

# Vasileios Fountoulakis

## List of Publications by Year in descending order

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