Maria Guadalupe Cabezas

List of Publications by Year
in descending order

29 papers	443 citations	759233 12 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	316 citing authors

#	Article	IF	Citations
1	On the hydrodynamic focusing for producing microemulsions via tip streaming. Journal of Fluid Mechanics, 2022, 934, .	3.4	5
2	Viscoelastic transition in transonic flow focusing. Physical Review Fluids, 2022, 7, .	2.5	3
3	Fire-Shaped Nozzles to Produce a Stress Peak for Deformability Studies. Polymers, 2022, 14, 2784.	4.5	1
4	Global stability analysis of axisymmetric liquidâ€“liquid flow focusing. Journal of Fluid Mechanics, 2021, 909, .	3.4	10
5	Transonic flow focusing: stability analysis and jet diameter. International Journal of Multiphase Flow, 2021, 142, 103720.	3.4	3
6	Capabilities and Limitations of Fire-Shaping to Produce Glass Nozzles. Materials, 2020, 13, 5477.	2.9	3
7	Whipping in gaseous flow focusing. International Journal of Multiphase Flow, 2020, 130, 103367.	3.4	9
8	A method for measuring the interfacial tension for density-matched liquids. Journal of Colloid and Interface Science, 2020, 566, 90-97.	9.4	1
9	Fire-shaped cylindrical glass micronozzles to measure cell deformability. Journal of Micromechanics and Microengineering, 2019, 29, 105001.	2.6	9
10	A new fire shaping approach to produce highly axisymmetric and reproducible nozzles. Journal of Materials Processing Technology, 2019, 270, 241-253.	6.3	7
11	Stability of a jet moving in a rectangular microchannel. Physical Review E, 2019, 100, 053104.	2.1	4
12	Borosilicate nozzles manufactured by reproducible fire shaping. Journal of Materials Processing Technology, 2018, 261, 173-183.	6.3	9
13	A novel technique to produce metallic microdrops for additive manufacturing. International Journal of Advanced Manufacturing Technology, 2014, 70, 1395-1402.	3.0	22
14	A novel technique for producing metallic microjets and microdrops. Microfluidics and Nanofluidics, 2013, 14, 101-111.	2.2	13
15	Investigation of the Neumann triangle for dodecane liquid lenses on water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 333, 12-18.	4.7	12
16	Measurement of the dynamical free surface deformation in liquid bridges. Acta Astronautica, 2008, 62, 471-477.	3.2	2
17	A new experimental technique for measuring the dynamical free surface deformation in liquid bridges due to thermal convection. Measurement Science and Technology, 2008, 19, 015410.	2.6	27
18	Computational evaluation of the theoretical image fitting analysisâ€”axisymmetric interfaces (TIFA-AI) method of measuring interfacial tension. Measurement Science and Technology, 2007, 18, 1637-1650.	2.6	12

#	Article	IF	Citations
19	An analysis of the sensitivity of pendant drops and liquid bridges to measure the interfacial tension. Measurement Science and Technology, 2007, 18, 3713-3723.	2.6	37
20	Determination of Surface Tension and Contact Angle from the Shapes of Axisymmetric Fluid Interfaces without Use of Apex Coordinates. Langmuir, 2006, 22, 10053-10060.	3.5	69
21	Measurements of Dynamic Surface Deformation in Liquid Bridges. , 2006, , .		0
22	An experimental analysis of the linear vibration of axisymmetric liquid bridges. Physics of Fluids, 2006, 18, 082105.	4.0	38
23	A new method of image processing in the analysis of axisymmetric drop shapes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 255, 193-200.	4.7	53
24	Liquid bridge equilibrium contours between non-circular supports. Microgravity Science and Technology, 2005, 17, 18-30.	1.4	14
25	On the use of liquid bridges as tensiometers. Journal of Computational Methods in Sciences and Engineering, 2004, 4, 75-85.	0.2	1
26	A new drop-shape methodology for surface tension measurement. Applied Surface Science, 2004, 238, 480-484.	6.1	36
27	Detection of liquid bridge contours and its applications. Measurement Science and Technology, 2002, 13, 829-835.	2.6	7
28	Theoretical and experimental analysis of the equilibrium contours of liquid bridges of arbitrary shape. Physics of Fluids, 2002, 14, 682-693.	4.0	30
29	Equilibrium contour of liquid bridges connected by pressure. Microgravity Science and Technology, 2002, 13, 14-23.	1.4	6