

Miguel Alfonso Mendez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

397
citations

933410

10
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888047

17
g-index

24
all docs

24
docs citations

24
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial neural networks modeling of wall pressure spectra beneath turbulent boundary layers. <i>Physics of Fluids</i> , 2022, 34, 035119.	4.0	10
2	A meshless method to compute pressure fields from image velocimetry. <i>Measurement Science and Technology</i> , 2022, 33, 094005.	2.6	9
3	Spectral and modal analysis of a cavitating flow through an orifice. <i>Experimental Thermal and Fluid Science</i> , 2021, 121, 110251.	2.7	13
4	Dynamics of the jet wiping process via integral models. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	7
5	Calibration of a hypoplastic model using genetic algorithms. <i>Acta Geotechnica</i> , 2021, 16, 2031-2047.	5.7	23
6	Koopman operator for Burgers's equation. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	4
7	On the dynamics of jet wiping: Numerical simulations and modal analysis. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
8	Multiscale Modal Analysis of a Plasma Jet: Coherent Structures and their Observability. , 2021, , .		0
9	Probabilistic evaluation of streamline topologies for the detection of preferential flow configurations in PIV applications. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	0
10	MODULO: A software for Multiscale Proper Orthogonal Decomposition of data. <i>SoftwareX</i> , 2020, 12, 100622.	2.6	11
11	Multiscale proper orthogonal decomposition (mPOD) of TR-PIV data—a case study on stationary and transient cylinder wake flows. <i>Measurement Science and Technology</i> , 2020, 31, 094014.	2.6	23
12	An experimental analysis of the stability of the jet wiping process: Part I — Characterization of the coating uniformity. <i>Experimental Thermal and Fluid Science</i> , 2019, 103, 51-65.	2.7	8
13	Multi-scale proper orthogonal decomposition of complex fluid flows. <i>Journal of Fluid Mechanics</i> , 2019, 870, 988-1036.	3.4	93
14	Experimental analysis of the stability of the jet wiping process, part II: Multiscale modal analysis of the gas jet-liquid film interaction. <i>Experimental Thermal and Fluid Science</i> , 2019, 106, 48-67.	2.7	15
15	Multiscale modal analysis of an oscillating impinging gas jet. <i>Experimental Thermal and Fluid Science</i> , 2018, 91, 256-276.	2.7	24
16	Fluidic Vectoring of a Planar Incompressible Jet Flow. <i>EPJ Web of Conferences</i> , 2018, 180, 02065.	0.3	1
17	Multi-scale proper orthogonal decomposition (mPOD). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6
18	Experimental Characterization of the Jet Wiping Process. <i>EPJ Web of Conferences</i> , 2018, 180, 02064.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Low Kapitza falling liquid films. <i>Chemical Engineering Science</i> , 2017, 170, 122-138.	3.8	24
20	POD-based background removal for particle image velocimetry. <i>Experimental Thermal and Fluid Science</i> , 2017, 80, 181-192.	2.7	102
21	Measurement of Liquid Film Thickness via Light Absorption and Laser Tomography. <i>EPJ Web of Conferences</i> , 2016, 114, 02072.	0.3	10