

Konstantin Kutscher

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

100
citations

1684188
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h-index

1588992
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all docs

9
docs citations

9
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale simulation of turbulent flow interacting with porous media based on a massively parallel implementation of the cumulant lattice Boltzmann method. Computers and Fluids, 2019, 193, 103733.	2.5	31
2	Simulation of micro aggregate breakage in turbulent flows by the cumulant lattice Boltzmann method. Computers and Fluids, 2016, 140, 222-231.	2.5	28
3	Distributed cumulant lattice Boltzmann simulation of the dispersion process of ceramic agglomerates. Journal of Computational Methods in Sciences and Engineering, 2016, 16, 231-252.	0.2	16
4	Implicit Large Eddy Simulation of Flow in a Micro-Orifice with the Cumulant Lattice Boltzmann Method. Computation, 2017, 5, 23.	2.0	13
5	VALIDATION OF A VRANS-MODEL FOR TURBULENT FLOW OVER A POROUS FLAT PLATE BY CUMULANT LATTICE BOLTZMANN DNS/LES AND EXPERIMENTS. Journal of Porous Media, 2018, 21, 471-482.	1.9	8
6	A HIERARCHICAL APPROACH TO DETERMINING ACOUSTIC ABSORPTION PROPERTIES OF POROUS MEDIA COMBINING PORE-RESOLVED AND MACROSCOPIC MODELS. Journal of Porous Media, 2018, 21, 83-100.	1.9	2
7	A Direct Effective Viscosity Approach for Modeling and Simulating Bingham Fluids with the Cumulant Lattice Boltzmann Method. Open Journal of Fluid Dynamics, 2021, 11, 34-54.	0.5	1
8	Massively Parallel Lattice Boltzmann Simulations of Turbulent Flow over and Inside Porous Media. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 513-527.	0.3	1
9	PS5-4 CFD analyses for the flow in cancellous bone with LBM(PS5: Poster Short Presentation V,Poster) Tj ETQq1 1 Technology in Biomechanics, 2015, 2015.8, 302.	0.784314 0.0	rgBT /Over 0