

Jozsef Bakosi

List of Publications by Year in descending order

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23
papers

503
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933264

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24
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	A THINC-DG Method for Multi-Material Fluid Flow. , 2022, , .		1
2	A Dynamically Load-balanced Parallel p-adaptive Discontinuous Galerkin Method for the Compressible Euler Equations on Tetrahedral Grids. , 2022, , .		0
3	Multi-material hydrodynamics with algebraic sharp interface capturing. Computers and Fluids, 2021, 215, 104804.	1.3	12
4	Algebraic sharp interface capturing for non-equilibrium multi-material flows. , 2021, , .		0
5	A Discontinuous Galerkin Method for Multi-Material Hydrodynamics on Unstructured Mesh. , 2021, , .		0
6	A reconstructed discontinuous Galerkin method for multi-material hydrodynamics with sharp interfaces. International Journal for Numerical Methods in Fluids, 2020, 92, 874-898.	0.9	17
7	A Fokker-Planck approach to a moment closure for mixing in variable-density turbulence. Journal of Turbulence, 2019, 20, 393-423.	0.5	1
8	An enhanced AUSM ⁺ -up scheme for high-speed compressible two-phase flows on hybrid grids. Shock Waves, 2019, 29, 629-649.	1.0	14
9	A coupled ALE-AMR method for shock hydrodynamics. Computers and Fluids, 2018, 167, 359-371.	1.3	10
10	Modeling of additive manufacturing processes for metals: Challenges and opportunities. Current Opinion in Solid State and Materials Science, 2017, 21, 198-206.	5.6	299
11	Improved ALE mesh velocities for complex flows. International Journal for Numerical Methods in Fluids, 2017, 85, 662-671.	0.9	6
12	Large-eddy simulation, fuel rod vibration and grid-to-rod fretting in pressurized water reactors. Journal of Computational Physics, 2016, 322, 142-161.	1.9	39
13	A hybrid incremental projection method for thermal-hydraulics applications. Journal of Computational Physics, 2016, 317, 382-404.	1.9	7
14	Assessment of a hybrid finite element and finite volume code for turbulent incompressible flows. Journal of Computational Physics, 2016, 307, 653-669.	1.9	3
15	Diffusion Processes Satisfying a Conservation Law Constraint. International Journal of Stochastic Analysis, 2014, 2014, 1-9.	0.3	2
16	Large-eddy simulations of turbulent flow for grid-to-rod fretting in nuclear reactors. Nuclear Engineering and Design, 2013, 262, 544-561.	0.8	32
17	A stochastic diffusion process for Lochner's generalized Dirichlet distribution. Journal of Mathematical Physics, 2013, 54, 102701.	0.5	1
18	A Stochastic Diffusion Process for the Dirichlet Distribution. International Journal of Stochastic Analysis, 2013, 2013, 1-7.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Extending the Langevin model to variable-density pressure-gradient-driven turbulence. Journal of Turbulence, 2011, 12, N19.	0.5	10
20	Exploring the beta distribution in variable-density turbulent mixing. Journal of Turbulence, 2010, 11, N37.	0.5	11
21	Joint PDF Modelling of Turbulent Flow and Dispersion in an Urban Street Canyon. Boundary-Layer Meteorology, 2009, 131, 245-261.	1.2	9
22	A non-hybrid method for the PDF equations of turbulent flows on unstructured grids. Journal of Computational Physics, 2008, 227, 5896-5935.	1.9	11
23	Probability density function modeling of scalar mixing from concentrated sources in turbulent channel flow. Physics of Fluids, 2007, 19, 115106.	1.6	13