

Pv Coveney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11595225/publications.pdf>

Version: 2024-02-01

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