

James A O'brien

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rotational Relaxation in Supercritical Carbon Dioxide Revisited: A Study of Solute-Induced Local Density Augmentation. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1674-1681.	2.5	34
2	Prediction of Gas Mixture Adsorption on Activated Carbon Using Molecular Simulations. <i>Langmuir</i> , 1998, 14, 6328-6331.	3.5	23
3	Prediction of Multicomponent Adsorption Equilibrium Using a New Model of Adsorbed Phase Nonuniformity. <i>Langmuir</i> , 1997, 13, 1205-1210.	3.5	16
4	Can Molecular Simulations Be Used To Predict Adsorption on Activated Carbons?. <i>Langmuir</i> , 1997, 13, 2822-2824.	3.5	35
5	A Self-Consistent Method for Characterization of Activated Carbons Using Supercritical Adsorption and Grand Canonical Monte Carlo Simulations. <i>Langmuir</i> , 1997, 13, 2815-2821.	3.5	130
6	Influence of Local Structural Correlations on Free-Radical Reactions in Supercritical Fluids: A Hierarchical Approach. <i>Industrial & Engineering Chemistry Research</i> , 1996, 35, 19-27.	3.7	23
7	Mechanical Stability of Pure Silica Mesoporous MCM-41 by Nitrogen Adsorption and Small-Angle X-ray Diffraction Measurements. <i>The Journal of Physical Chemistry</i> , 1996, 100, 1985-1988.	2.9	155
8	Theory for multicomponent adsorption equilibrium: Multispace adsorption model. <i>AIChE Journal</i> , 1996, 42, 2773-2783.	3.6	27
9	Do solute-solute interactions affect activation-limited reactions? A Brownian dynamics study. <i>Journal of Supercritical Fluids</i> , 1996, 9, 51-55.	3.2	6
10	Effect of solute-solute correlations on rapid reactions in supercritical fluids. <i>AIChE Journal</i> , 1995, 41, 346-356.	3.6	15
11	Does Critical Clustering Affect Reaction Rate Constants? <i>Molecular Dynamics Studies in Pure Supercritical Fluids</i> . <i>The Journal of Physical Chemistry</i> , 1994, 98, 4173-4179.	2.9	39
12	Quasicritical behavior of dense-gas solvent-solute clusters at near-infinite dilution. <i>AIChE Journal</i> , 1993, 39, 1061-1071.	3.6	55
13	Adsorption of Laterally Interacting Mixtures on Heterogeneous Solid Surfaces: A Model Study. <i>Studies in Surface Science and Catalysis</i> , 1993, , 483-490.	1.5	1
14	Simulation studies of diffusion-limited coarsening in two dimensions. <i>AIChE Journal</i> , 1991, 37, 1053-1064.	3.6	3
15	A comprehensive technique for equilibrium calculations in adsorbed mixtures: the generalized FastIAS method. <i>Industrial & Engineering Chemistry Research</i> , 1988, 27, 2085-2092.	3.7	51