

Patrícia C Sousa

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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citations

516710

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610901

24
g-index

24
all docs

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docs citations

24
times ranked

792
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Extensional flow of blood analog solutions in microfluidic devices. <i>Biomicrofluidics</i> , 2011, 5, 14108. | 2.4 | 99 |
| 2 | Organ-on-a-Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. <i>Small</i> , 2020, 16, e2003517. | 10.0 | 80 |
| 3 | Investigating the stability of viscoelastic stagnation flows in T-shaped microchannels. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 163, 9-24. | 2.4 | 73 |
| 4 | Efficient microfluidic rectifiers for viscoelastic fluid flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 652-671. | 2.4 | 65 |
| 5 | Viscoelastic instabilities in micro-scale flows. <i>Experimental Thermal and Fluid Science</i> , 2014, 59, 128-139. | 2.7 | 60 |
| 6 | Shear viscosity and nonlinear behavior of whole blood under large amplitude oscillatory shear. <i>Biorheology</i> , 2013, 50, 269-282. | 0.4 | 57 |
| 7 | Measurement of relaxation times in extensional flow of weakly viscoelastic polymer solutions. <i>Rheologica Acta</i> , 2017, 56, 11-20. | 2.4 | 57 |
| 8 | Purely elastic flow instabilities in microscale cross-slot devices. <i>Soft Matter</i> , 2015, 11, 8856-8862. | 2.7 | 51 |
| 9 | A review of hemorheology: Measuring techniques and recent advances. <i>Korea Australia Rheology Journal</i> , 2016, 28, 1-22. | 1.7 | 43 |
| 10 | Purely-elastic flow instabilities and elastic turbulence in microfluidic cross-slot devices. <i>Soft Matter</i> , 2018, 14, 1344-1354. | 2.7 | 43 |
| 11 | Three-dimensional flow of Newtonian and Boger fluids in square-square contractions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 160, 122-139. | 2.4 | 39 |
| 12 | Effect of the contraction ratio upon viscoelastic fluid flow in three-dimensional square-square contractions. <i>Chemical Engineering Science</i> , 2011, 66, 998-1009. | 3.8 | 32 |
| 13 | Injection molding of high-precision optical lenses: A review. <i>Precision Engineering</i> , 2022, 76, 29-51. | 3.4 | 29 |
| 14 | In vitro blood flow and cell-free layer in hyperbolic microchannels: Visualizations and measurements. <i>Biochip Journal</i> , 2016, 10, 9-15. | 4.9 | 28 |
| 15 | Rheological behavior of human blood in uniaxial extensional flow. <i>Journal of Rheology</i> , 2018, 62, 447-456. | 2.6 | 22 |
| 16 | Laminar flow in three-dimensional square-square expansions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 1033-1048. | 2.4 | 20 |
| 17 | High performance microfluidic rectifiers for viscoelastic fluid flow. <i>RSC Advances</i> , 2012, 2, 920-929. | 3.6 | 16 |
| 18 | Blood Flow Visualization and Measurements in Microfluidic Devices Fabricated by a Micromilling Technique. <i>Micro and Nanosystems</i> , 2016, 7, 148-153. | 0.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Broadband and Omnidirectional Antireflection Surfaces Based on Deep Subwavelength Features for Harvesting of the Solar Energy. <i>Solar Rrl</i> , 2021, 5, 2100548. | 5.8 | 8 |
| 20 | Near-Field Optical Excitations in Silicon Subwavelength Light Funnel Arrays for Broadband Absorption of the Solar Radiation. <i>Solar Rrl</i> , 2021, 5, 2100721. | 5.8 | 8 |
| 21 | Development of Highly Sensitive Temperature Microsensors for Localized Measurements. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3864. | 2.5 | 6 |
| 22 | Viscoelastic Fluid Flow Through 3D Square-Square Expansions. <i>AIP Conference Proceedings</i> , 2008, , . | 0.4 | 1 |
| 23 | Incorporation of nano-features into surface photoactive arrays for broadband absorption of the solar radiation. <i>Solar Energy Materials and Solar Cells</i> , 2022, 245, 111864. | 6.2 | 1 |