

Luiz M Faria

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

240
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of chemistry on the steady solutions of hydrogen gaseous detonations with friction losses. <i>Combustion and Flame</i> , 2022, 240, 112050.	5.2	4
2	Planewave Density Interpolation Methods for the EFIE on Simple and Composite Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 317-331.	5.1	1
3	General-purpose kernel regularization of boundary integral equations via density interpolation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 378, 113703.	6.6	3
4	Harmonic density interpolation methods for high-order evaluation of Laplace layer potentials in 2D and 3D. <i>Journal of Computational Physics</i> , 2019, 376, 411-434.	3.8	13
5	Anomalous Chained Turbulence in Actively Driven Flows on Spheres. <i>Physical Review Letters</i> , 2018, 120, 164503.	7.8	24
6	Walking droplets interacting with single and double slits. <i>Journal of Fluid Mechanics</i> , 2018, 835, 1136-1156.	3.4	46
7	The interaction of a walking droplet and a submerged pillar: From scattering to the logarithmic spiral. <i>Chaos</i> , 2018, 28, 096105.	2.5	15
8	A model for Faraday pilot waves over variable topography. <i>Journal of Fluid Mechanics</i> , 2017, 811, 51-66.	3.4	22
9	Non-specular reflection of walking droplets. <i>Journal of Fluid Mechanics</i> , 2016, 804, .	3.4	32
10	Theory of weakly nonlinear self-sustained detonations. <i>Journal of Fluid Mechanics</i> , 2015, 784, 163-198.	3.4	23
11	Qualitative modeling of the dynamics of detonations with losses. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 2015-2023.	3.9	15
12	Study of a Model Equation in Detonation Theory. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 547-570.	1.8	16
13	Model for Shock Wave Chaos. <i>Physical Review Letters</i> , 2013, 110, 104104.	7.8	26