modified supercritical carbon dioxide: The Car-Parrinello molecular dynamics simulation. <i>Journal of Supercritical Fluids</i> , 2014, 85, 1-5.	3.2	5

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19	Dissolving power of the binary solvent carbon tetrachloride – methanol. Solubility of caffeine: Experiment, ASL model, and MD simulation. <i>Journal of Molecular Liquids</i> , 2021, 344, 117736.	4.9	5
20	Hydroxycinnamic acids in supercritical carbon dioxide. The dependence of cosolvent-induced solubility enhancement on the selective solvation. <i>Journal of Supercritical Fluids</i> , 2019, 150, 94-102.	3.2	4
21	Hydrogen-bonded complexes protocatechualdehyde - acetone in carbon tetrachloride: NMR-spectroscopy and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2020, 309, 113124.	4.9	4
22	Influence of the number and type of functional groups on self-diffusion of some aromatic compounds in acetone: Nuclear magnetic resonance and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2021, 326, 115230.	4.9	4
23	A molecular insight into poly(methyl methacrylate) impregnation with mefenamic acid in supercritical carbon dioxide: A computational simulation. <i>Journal of Molecular Liquids</i> , 2021, 337, 116424.	4.9	4
24	Poly lactide nanoparticle impregnation with carbamazepine in supercritical media and its subsequent release in liquid solvents: insights from molecular simulation. <i>Journal of Molecular Liquids</i> , 2022, 352, 118758.	4.9	4
25	Solvation of Hydroxybenzoic and Hydroxycinnamic Acids in Supercritical Carbon Dioxide: Formation of Hydrogen Bonds with a Polar Cosolvent. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 1276-1286.	1.3	2
26	Features of Structural Solvation of Methylxanthines in Carbon Tetrachloride – Methanol Binary Mixtures: Molecular Dynamics Simulation. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 75-80.	0.6	2
27	Hydrogen-Bonded Complexes of p-Hydrobenzoic Acid and Its Derivatives with a Polar Cosolvent in Supercritical Carbon Dioxide. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 865-872.	0.6	0