# 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 | 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 analysisâ€"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 liquidâ€"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 |

| # | 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, , . | | 0 |