

# Peyman Givi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9870806/publications.pdf>

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14  
papers

590  
citations

1040056

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h-index

1199594

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g-index

14  
all docs

14  
docs citations

14  
times ranked

245  
citing authors

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