Marcos Vanella

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10906759/publications.pdf

Version: 2024-02-01

14 papers	638 citations	1040056 9 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	578 citing authors

#	Article	IF	Citations
1	Direct Lagrangian Forcing Methods Based on Moving Least Squares. Computational Methods in Engineering & the Sciences, 2020, , 45-79.	0.3	0
2	A hydrodynamic stress model for simulating turbulence/particle interactions with immersed boundary methods. Journal of Computational Physics, 2019, 382, 240-263.	3.8	24
3	An adaptive reconstruction for Lagrangian, direct-forcing, immersed-boundary methods. Journal of Computational Physics, 2017, 351, 422-436.	3.8	28
4	Large-Eddy Simulation of Flow Through an Array of Cubes with Local Grid Refinement. Boundary-Layer Meteorology, 2016, 159, 285-303.	2.3	13
5	Improving Large-Eddy Simulation of Neutral Boundary Layer Flow across Grid Interfaces. Monthly Weather Review, 2015, 143, 3310-3326.	1.4	9
6	Validation Facility and Model Development for Nuclear Fuel Assembly Response to Seismic Loading. Journal of Nuclear Engineering and Radiation Science, 2015, 1, .	0.4	4
7	Flows produced by the combined oscillatory rotation and translation of a circular cylinder in a quiescent fluid. Journal of Fluid Mechanics, 2015, 764, 148-170.	3.4	9
8	Adaptive Mesh Refinement for Immersed Boundary Methods. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	1.5	35
9	Validation Data and Model Development for Nuclear Fuel Assembly Response to Seismic Loading. , 2014, , .		0
10	Parallel Algorithms for Using Lagrangian Markers in Immersed Boundary Method with Adaptive Mesh Refinement in FLASH. , 2013, , .		3
11	Optimization of multigrid based elliptic solver for large scale simulations in the FLASH code. Concurrency Computation Practice and Experience, 2012, 24, 2346-2361.	2.2	16
12	A direct-forcing embedded-boundary method with adaptive mesh refinement for fluidâ€“structure interaction problems. Journal of Computational Physics, 2010, 229, 6427-6449.	3.8	87
13	Influence of flexibility on the aerodynamic performance of a hovering wing. Journal of Experimental Biology, 2009, 212, 95-105.	1.7	224
14	A moving-least-squares reconstruction for embedded-boundary formulations. Journal of Computational Physics, 2009, 228, 6617-6628.	3.8	186