Peyman Givi

List of Publications by Year
in descending order

14 papers	590 citations	1040056 9 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	245 citing authors

#	Article	IF	Citations
1	Model-free simulations of turbulent reactive flows. Progress in Energy and Combustion Science, 1989, 15, 1-107.	31.2	232
2	Filtered Density Function for Subgrid Scale Modeling of Turbulent Combustion. AIAA Journal, 2006, 44, 16-23.	2.6	165
3	Deep learning of turbulent scalar mixing. Physical Review Fluids, 2019, 4, .	2.5	39
4	A quantum-inspired approach to exploit turbulence structures. Nature Computational Science, 2022, 2, 30-37.	8.0	25
5	Grid Resolution Effects on VSFMDF/LES. Flow, Turbulence and Combustion, 2010, 85, 677-688.	2.6	24
6	Turbulent Mixing Simulation via a Quantum Algorithm. AIAA Journal, 2018, 56, 687-699.	2.6	22
7	Binary and trinary scalar mixing by Fickian diffusionâ€"Some mapping closure results. Physics of Fluids A, Fluid Dynamics, 1992, 4, 1028-1035.	1.6	18
8	Modeling of isotropic reacting turbulence by a hybrid mapping-EDQNM closure. AICHE Journal, 1992, 38, 535-543.	3.6	15
9	Quantum Speedup for Aeroscience and Engineering. AIAA Journal, 2020, 58, 3715-3727.	2.6	14
10	Large Eddy Simulation of Heat and Mass Transport in Turbulent Flows. , 0, , 167-189.		14
11	Modern Developments in Filtered Density Function. Heat and Mass Transfer, 2020, , 181-200.	0.5	10
12	Quantum algorithm for the computation of the reactant conversion rate in homogeneous turbulence. Combustion Theory and Modelling, 2019, 23, 1090-1104.	1.9	9
13	High Fidelity Spectral-FDF-LES of Turbulent Scalar Mixing. Combustion Science and Technology, 2020, 192, 1219-1232.	2.3	3
14	Edward E. O'Brien contributions to reactive-flow turbulence. Physics of Fluids, 2021, 33, 080403.	4.0	0