

Brendan J O'malley

List of Publications by Year in descending order

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16
papers

1,044
citations

623188

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h-index

940134

16
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16
all docs

16
docs citations

16
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Basis for Dimethylsulfoxide (DMSO) Action on Lipid Membranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 13982-13983.	6.6	346
2	Crystal Nucleation in the Hard Sphere System. <i>Physical Review Letters</i> , 2003, 90, 085702.	2.9	151
3	Trajectories of Entering the Metabolic Syndrome. <i>Circulation</i> , 2009, 120, 1943-1950.	1.6	150
4	Hybrid approach for generating realistic amorphous carbon structure using metropolis and reverse Monte Carlo. <i>Molecular Simulation</i> , 2002, 28, 927-938.	0.9	116
5	Structure of hard-sphere fluid and precursor structures to crystallization. <i>Journal of Chemical Physics</i> , 2005, 123, 054511.	1.2	37
6	Mathematical Model for Low Density Lipoprotein (LDL) Endocytosis by Hepatocytes. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 2303-2333.	0.9	35
7	The Microstructure of Di-alkyl Chain Cationic/Nonionic Surfactant Mixtures: Observation of Coexisting Lamellar and Micellar Phases and Depletion Induced Phase Separation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18107-18116.	1.2	30
8	HRMC: Hybrid Reverse Monte Carlo method with silicon and carbon potentials. <i>Computer Physics Communications</i> , 2008, 178, 777-787.	3.0	30
9	Topological characterization of crystallization of gold nanoclusters. <i>Journal of Chemical Physics</i> , 2006, 125, 114703.	1.2	28
10	Impact of age and menopausal status on the postprandial triacylglycerol response in healthy women. <i>Atherosclerosis</i> , 2010, 208, 246-252.	0.4	25
11	Curved-Surface Atomic Modeling of Nanoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2007, 111, 802-812.	1.5	23
12	Introduction to the DISRUPT postprandial database: subjects, studies and methodologies. <i>Genes and Nutrition</i> , 2010, 5, 39-48.	1.2	23
13	A continuum receptor model of hepatic lipoprotein metabolism. <i>Journal of Theoretical Biology</i> , 2009, 257, 371-384.	0.8	19
14	The approach to the Brownian limit in particulate dispersions. <i>Journal of Molecular Liquids</i> , 2003, 103-104, 405-421.	2.3	15
15	Mathematical modelling of competitive LDL/VLDL binding and uptake by hepatocytes. <i>Journal of Mathematical Biology</i> , 2009, 58, 845-880.	0.8	13
16	HRMC_1.1: Hybrid Reverse Monte Carlo method with silicon and carbon potentials. <i>Computer Physics Communications</i> , 2011, 182, 542.	3.0	3