Miguel Alfonso Mendez

List of Publications by Year
in descending order

21	397	933447 10	888059 17
papers	citations	h-index	g-index

24	24	24	288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	POD-based background removal for particle image velocimetry. Experimental Thermal and Fluid Science, 2017, 80, 181-192.	2.7	102
2	Multi-scale proper orthogonal decomposition of complex fluid flows. Journal of Fluid Mechanics, 2019, 870, 988-1036.	3.4	93
3	Low Kapitza falling liquid films. Chemical Engineering Science, 2017, 170, 122-138.	3.8	24
4	Multiscale modal analysis of an oscillating impinging gas jet. Experimental Thermal and Fluid Science, 2018, 91, 256-276.	2.7	24
5	Multiscale proper orthogonal decomposition (mPOD) of TR-PIV dataâ€"a case study on stationary and transient cylinder wake flows. Measurement Science and Technology, 2020, 31, 094014.	2.6	23
6	Calibration of a hypoplastic model using genetic algorithms. Acta Geotechnica, 2021, 16, 2031-2047.	5.7	23
7	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
8	On the dynamics of jet wiping: Numerical simulations and modal analysis. Physics of Fluids, 2021, 33, .	4.0	14
9	Spectral and modal analysis of a cavitating flow through an orifice. Experimental Thermal and Fluid Science, 2021, 121, 110251.	2.7	13
10	MODULO: A software for Multiscale Proper Orthogonal Decomposition of data. SoftwareX, 2020, 12, 100622.	2.6	11
11	Measurement of Liquid Film Thickness via Light Absorption and Laser Tomography. EPJ Web of Conferences, 2016, 114, 02072.	0.3	10
12	Artificial neural networks modeling of wall pressure spectra beneath turbulent boundary layers. Physics of Fluids, 2022, 34, 035119.	4.0	10
13	A meshless method to compute pressure fields from image velocimetry. Measurement Science and Technology, 2022, 33, 094005.	2.6	9
14	An experimental analysis of the stability of the jet wiping process: Part I â€" Characterization of the coating uniformity. Experimental Thermal and Fluid Science, 2019, 103, 51-65.	2.7	8
15	Dynamics of the jet wiping process via integral models. Journal of Fluid Mechanics, 2021, 911, .	3.4	7
16	Multi-scale proper orthogonal decomposition (mPOD). AIP Conference Proceedings, 2018, , .	0.4	6
17	Koopman operator for Burgers's equation. Physical Review Fluids, 2021, 6, .	2.5	4
18	Fluidic Vectoring of a Planar Incompressible Jet Flow. EPJ Web of Conferences, 2018, 180, 02065.	0.3	1

#	Article	IF	Citations
19	Experimental Characterization of the Jet Wiping Process. EPJ Web of Conferences, 2018, 180, 02064.	0.3	0
20	Probabilistic evaluation of streamline topologies for the detection of preferential flow configurations in PIV applications. Experiments in Fluids, 2020, 61, 1.	2.4	0
21	Multiscale Modal Analysis of a Plasma Jet: Coherent Structures and their Observability. , 2021, , .		0