Pv Coveney

List of Publications by Year in descending order

10 papers	824 citations	1307594 7 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	970 citing authors

#	Article	IF	Citations
1	LB3D: A parallel implementation of the Lattice-Boltzmann method for simulation of interacting amphiphilic fluids. Computer Physics Communications, 2017, 217, 149-161.	7.5	34
2	Coupling of lattice-Boltzmann solvers with suspended particles using the MPI intercommunication framework. Advances in Engineering Software, 2017, 111, 52-57.	3.8	0
3	Clay swelling â€" A challenge in the oilfield. Earth-Science Reviews, 2010, 98, 201-216.	9.1	492
4	Computational biomedicine: The role of workflow tools. Procedia Computer Science, 2010, 1, 2753-2761.	2.0	1
5	Unstable periodic orbits in weak turbulence. Journal of Computational Science, 2010, 1, 13-23.	2.9	9
6	A computationally efficient method for simulating fluid flow in elastic pipes in three dimensions. Computer Physics Communications, 2010, 181, 1584-1592.	7.5	2
7	Virtualizing access to scientific applications with the Application Hosting Environment. Computer Physics Communications, 2009, 180, 2513-2525.	7.5	34
8	HemeLB: A high performance parallel lattice-Boltzmann code for large scale fluid flow in complex geometries. Computer Physics Communications, 2008, 178, 894-914.	7.5	134
9	Recent advances in understanding the structure and reactivity of clays using electronic structure calculations. Computational and Theoretical Chemistry, 2006, 762, 33-48.	1.5	77
10	Steering in computational science: Mesoscale modelling and simulation. Contemporary Physics, 2003, 44, 417-434.	1.8	41