

Ernesto Criado-Hidalgo

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

193
citations

1307594

7
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic study on the ionization of trace gases by an electrospray plume. <i>International Journal of Mass Spectrometry</i> , 2012, 313, 21-29.	1.5	49
2	On the bulk motion of the cerebrospinal fluid in the spinal canal. <i>Journal of Fluid Mechanics</i> , 2018, 841, 203-227.	3.4	40
3	Mass and Charge Distribution Analysis in Negative Electrosprays of Large Polyethylene Glycol Chains by Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 2710-2716.	6.5	29
4	Elucidating the Biomechanics of Leukocyte Transendothelial Migration by Quantitative Imaging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 635263.	3.7	17
5	Measurements of Plasma Properties Using Fast Sweep Langmuir Probes in Unmagnetized Weakly Ionized Plasmas. <i>Contributions To Plasma Physics</i> , 2010, 50, 819-823.	1.1	14
6	Subject-Specific Studies of CSF Bulk Flow Patterns in the Spinal Canal: Implications for the Dispersion of Solute Particles in Intrathecal Drug Delivery. <i>American Journal of Neuroradiology</i> , 2019, 40, 1242-1249.	2.4	13
7	Quantifying the mechanics of locomotion of the schistosome pathogen with respect to changes in its physical environment. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180675.	3.4	13
8	Characterization of the Ion Beam Neutralization of Plasma Thrusters Using Collecting and Emissive Langmuir Probes. <i>Contributions To Plasma Physics</i> , 2013, 53, 57-62.	1.1	4
9	Strain Accumulation Visco-Elastic Ventriculomegaly Hypothesis for the Onset of Idiopathic Normal Pressure Hydrocephalus (iNPH). <i>Biophysical Journal</i> , 2020, 118, 452a.	0.5	4
10	Vacuum exhausted isolation locker (VEIL) to reduce inpatient droplet/aerosol transmission during COVID-19 pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2021, , 1-10.	1.8	4
11	Transmantle Pressure Computed from MR Imaging Measurements of Aqueduct Flow and Dimensions. <i>American Journal of Neuroradiology</i> , 2021, 42, 1815-1821.	2.4	3
12	Biomechanical interactions of <i>Schistosoma mansoni</i> eggs with vascular endothelial cells facilitate egg extravasation. <i>PLoS Pathogens</i> , 2022, 18, e1010309.	4.7	3
13	Validation of a Novel Experimental and Computational Methodology to Measure Intercellular Forces during Tissue Morphogenesis. <i>Biophysical Journal</i> , 2016, 110, 309a.	0.5	0
14	Experimental and Computational Methodologies to Measure Intercellular Forces during Tissue Development. <i>Biophysical Journal</i> , 2017, 112, 270a.	0.5	0
15	Biomechanics of JAM-C-Mediated Neutrophil Reverse Transendothelial Migration. <i>Biophysical Journal</i> , 2020, 118, 282a.	0.5	0
16	A Capillary Controlled Hydrogel Microchannel for Isotropic Compressive Stress Quantification. <i>Biophysical Journal</i> , 2020, 118, 601a.	0.5	0
17	Fabricating biocompatible polyacrylamide microbeads for cell-generated mechanical force quantification via photoinitiated polymerization. <i>Biophysical Journal</i> , 2022, 121, 418a.	0.5	0