J Rodrigo Velez-Cordero

List of Publications by Citations

19 papers	380 citations	9 h-index	19 g-index
20 ext. papers	455 ext. citations	3.6 avg, IF	3.76 L-index

#	Paper	IF	Citations
19	On the deformation of gas bubbles in liquids. *Physics of Fluids*, **2012**, 24, 043303	4.4	95
18	Waving transport and propulsion in a generalized Newtonian fluid. *Journal of Non-Newtonian Fluid Mechanics*, **2013**, 199, 37-50	2.7	91
17	Hydrodynamic interaction between a pair of bubbles ascending in shear-thinning inelastic fluids. *Journal of Non-Newtonian Fluid Mechanics*, **2011**, 166, 118-132	2.7	48
16	Heat generation and conduction in PDMS-carbon nanoparticle membranes irradiated with optical fibers. *International Journal of Thermal Sciences*, **2015**, 96, 12-22	4.1	33
15	Bubble cluster formation in shear-thinning inelastic bubbly columns. *Journal of Non-Newtonian Fluid Mechanics*, **2011**, 166, 32-41	2.7	25
14	Photothermal Effects and Applications of Polydimethylsiloxane Membranes with Carbon Nanoparticles. *Polymers*, **2016**, 8,	4.5	19
13	Study of the properties of bubbly flows in Boger-type fluids. *Journal of Non-Newtonian Fluid Mechanics*, **2012**, 175-176, 1-9	2.7	18
12	Compact bubble clusters in Newtonian and non-Newtonian liquids. *Physics of Fluids*, **2014**, 26, 053101	4.4	12
11	Thermocapillary flow in glass tubes coated with photoresponsive layers. *Langmuir*, **2014**, 30, 5326-36	4	10
10	On the Motion of Carbon Nanotube Clusters near Optical Fiber Tips: Thermophoresis, Radiative Pressure, and Convection Effects. *Langmuir*, **2015**, 31, 10066-75	4	8
9	Controlled Deposition of Polymer Coatings on Cylindrical Photonic Devices. *Journal of Lightwave Technology*, **2015**, 33, 176-182	4	7
8	Viscous pumping inspired by flexible propulsion. *Bioinspiration and Biomimetics*, **2014**, 9, 036007	2.6	5
7	An optopneumatic piston for microfluidics. *Lab on A Chip*, **2015**, 15, 1335-42	7.2	4
6	Photomechanical Polymer Nanocomposites for Drug Delivery Devices. *Molecules*, **2021**, 26,	4.8	2
5	Transport of Colloids along Corners: Visualization of Evaporation-Induced Flows beyond the Axisymmetric Condition. *Langmuir*, **2016**, 32, 8171-81	4	1
4	Ultra-slow and arrested density-fluctuations as precursor of spatial heterogeneity. *Physics of Fluids*, **2022**, 34, 011704	4.4	1
3	Bubble Clusters in Associative Polymers. *Environmental Science and Engineering*, **2012**, 497-498	0.2	1

2	Fiber optic probe with functional polymer composites for hyperthermia. *Biomedical Optics Express*, **2021**, 12, 4730-4744	3.5	0
1	Spatially heterogeneous dynamics and locally arrested density fluctuations from first principles. *Physics of Fluids*, **2022**, 34, 033107	4.4	0