

Donna Calhoun

List of Publications by Year in descending order

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10
papers

749
citations

1307594

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1588992

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docs citations

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times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cartesian Grid Method for Solving the Two-Dimensional Streamfunction-Vorticity Equations in Irregular Regions. <i>Journal of Computational Physics</i> , 2002, 176, 231-275.	3.8	258
2	Capturing tree crown formation through implicit surface reconstruction using airborne lidar data. <i>Remote Sensing of Environment</i> , 2009, 113, 1148-1162.	11.0	175
3	Logically Rectangular Grids and Finite Volume Methods for PDEs in Circular and Spherical Domains. <i>SIAM Review</i> , 2008, 50, 723-752.	9.5	82
4	A Cartesian Grid Finite-Volume Method for the Advection-Diffusion Equation in Irregular Geometries. <i>Journal of Computational Physics</i> , 2000, 157, 143-180.	3.8	67
5	Clawpack: building an open source ecosystem for solving hyperbolic PDEs. <i>PeerJ Computer Science</i> , 0, 2, e68.	4.5	62
6	A standard test case suite for two-dimensional linear transport on the sphere: results from a collection of state-of-the-art schemes. <i>Geoscientific Model Development</i> , 2014, 7, 105-145.	3.6	46
7	A Finite Volume Method for Solving Parabolic Equations on Logically Cartesian Curved Surface Meshes. <i>SIAM Journal of Scientific Computing</i> , 2010, 31, 4066-4099.	2.8	34
8	Numerical simulation of diffusion MRI signals using an adaptive time-stepping method. <i>Physics in Medicine and Biology</i> , 2014, 59, 441-454.	3.0	21
9	Efficient thermal field computation in phase-field models. <i>Journal of Computational Physics</i> , 2009, 228, 8945-8957.	3.8	3
10	Evaluating Active Learning with Cost and Memory Awareness. , 2018, , .		1