

Leopold Grinberg

List of Publications by Year in descending order

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Version: 2024-02-01

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