Leopold Grinberg

List of Publications by Year
in descending order

15 papers	450 citations	1039406 9 h-index	1199166 12 g-index
15 all docs	15 docs citations	15 times ranked	647 citing authors

#	Article	IF	Citations
1	Multiscale modeling and simulation of brain blood flow. Physics of Fluids, 2016, 28, 021304.	1.6	44
2	Visualizing multiphysics, fluid-structure interaction phenomena in intracranial aneurysms. Parallel Computing, 2016, 55, 9-16.	1.3	7
3	An Effective Fractal-Tree Closure Model for Simulating Blood Flow in Large Arterial Networks. Annals of Biomedical Engineering, 2015, 43, 1432-1442.	1.3	46
4	Window Proper Orthogonal Decomposition: Application to Continuum and Atomistic Data. , 2014, , 275-303.		1
5	Parallel multiscale simulations of a brain aneurysm. Journal of Computational Physics, 2013, 244, 131-147.	1.9	28
6	Tightly Coupled Atomistic-Continuum Simulations of Brain Blood Flow on Petaflop Supercomputers. Computing in Science and Engineering, 2012, 14, 58-67.	1.2	9
7	Visualizing multiscale, multiphysics simulation data: Brain blood flow. , 2011, , .		6
8	Extrapolation-Based Acceleration of Iterative Solvers: Application to Simulation of 3D Flows. Communications in Computational Physics, 2011, 9, 607-626.	0.7	9
9	Visualization of multiscale simulation data. , 2011, , .		2
10	Modeling of blood flow in arterial trees. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 612-623.	6.6	24
11	Analyzing Transient Turbulence in a Stenosed Carotid Artery by Proper Orthogonal Decomposition. Annals of Biomedical Engineering, 2009, 37, 2200-2217.	1.3	68
12	Simulation of the human intracranial arterial tree. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2371-2386.	1.6	39
13	Outflow Boundary Conditions for Arterial Networks with Multiple Outlets. Annals of Biomedical Engineering, 2008, 36, 1496-1514.	1.3	124
14	Modeling rough stenoses by an immersed-boundary method. Journal of Biomechanics, 2005, 38, 1115-1127.	0.9	33
15	Phase shift ellipses for pulsating flows. Physics of Fluids, 2003, 15, 2081-2083.	1.6	10