

J Rodrigo Velez-Cordero

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

537
citations

1039406

9
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	On the deformation of gas bubbles in liquids. <i>Physics of Fluids</i> , 2012, 24, .	1.6	130
2	Waving transport and propulsion in a generalized Newtonian fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 199, 37-50.	1.0	116
3	Heat generation and conduction in PDMS-carbon nanoparticle membranes irradiated with optical fibers. <i>International Journal of Thermal Sciences</i> , 2015, 96, 12-22.	2.6	67
4	Hydrodynamic interaction between a pair of bubbles ascending in shear-thinning inelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 118-132.	1.0	65
5	Bubble cluster formation in shear-thinning inelastic bubbly columns. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 32-41.	1.0	32
6	Study of the properties of bubbly flows in Boger-type fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2012, 175-176, 1-9.	1.0	29
7	Photothermal Effects and Applications of Polydimethylsiloxane Membranes with Carbon Nanoparticles. <i>Polymers</i> , 2016, 8, 84.	2.0	28
8	Compact bubble clusters in Newtonian and non-Newtonian liquids. <i>Physics of Fluids</i> , 2014, 26, .	1.6	15
9	Thermocapillary Flow in Glass Tubes Coated with Photoresponsive Layers. <i>Langmuir</i> , 2014, 30, 5326-5336.	1.6	12
10	Viscous pumping inspired by flexible propulsion. <i>Bioinspiration and Biomimetics</i> , 2014, 9, 036007.	1.5	8
11	Controlled Deposition of Polymer Coatings on Cylindrical Photonic Devices. <i>Journal of Lightwave Technology</i> , 2015, 33, 176-182.	2.7	8
12	On the Motion of Carbon Nanotube Clusters near Optical Fiber Tips: Thermophoresis, Radiative Pressure, and Convection Effects. <i>Langmuir</i> , 2015, 31, 10066-10075.	1.6	8
13	Photomechanical Polymer Nanocomposites for Drug Delivery Devices. <i>Molecules</i> , 2021, 26, 5376.	1.7	5
14	An optopneumatic piston for microfluidics. <i>Lab on A Chip</i> , 2015, 15, 1335-1342.	3.1	4
15	Spatially heterogeneous dynamics and locally arrested density fluctuations from first principles. <i>Physics of Fluids</i> , 2022, 34, 033107.	1.6	3
16	Transport of Colloids along Corners: Visualization of Evaporation-Induced Flows beyond the Axisymmetric Condition. <i>Langmuir</i> , 2016, 32, 8171-8181.	1.6	2
17	Ultra-slow and arrested density-fluctuations as precursor of spatial heterogeneity. <i>Physics of Fluids</i> , 2022, 34, 011704.	1.6	2
18	Fiber optic probe with functional polymer composites for hyperthermia. <i>Biomedical Optics Express</i> , 2021, 12, 4730.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Particle/wall electroviscous effects at the micron scale: comparison between experiments, analytical and numerical models.. Journal of Physics Condensed Matter, 2021, 34, .	0.7	1