

Patrícia C Sousa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3806290/publications.pdf>

Version: 2024-02-01

23
papers

849
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

792
citing authors

#	ARTICLE	IF	CITATIONS
1	Injection molding of high-precision optical lenses: A review. <i>Precision Engineering</i> , 2022, 76, 29-51.	3.4	29
2	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
3	Development of Highly Sensitive Temperature Microsensors for Localized Measurements. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3864.	2.5	6
4	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
5	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
6	Organ-on-a-Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. <i>Small</i> , 2020, 16, e2003517.	10.0	80
7	Purely-elastic flow instabilities and elastic turbulence in microfluidic cross-slot devices. <i>Soft Matter</i> , 2018, 14, 1344-1354.	2.7	43
8	Rheological behavior of human blood in uniaxial extensional flow. <i>Journal of Rheology</i> , 2018, 62, 447-456.	2.6	22
9	Measurement of relaxation times in extensional flow of weakly viscoelastic polymer solutions. <i>Rheologica Acta</i> , 2017, 56, 11-20.	2.4	57
10	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
11	A review of hemorheology: Measuring techniques and recent advances. <i>Korea Australia Rheology Journal</i> , 2016, 28, 1-22.	1.7	43
12	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
13	Purely elastic flow instabilities in microscale cross-slot devices. <i>Soft Matter</i> , 2015, 11, 8856-8862.	2.7	51
14	Viscoelastic instabilities in micro-scale flows. <i>Experimental Thermal and Fluid Science</i> , 2014, 59, 128-139.	2.7	60
15	Shear viscosity and nonlinear behavior of whole blood under large amplitude oscillatory shear. <i>Biorheology</i> , 2013, 50, 269-282.	0.4	57
16	High performance microfluidic rectifiers for viscoelastic fluid flow. <i>RSC Advances</i> , 2012, 2, 920-929.	3.6	16
17	Laminar flow in three-dimensional square-square expansions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 1033-1048.	2.4	20
18	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

#	ARTICLE	IF	CITATIONS
19	Extensional flow of blood analog solutions in microfluidic devices. <i>Biomicrofluidics</i> , 2011, 5, 14108.	2.4	99
20	Efficient microfluidic rectifiers for viscoelastic fluid flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 652-671.	2.4	65
21	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
22	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
23	Viscoelastic Fluid Flow Through 3D Square-Square Expansions. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1