Vasileios Fountoulakis

List of Publications by Year
in descending order

12 papers	200 citations	1040056 9 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	112 citing authors

#	Article	IF	Citations
1	Lagrangian models of particle-laden flows with stochastic forcing: Monte Carlo, moment equations, and method of distributions analyses. Physics of Fluids, 2021, 33, .	4.0	7
2	Uncertainty quantification in Eulerian–Lagrangian simulations of (point-)particle-laden flows with data-driven and empirical forcing models. International Journal of Multiphase Flow, 2019, 121, 103114.	3.4	5
3	Two-way coupled Cloud-In-Cell modeling of non-isothermal particle-laden flows: A Subgrid Particle-Averaged Reynolds Stress-Equivalent (SPARSE) formulation. Journal of Computational Physics, 2019, 390, 595-618.	3.8	5
4	SPARSE—A subgrid particle averaged Reynolds stress equivalent model: testing with *a priori* closure. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160769.	2.1	11
5	Regularization of Singularities in the Weighted Summation of Dirac-Delta Functions for the Spectral Solution of Hyperbolic Conservation Laws. Journal of Scientific Computing, 2017, 72, 1080-1092.	2.3	9
6	Effect of boundary representation on viscous, separated flows in a discontinuous-Galerkin Navier–Stokes solver. Theoretical and Computational Fluid Dynamics, 2016, 30, 363-385.	2.2	13
7	High-order visualization of three-dimensional lagrangian coherent structures with DG-FTLE. Computers and Fluids, 2016, 139, 197-215.	2.5	10
8	DG-FTLE: Lagrangian coherent structures with high-order discontinuous-Galerkin methods. Journal of Computational Physics, 2015, 295, 65-86.	3.8	15
9	Shock capturing with entropy-based artificial viscosity for staggered grid discontinuous spectral element method. Computers and Fluids, 2014, 98, 152-163.	2.5	27
10	A High-Order Dirac-Delta Regularization with Optimal Scaling in the Spectral Solution of One-Dimensional Singular Hyperbolic Conservation Laws. SIAM Journal of Scientific Computing, 2014, 36, A1831-A1849.	2.8	18
11	An Eulerian model for particles nonisothermally carried by a compressible fluid. International Journal of Heat and Mass Transfer, 2013, 65, 845-854.	4.8	16
12	A high-order WENO-Z finite difference based particle-source-in-cell method for computation of particle-laden flows with shocks. Journal of Computational Physics, 2009, 228, 1365-1379.	3.8	64