Benzi John

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9158969/publications.pdf

Version: 2024-02-01

15	289	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaporation from arbitrary nanoporous membrane configurations: An effective evaporation coefficient approach. Physics of Fluids, 2021, 33, .	4.0	7
2	Particle-based hybrid and multiscale methods for nonequilibrium gas flows. Advances in Aerodynamics, 2019, 1, .	2.5	35
3	Non-equilibrium effects on flow past a circular cylinder in the slip and early transition regime. Journal of Fluid Mechanics, 2019, 860, 654-681.	3.4	23
4	Numerical investigation of nanoporous evaporation using direct simulation Monte Carlo. Physical Review Fluids, 2019, 4, .	2.5	15
5	Computation of Aerodynamic Forces Under Nonequilibrium Conditions: Flow Past a Spinning Cylinder. AIAA Journal, 2018, 56, 4219-4224.	2.6	3
6	Simulation of the head-disk interface gap using a hybrid multi-scale method. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	3
7	High-Speed Rarefied Flow Past a Rotating Cylinder: The Inverse Magnus Effect. AIAA Journal, 2016, 54, 1670-1681.	2.6	19
8	Parallel Navierâ€“Stokes simulations for high speed compressible flow past arbitrary geometries using FLASH. Computers and Fluids, 2015, 110, 27-35.	2.5	3
9	High Speed Aerodynamic Characteristics of Rarefied Flow past Stationary and Rotating Cylinders. , 2015, , .		4
10	Nonequilibrium gaseous heat transfer in pressure-driven plane Poiseuille flow. Physical Review E, 2013, 88, 013018.	2.1	11
11	Parallel Compressible Viscous Flow Simulations Using FLASH Code: Implementation for Arbitrary 3D Geometries. Procedia Engineering, 2013, 61, 52-56.	1.2	3
12	Effects of incomplete surface accommodation on non-equilibrium heat transfer in cavity flow: A parallel DSMC study. Computers and Fluids, 2011, 45, 197-201.	2.5	58
13	Investigation of Heat and Mass Transfer in a Lid-Driven Cavity Under Nonequilibrium Flow Conditions. Numerical Heat Transfer, Part B: Fundamentals, 2010, 58, 287-303.	0.9	87
14	Hybrid Continuumâ€“Direct Simulation Monte Carlo and Particle-Laden Flow Modeling in the Head-Disk Interface Gap. IEEE Transactions on Magnetics, 2009, 45, 4929-4932.	2.1	6
15	Computation of headâ€“disk interface gap micro flowfields using DSMC and continuumâ€“atomistic hybrid methods. International Journal for Numerical Methods in Fluids, 2009, 61, 1273-1298.	1.6	12