

Vitaliy Sechenyh

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

408
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Fickian diffusion in the ternary mixture of 1,2,3,4-tetrahydronaphthalene, isobutylbenzene, and dodecane. Journal of Chemical Physics, 2013, 139, 104903.	3.0	52
2	Dynamics of a binary mixture subjected to a temperature gradient and oscillatory forcing. Journal of Fluid Mechanics, 2015, 767, 290-322.	3.4	52
3	Experimental and predicted refractive index properties in ternary mixtures of associated liquids. Journal of Chemical Thermodynamics, 2011, 43, 1700-1707.	2.0	49
4	Diffusion and Soret in Ternary Mixtures. Preparation of the DCMIX2 Experiment on the ISS. Microgravity Science and Technology, 2014, 25, 275-283.	1.4	49
5	Optical properties of binary and ternary liquid mixtures containing tetralin, isobutylbenzene and dodecane. Journal of Chemical Thermodynamics, 2013, 62, 64-68.	2.0	36
6	Fickian Diffusion in Ternary Mixtures Composed by 1,2,3,4-Tetrahydronaphthalene, Isobutylbenzene, and Dodecane. Journal of Physical Chemistry B, 2016, 120, 535-548.	2.6	33
7	Measurements of Optical Properties in Binary and Ternary Mixtures Containing Cyclohexane, Toluene, and Methanol. Journal of Chemical & Engineering Data, 2012, 57, 1036-1043.	1.9	25
8	An experimental study for impact of a drop onto a particle in mid-air: The influence of particle wettability. Journal of Fluids and Structures, 2016, 66, 282-292.	3.4	22
9	A New Scaling Principlesâ€‘Quantitative Structure Property Relationship Model (SP-QSPR) for Predicting the Physicochemical Properties of Substances at the Saturation Line. Journal of Chemical & Engineering Data, 2014, 59, 485-493.	1.9	19
10	An experimental investigation and modelling of the viscosity refrigerant/oil solutions. International Journal of Refrigeration, 2009, 32, 1389-1395.	3.4	14
11	Development and validation of a new setup for measurements of diffusion coefficients in ternary mixtures using the Taylor dispersion technique. Comptes Rendus - Mecanique, 2013, 341, 490-496.	2.1	13
12	Quantitative analysis of dribble volumes and rates using three-dimensional reconstruction of X-ray and diffused back-illumination images of diesel sprays. International Journal of Engine Research, 2020, 21, 43-54.	2.3	12
13	Prediction of the surface tension for refrigerants and refrigerant-oil solutions (ROS). International Journal of Refrigeration, 2014, 40, 241-245.	3.4	10
14	Thermophysical properties of compressor oils for refrigerating plant. Journal of Synthetic Lubrication: Research, Development and Application of Synthetic Lubricants and Functional Fluids, 2008, 25, 57-73.	0.7	8
15	Performance of a novel liquid nitrogen power system. Applied Thermal Engineering, 2021, 191, 116896.	6.0	6
16	Temperature and concentration dependencies of the saturated vapor pressure for the solutions of nanoparticles AL ₂ O ₃ in isopropanol and fullerenes C ₆₀ in o-xylene. Journal of Molecular Liquids, 2020, 319, 114362.	4.9	5
17	Preparation of the KIBILL experiment. Comptes Rendus - Mecanique, 2013, 341, 455-461.	2.1	2
18	The Effect of Heat Exchange Fluid Composition on the Performance of a Liquid Nitrogen Engine System. Energies, 2021, 14, 1474.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Quantification of diesel injector dribble using 3D reconstruction from x-ray and DBI imaging. , 0, , .		0