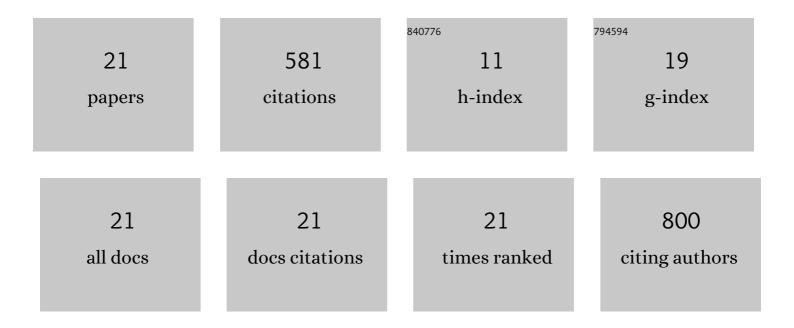
Maria Luisa Cordero

List of Publications by Year in descending order

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MARIA LIUSA CORDERO

#	Article	IF	CITATIONS
1	Formation of granular jets observed by high-speed X-ray radiography. Nature Physics, 2005, 1, 164-167.	16.7	115
2	Laser-Induced Force on a Microfluidic Drop: Origin and Magnitude. Langmuir, 2009, 25, 5127-5134.	3.5	81
3	Thermocapillary manipulation of droplets using holographic beam shaping: Microfluidic pin ball. Applied Physics Letters, 2008, 93, .	3.3	75
4	Quantitative analysis of the dripping and jetting regimes in co-flowing capillary jets. Physics of Fluids, 2011, 23, .	4.0	58
5	Time-resolved temperature rise in a thin liquid film due to laser absorption. Physical Review E, 2009, 79, 011201.	2.1	51
6	Magnetotactic bacteria in a droplet self-assemble into a rotary motor. Nature Communications, 2019, 10, 5082.	12.8	41
7	Mixing via thermocapillary generation of flow patterns inside a microfluidic drop. New Journal of Physics, 2009, 11, 075033.	2.9	37
8	Bacteria driving droplets. Soft Matter, 2020, 16, 1359-1365.	2.7	25
9	Noble microfluidic system for bioceramic nanoparticles engineering. Materials Science and Engineering C, 2019, 102, 221-227.	7.3	19
10	Effects of preparation on catalytic, magnetic and hybrid micromotors on their functional features and application in gastric cancer biomarker detection. Sensors and Actuators B: Chemical, 2020, 310, 127843.	7.8	19
11	Effect of confinement on the deformation of microfluidic drops. Physical Review E, 2014, 89, 033004.	2.1	18
12	Classical homogenization to analyse the dispersion relations of spoof plasmons with geometrical and compositional effects. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150472.	2.1	11
13	Peptide functionalized magneto-plasmonic nanoparticles obtained by microfluidics for inhibition of β-amyloid aggregation. Journal of Materials Chemistry B, 2018, 6, 5091-5099.	5.8	11
14	Resonant frequency shifts induced by a large spherical object in an air-filled acoustic cavity. Journal of the Acoustical Society of America, 2007, 121, EL244.	1.1	6
15	Study of the interaction of folic acid-modified gold nanorods and fibrinogen through microfluidics: implications for protein adsorption, incorporation and viability of cancer cells. Nanoscale, 2021, 13, 17807-17821.	5.6	4
16	Measurement of the dispersion relation of a convectively unstable capillary jet under confinement. Physics of Fluids, 2015, 27, .	4.0	3
17	Perfect Brewster transmission through ultrathin perforated films. Wave Motion, 2020, 93, 102485.	2.0	3
18	Local details versus effective medium approximation: A study of diffusion in microfluidic random networks made from Voronoi tessellations. Physical Review E, 2020, 101, 023110.	2.1	2

#	Article	IF	CITATIONS
19	Tuning the wavelength of spoof plasmons by adjusting the impedance contrast in an array of penetrable inclusions. Applied Physics Letters, 2015, 107, 084104.	3.3	2
20	Optical blocking of microfluidic droplets through laser-induced thermocapillarity. , 2009, , .		0
21	Generation and study of acoustic "spoof plasmons―in a metamaterial formed by an array of sound-soft inclusions. Proceedings of Meetings on Acoustics, 2018, , .	0.3	0