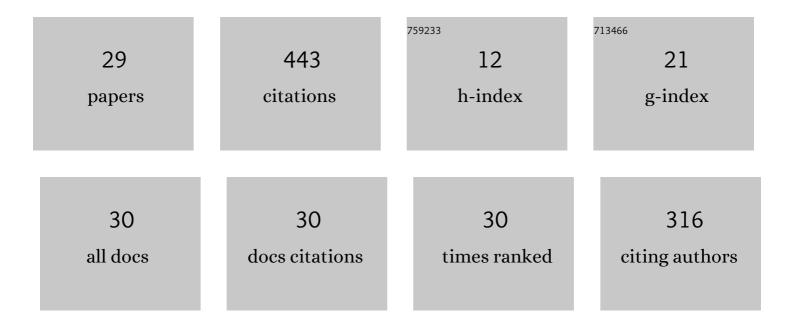
Maria Guadalupe Cabezas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	An experimental analysis of the linear vibration of axisymmetric liquid bridges. Physics of Fluids, 2006, 18, 082105.	4.0	38
4	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
5	A new drop-shape methodology for surface tension measurement. Applied Surface Science, 2004, 238, 480-484.	6.1	36
6	Theoretical and experimental analysis of the equilibrium contours of liquid bridges of arbitrary shape. Physics of Fluids, 2002, 14, 682-693.	4.0	30
7	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
8	A novel technique to produce metallic microdrops for additive manufacturing. International Journal of Advanced Manufacturing Technology, 2014, 70, 1395-1402.	3.0	22
9	Liquid bridge equilibrium contours between non-circular supports. Microgravity Science and Technology, 2005, 17, 18-30.	1.4	14
10	A novel technique for producing metallic microjets and microdrops. Microfluidics and Nanofluidics, 2013, 14, 101-111.	2.2	13
11	Computational evaluation of the theoretical image fitting analysis—axisymmetric interfaces (TIFA-AI) method of measuring interfacial tension. Measurement Science and Technology, 2007, 18, 1637-1650.	2.6	12
12	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
13	Global stability analysis of axisymmetric liquid–liquid flow focusing. Journal of Fluid Mechanics, 2021, 909, .	3.4	10
14	Borosilicate nozzles manufactured by reproducible fire shaping. Journal of Materials Processing Technology, 2018, 261, 173-183.	6.3	9
15	Fire-shaped cylindrical glass micronozzles to measure cell deformability. Journal of Micromechanics and Microengineering, 2019, 29, 105001.	2.6	9
16	Whipping in gaseous flow focusing. International Journal of Multiphase Flow, 2020, 130, 103367.	3.4	9
17	Detection of liquid bridge contours and its applications. Measurement Science and Technology, 2002, 13, 829-835.	2.6	7
18	A new fire shaping approach to produce highly axisymmetric and reproducible nozzles. Journal of Materials Processing Technology, 2019, 270, 241-253.	6.3	7

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#	Article	IF	CITATIONS
19	Equilibrium contour of liquid bridges connected by pressure. Microgravity Science and Technology, 2002, 13, 14-23.	1.4	6
20	On the hydrodynamic focusing for producing microemulsions via tip streaming. Journal of Fluid Mechanics, 2022, 934, .	3.4	5
21	Stability of a jet moving in a rectangular microchannel. Physical Review E, 2019, 100, 053104.	2.1	4
22	Capabilities and Limitations of Fire-Shaping to Produce Glass Nozzles. Materials, 2020, 13, 5477.	2.9	3
23	Transonic flow focusing: stability analysis and jet diameter. International Journal of Multiphase Flow, 2021, 142, 103720.	3.4	3
24	Viscoelastic transition in transonic flow focusing. Physical Review Fluids, 2022, 7, .	2.5	3
25	Measurement of the dynamical free surface deformation in liquid bridges. Acta Astronautica, 2008, 62, 471-477.	3.2	2
26	On the use of liquid bridges as tensiometers. Journal of Computational Methods in Sciences and Engineering, 2004, 4, 75-85.	0.2	1
27	A method for measuring the interfacial tension for density-matched liquids. Journal of Colloid and Interface Science, 2020, 566, 90-97.	9.4	1
28	Fire-Shaped Nozzles to Produce a Stress Peak for Deformability Studies. Polymers, 2022, 14, 2784.	4.5	1
29	Measurements of Dynamic Surface Deformation in Liquid Bridges. , 2006, , .		Ο