

Np Malomuzh

List of Publications by Year in descending order

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27
papers

256
citations

933447

10
h-index

940533

16
g-index

27
all docs

27
docs citations

27
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Lagrange theory of thermal hydrodynamic fluctuations and collective diffusion in liquids. Physica A: Statistical Mechanics and Its Applications, 2000, 286, 474-488.	2.6	37
2	Functional form of the repulsive potential in the high pressure region. Journal of Molecular Liquids, 2005, 120, 27-30.	4.9	25
3	The classification of double critical points and thermodynamical properties in their vicinities. Physica A: Statistical Mechanics and Its Applications, 1990, 168, 833-852.	2.6	20
4	Properties of binary and ternary mixtures in the vicinities of double critical points. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 136, 239-244.	2.1	18
5	Nature of oscillations for the autocorrelation functions for translational and angular velocities of a molecule. Journal of Molecular Liquids, 2002, 96-97, 245-263.	4.9	18
6	The nature of the rectilinear diameter singularity. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 621-627.	2.6	18
7	Modification of an inverse-power potential for simple liquids and gases. Journal of Molecular Liquids, 2006, 127, 96-98.	4.9	16
8	Structure of supercooled states of highly viscous glycerol-like liquids. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 154, 269-274.	2.1	13
9	New Results in the Theory of Collective Self-Diffusion in Liquids. Ukrainian Journal of Physics, 2015, 60, 697-707.	0.2	13
10	Is the thermodynamic behavior of the noble fluids consistent with the principle of corresponding states?. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4560-4572.	2.6	10
11	Manifestation of the collective effects in the rotational motion of molecules in liquids. Journal of Molecular Liquids, 2001, 93, 95-108.	4.9	9
12	Cluster approach to the problems of diffusion and viscosity in supercooled states of glycerol-like liquids. Chemical Physics Letters, 1999, 309, 307-313.	2.6	8
13	On the similarity of the self-diffusion and shear viscosity coefficients in low-molecular liquids. Journal of Molecular Liquids, 2019, 295, 111729.	4.9	7
14	Transport and diffusion processes in trehalose-water solutions: Theory and experiments. Chemical Physics, 2006, 330, 90-100.	1.9	6
15	The peculiarities of fluctuations in supercooled water. Journal of Molecular Structure, 1997, 403, 143-152.	3.6	5
16	Diffusive dynamics: self vs. collective behaviour. Journal of Molecular Liquids, 2001, 93, 139-149.	4.9	5
17	Fluctuation-multipole mechanism of intermicellar interaction in nonionic solutions. Physica A: Statistical Mechanics and Its Applications, 2001, 290, 23-38.	2.6	5
18	Peculiarities in the behavior of the entropy diameter for molecular liquids as the reflection of molecular rotations and the excluded volume effects. Journal of Molecular Liquids, 2011, 161, 19-29.	4.9	5

#	ARTICLE	IF	CITATIONS
19	Polarizational properties of strongly viscous liquids and colloidal systems. Journal of Molecular Liquids, 1993, 58, 81-99.	4.9	4
20	The study of fluctuation kinetics in solution with a peculiar point. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 93, 414-416.	2.1	3
21	The peculiarities of molecular and stimulated impulsive light scattering in supercooled states of glycerol-like liquids. Journal of Molecular Structure, 1995, 348, 205-208.	3.6	3
22	Fluctuationâ€™multipole mechanism of interaction in emulsions. Physica A: Statistical Mechanics and Its Applications, 1998, 259, 261-277.	2.6	2
23	New version of the fluctuation Hamiltonian for liquids near the critical point. Journal of Molecular Liquids, 2011, 158, 166-169.	4.9	2
24	The generalized approach to the equation of state of dense fluids. Journal of Molecular Liquids, 2012, 166, 1-8.	4.9	2
25	Nature of the asymmetry of the equation of state near critical points in a liquid with hydrogen bonding. Journal of Molecular Structure, 1996, 381, 199-206.	3.6	1
26	MD-modeling of the intermediate scattering function for argon-like liquids and water. Journal of Molecular Liquids, 2018, 263, 200-208.	4.9	1
27	Acoustic properties and molecular light scattering in alcohols. Journal of Molecular Liquids, 1999, 79, 27-43.	4.9	0