

Peter Ahlström

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

960
citations

12
h-index

30
g-index

31
ext. papers

995
ext. citations

3
avg, IF

3.55
L-index

#	Paper	IF	Citations
31	A molecular dynamics study of polarizable water. <i>Molecular Physics</i> , 1989 , 68, 563-581	1.7	392
30	Substrate dependent sublimation kinetics of mesoscopic ice films. <i>Surface Science</i> , 1996 , 367, L19-L25	1.8	112
29	The kinetics of calcium binding to calmodulin: Quin 2 and ANS stopped-flow fluorescence studies. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 120, 185-91	3.4	111
28	Crystallization Kinetics of Thin Amorphous Water Films on Surfaces. <i>Langmuir</i> , 2003 , 19, 265-274	4	61
27	Estimating the specific chemical exergy of municipal solid waste. <i>Energy Science and Engineering</i> , 2016 , 4, 217-231	3.4	43
26	A molecular dynamics study of lecithin monolayers. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 13691-13702		38
25	Simulations of vapor water clusters at vapor-liquid equilibrium. <i>Journal of Chemical Physics</i> , 2005 , 123, 24504	3.9	29
24	Monte Carlo simulations of equilibrium solubilities and structure of water in n-alkanes and polyethylene. <i>Journal of Chemical Physics</i> , 2007 , 126, 224902	3.9	21
23	Molecular modelling of oxygen and water permeation in polyethylene. <i>Polymer</i> , 2013 , 54, 2988-2998	3.9	19
22	Molecular dynamics simulation of a phospholipase A2-substrate complex. <i>BBA - Proteins and Proteomics</i> , 1993 , 1162, 135-42		17
21	Exergy Analysis of Solid Fuel-Fired Heat and Power Plants: A Review. <i>Energies</i> , 2017 , 10, 165	3.1	16
20	Molecular-dynamics simulation of structural and conformational properties of poly(propylene oxide). <i>Journal of Chemical Physics</i> , 2000 , 112, 10669-10679	3.9	16
19	Crystallization kinetics of thin amorphous water films on surfaces: Theory and computer modeling. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1890-1898	3.6	10
18	Estimation of the Surface Tension of Polar Fluids Long-Range Contributions. <i>Langmuir</i> , 1998 , 14, 396-406		9
17	Evaluating improvements in a waste-to-energy combined heat and power plant. <i>Case Studies in Thermal Engineering</i> , 2019 , 14, 100476	5.6	8
16	Low-frequency vibrations in monomers, dimers and polymers of propylene glycol. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998 , 77, 699-707		7
15	A molecular-level computational study of the diffusion and solubility of water and oxygen in carbonaceous polyethylene nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 589-602	2.6	7

14	Simulation of water clusters in vapour, alkanes and polyethylenes. <i>Molecular Simulation</i> , 2009 , 35, 888-896	6
13	Molecular simulation of the effect of ionic impurities and external electric fields on rod-like water clusters in polyethylene. <i>Polymer</i> , 2008 , 49, 5357-5362	3.9 5
12	The Segmental and Rotational Dynamics of PPO, Above the Glass-Transition, Investigated by Neutron Scattering and Molecular Dynamics Simulations. <i>Soft Materials</i> , 2005 , 3, 1-20	1.7 5
11	The Virial of Angle Dependent Potentials in Molecular Dynamics Simulations. <i>Molecular Simulation</i> , 1994 , 13, 367-374	2 5
10	Simulation of 1-alkene and n-alkane binary vapour-liquid equilibrium using different united-atom transferable force fields. <i>Fluid Phase Equilibria</i> , 2005 , 232, 136-148	2.5 4
9	Molecular Dynamics Simulation of Surface Tension for Polar Molecules. Correction for Long-Range Interaction by Generalized van der Waals Theory.. <i>Acta Chemica Scandinavica</i> , 1995 , 49, 182-188	4
8	Simulation of water vapor clusters in equilibrium with liquid water. <i>Computer Physics Communications</i> , 2005 , 169, 54-56	4.2 3
7	Atomistic Simulation Studies of Polymers and Water 2006 , 59-65	3
6	Mirror, mirror on the wall, who is the most offensive of them all? Explaining the offensive bias in military tactical thinking. <i>Defence Studies</i> , 2019 , 19, 170-188	0.7 2
5	Formation of rodlike structures of water between oppositely charged ions in decane and polyethylene. <i>Journal of Chemical Physics</i> , 2007 , 127, 191101	3.9 2
4	On the Use of United Atoms in Statistical Mechanical Simulations of Biomolecules. <i>Molecular Simulation</i> , 1991 , 7, 181-194	2 2
3	Structure-Activity Relations In Enzymes: An Application Of IR-ATR Modulation Spectroscopy 1985 , 0553, 234	2
2	Biomolecules at Phase Boundaries. <i>Jerusalem Symposia on Quantum Chemistry and Biochemistry</i> , 1995 , 371-379	1
1	Biomolecules at phase boundaries. <i>Molecular Engineering</i> , 1995 , 5, 235-243	