

Miguel Alfonso Mendez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

397
citations

933447

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h-index

888059

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. Physics of Fluids, 2022, 34, 035119.	4.0	10
2	A meshless method to compute pressure fields from image velocimetry. Measurement Science and Technology, 2022, 33, 094005.	2.6	9
3	Spectral and modal analysis of a cavitating flow through an orifice. Experimental Thermal and Fluid Science, 2021, 121, 110251.	2.7	13
4	Dynamics of the jet wiping process via integral models. Journal of Fluid Mechanics, 2021, 911, .	3.4	7
5	Calibration of a hypoplastic model using genetic algorithms. Acta Geotechnica, 2021, 16, 2031-2047.	5.7	23
6	Koopman operator for Burgers's equation. Physical Review Fluids, 2021, 6, .	2.5	4
7	On the dynamics of jet wiping: Numerical simulations and modal analysis. Physics of Fluids, 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. Experiments in Fluids, 2020, 61, 1.	2.4	0
10	MODULO: A software for Multiscale Proper Orthogonal Decomposition of data. SoftwareX, 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. Measurement Science and Technology, 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. Experimental Thermal and Fluid Science, 2019, 103, 51-65.	2.7	8
13	Multi-scale proper orthogonal decomposition of complex fluid flows. Journal of Fluid Mechanics, 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. Experimental Thermal and Fluid Science, 2019, 106, 48-67.	2.7	15
15	Multiscale modal analysis of an oscillating impinging gas jet. Experimental Thermal and Fluid Science, 2018, 91, 256-276.	2.7	24
16	Fluidic Vectoring of a Planar Incompressible Jet Flow. EPJ Web of Conferences, 2018, 180, 02065.	0.3	1
17	Multi-scale proper orthogonal decomposition (mPOD). AIP Conference Proceedings, 2018, , .	0.4	6
18	Experimental Characterization of the Jet Wiping Process. EPJ Web of Conferences, 2018, 180, 02064.	0.3	0

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