

Aaron W Skiba

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

656
citations

759233

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752698

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22
all docs

22
docs citations

22
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Premixed flames subjected to extreme turbulence: Some questions and recent answers. Progress in Energy and Combustion Science, 2020, 76, 100802.	31.2	118
2	Premixed flames subjected to extreme levels of turbulence part I: Flame structure and a new measured regime diagram. Combustion and Flame, 2018, 189, 407-432.	5.2	117
3	Measurements to determine the regimes of premixed flames in extreme turbulence. Proceedings of the Combustion Institute, 2017, 36, 1809-1816.	3.9	75
4	Turbulent burning velocity measurements: Extended to extreme levels of turbulence. Proceedings of the Combustion Institute, 2017, 36, 1801-1808.	3.9	74
5	Evolution of turbulence through a broadened preheat zone in a premixed piloted Bunsen flame from conditionally-averaged velocity measurements. Combustion and Flame, 2018, 188, 13-27.	5.2	48
6	Reaction layer visualization: A comparison of two PLIF techniques and advantages of kHz-imaging. Proceedings of the Combustion Institute, 2017, 36, 4593-4601.	3.9	40
7	20 μ s kHz CH ₂ O and OH PLIF with stereo PIV. Optics Letters, 2018, 43, 1115.	3.3	30
8	The influence of large eddies on the structure of turbulent premixed flames characterized with stereo-PIV and multi-species PLIF at 20 μ s kHz. Proceedings of the Combustion Institute, 2019, 37, 2477-2484.	3.9	30
9	A simplified approach to simultaneous multi-scalar imaging in turbulent flames. Combustion and Flame, 2018, 189, 207-211.	5.2	20
10	Simultaneous high speed PIV and CH PLIF using R-branch excitation in the C ₂ $\hat{\Sigma}^+$ -X ₂ $\hat{\Sigma}^+$ (0,0) band. Proceedings of the Combustion Institute, 2019, 37, 1479-1487.	3.9	17
11	Blow-off mechanisms of turbulent premixed bluff-body stabilised flames operated with vapourised kerosene fuels. Proceedings of the Combustion Institute, 2021, 38, 2957-2965.	3.9	14
12	Experimental investigation of unconfined turbulent premixed bluff-body stabilized flames operated with vapourised liquid fuels. Combustion and Flame, 2021, 227, 428-442.	5.2	14
13	High-resolution velocity measurements in turbulent premixed flames using wavelet-based optical flow velocimetry (wOFV). Proceedings of the Combustion Institute, 2021, 38, 1607-1615.	3.9	13
14	On the Resonance and Shelf/Open-Ocean Coupling of the Global Diurnal Tides. Journal of Physical Oceanography, 2013, 43, 1301-1324.	1.7	12
15	Experimental assessment of the progress variable space structure of premixed flames subjected to extreme turbulence. Proceedings of the Combustion Institute, 2021, 38, 2893-2900.	3.9	10
16	CH PLIF and PIV implementation using C-X (0,0) and intra-vibrational band filtered detection. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	9
17	High-fidelity flame-front wrinkling measurements derived from fractal analysis of turbulent premixed flames with large Reynolds numbers. Proceedings of the Combustion Institute, 2021, 38, 2809-2816.	3.9	5
18	On the bi-stable nature of turbulent premixed bluff-body stabilized flames at elevated pressure and near lean blow-off. Proceedings of the Combustion Institute, 2021, 38, 2853-2860.	3.9	5

#	ARTICLE	IF	CITATIONS
19	Premixed flames subjected to extreme levels of turbulence part II: Surface characteristics and scalar dissipation rates. <i>Combustion and Flame</i> , 2022, 239, 111703.	5.2	3
20	Blow-off mechanism in a turbulent premixed bluff-body stabilized flame with pre-vaporized fuels. , 2019, , .		1
21	On the Mechanism Responsible for Extreme Turbulence Intensity Generation in the Hi-Pilot Burner. <i>Flow, Turbulence and Combustion</i> , 2022, 109, 411-433.	2.6	1
22	Application of C-X band CH PLIF to Topological Studies of Turbulent Spray Flames. , 2022, , .		0