Peter Ahlstrm

List of Publications by Year in Descending Order

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	Evaluating improvements in a waste-to-energy combined heat and power plant. *Case Studies in Thermal Engineering*, **2019**, 14, 100476	5.6	8
30	Mirror, mirror on the wall, who is the most offensive of them all? Explaining the offensive bias in military tactical thinking. *Defence Studies*, **2019**, 19, 170-188	0.7	2
29	Exergy Analysis of Solid Fuel-Fired Heat and Power Plants: A Review. *Energies*, **2017**, 10, 165	3.1	16
28	Estimating the specific chemical exergy of municipal solid waste. *Energy Science and Engineering*, **2016**, 4, 217-231	3.4	43
27	A molecular-level computational study of the diffusion and solubility of water and oxygen in carbonaceous polyethylene nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 589-602	2.6	7
26	Molecular modelling of oxygen and water permeation in polyethylene. *Polymer*, **2013**, 54, 2988-2998	3.9	19
25	Simulation of water clusters in vapour, alkanes and polyethylenes. *Molecular Simulation*, **2009**, 35, 888-896	2	6
24	Molecular simulation of the effect of ionic impurities and external electric fields on rod-like water clusters in polyethylene. *Polymer*, **2008**, 49, 5357-5362	3.9	5
23	Formation of rodlike structures of water between oppositely charged ions in decane and polyethylene. *Journal of Chemical Physics*, **2007**, 127, 191101	3.9	2
22	Monte Carlo simulations of equilibrium solubilities and structure of water in n-alkanes and polyethylene. *Journal of Chemical Physics*, **2007**, 126, 224902	3.9	21
21	Atomistic Simulation Studies of Polymers and Water **2006**, 59-65		3
20	Simulation of 1-alkene and n-alkane binary vapour–liquid equilibrium using different united-atom transferable force fields. *Fluid Phase Equilibria*, **2005**, 232, 136-148	2.5	4
19	Simulation of water vapor clusters in equilibrium with liquid water. *Computer Physics Communications*, **2005**, 169, 54-56	4.2	3
18	Simulations of vapor water clusters at vapor-liquid equilibrium. *Journal of Chemical Physics*, **2005**, 123, 24504	3.9	29
17	The Segmental and Rotational Dynamics of PPO, Above the Glass-Transition, Investigated by Neutron Scattering and Molecular Dynamics Simulations. *Soft Materials*, **2005**, 3, 1-20	1.7	5
16	Crystallization kinetics of thin amorphous water films on surfaces: Theory and computer modeling. *Physical Chemistry Chemical Physics*, **2004**, 6, 1890-1898	3.6	10
15	Crystallization Kinetics of Thin Amorphous Water Films on Surfaces. *Langmuir*, **2003**, 19, 265-274	4	61

14	Molecular-dynamics simulation of structural and conformational properties of poly(propylene oxide). *Journal of Chemical Physics*, **2000**, 112, 10669-10679	3.9	16
13	Estimation of the Surface Tension of Polar FluidsLong-Range Contributions. *Langmuir*, **1998**, 14, 396-406	4	9
12	Low-frequency vibrations in monomers, dimers and polymers of propylene glycol. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1998**, 77, 699-707		7
11	Substrate dependent sublimation kinetics of mesoscopic ice films. *Surface Science*, **1996**, 367, L19-L25	1.8	112
10	Biomolecules at phase boundaries. *Molecular Engineering*, **1995**, 5, 235-243		
9	Molecular Dynamics Simulation of Surface Tension for Polar Molecules. Correction for Long-Range Interaction by Generalized van der Waals Theory.. *Acta Chemica Scandinavica*, **1995**, 49, 182-188		4
8	Biomolecules at Phase Boundaries. *Jerusalem Symposia on Quantum Chemistry and Biochemistry*, **1995**, 371-379		1
7	The Virial of Angle Dependent Potentials in Molecular Dynamics Simulations. *Molecular Simulation*, **1994**, 13, 367-374	2	5
6	A molecular dynamics study of lecithin monolayers. *The Journal of Physical Chemistry*, **1993**, 97, 13691-13702		38
5	Molecular dynamics simulation of a phospholipase A2-substrate complex. *BBA - Proteins and Proteomics*, **1993**, 1162, 135-42		17
4	On the Use of United Atoms in Statistical Mechanical Simulations of Biomolecules. *Molecular Simulation*, **1991**, 7, 181-194	2	2
3	A molecular dynamics study of polarizable water. *Molecular Physics*, **1989**, 68, 563-581	1.7	392
2	Structure-Activity Relations In Enzymes: An Application Of IR-ATR Modulation Spectroscopy **1985**, 0553, 234		2
1	The kinetics of calcium binding to calmodulin: Quin 2 and ANS stopped-flow fluorescence studies. *Biochemical and Biophysical Research Communications*, **1984**, 120, 185-91	3.4	111