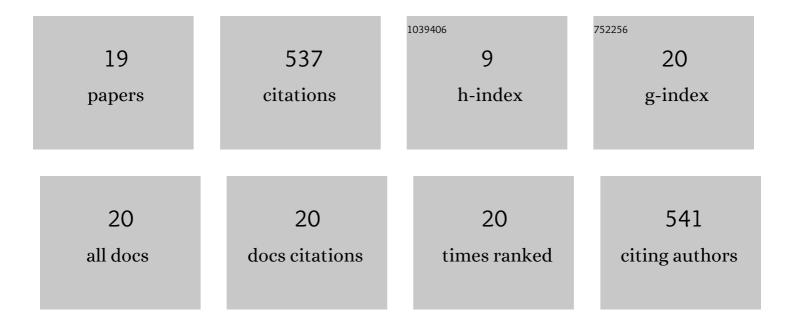
J Rodrigo Velez-Cordero

List of Publications by Year in descending order

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

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#	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