

Raquel O Rodrigues

List of Publications by Year in descending order

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papers

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32
times ranked

966
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood Cells Separation and Sorting Techniques of Passive Microfluidic Devices: From Fabrication to Applications. <i>Micromachines</i> , 2019, 10, 593.	2.9	101
2	Organ-on-a-Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. <i>Small</i> , 2020, 16, e2003517.	10.0	80
3	Deformation of Red Blood Cells, Air Bubbles, and Droplets in Microfluidic Devices: Flow Visualizations and Measurements. <i>Micromachines</i> , 2018, 9, 151.	2.9	70
4	A simple microfluidic device for the deformability assessment of blood cells in a continuous flow. <i>Biomedical Microdevices</i> , 2015, 17, 108.	2.8	61
5	3D Printing Techniques and Their Applications to Organ-on-a-Chip Platforms: A Systematic Review. <i>Sensors</i> , 2021, 21, 3304.	3.8	60
6	A Heart-Breast Cancer-on-a-Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy. <i>Small</i> , 2021, 17, e2004258.	10.0	57
7	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , 2018, 93, 206-217.	7.3	56
8	A Rapid and Low-Cost Nonlithographic Method to Fabricate Biomedical Microdevices for Blood Flow Analysis. <i>Micromachines</i> , 2015, 6, 121-135.	2.9	50
9	A Microfluidic Deformability Assessment of Pathological Red Blood Cells Flowing in a Hyperbolic Converging Microchannel. <i>Micromachines</i> , 2019, 10, 645.	2.9	48
10	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	46
11	Recent advances on the thermal properties and applications of nanofluids: From nanomedicine to renewable energies. <i>Applied Thermal Engineering</i> , 2022, 201, 117725.	6.0	46
12	Red blood cells radial dispersion in blood flowing through microchannels: The role of temperature. <i>Journal of Biomechanics</i> , 2016, 49, 2293-2298.	2.1	29
13	Polymer microfluidic devices: an overview of fabrication methods. <i>U Porto Journal of Engineering</i> , 2015, 1, 67-79.	0.4	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	Organ-on-a-Chip Platforms for Drug Screening and Delivery in Tumor Cells: A Systematic Review. <i>Cancers</i> , 2022, 14, 935.	3.7	27
16	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 645-657.	20.2	26
17	Wall expansion assessment of an intracranial aneurysm model by a 3D Digital Image Correlation System. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 88, 262-270.	5.0	24
18	Low cost microfluidic device for partial cell separation: Micromilling approach. , 2015, , .		22

#	ARTICLE	IF	CITATIONS
19	Flexible and Stretchable PEDOT-Embedded Hybrid Substrates for Bioengineering and Sensory Applications. ChemNanoMat, 2019, 5, 729-737.	2.8	15
20	Graphene-Based Magnetic Nanoparticles for Theranostics: An Overview for Their Potential in Clinical Application. Nanomaterials, 2021, 11, 1073.	4.1	15
21	Computational Simulations in Advanced Microfluidic Devices: A Review. Micromachines, 2021, 12, 1149.	2.9	15
22	Recent trends of biomaterials and biosensors for organ-on-chip platforms. Bioprinting, 2022, 26, e00202.	5.8	13
23	The integration of spheroids and organoids into organ-on-a-chip platforms for tumour research: A review. Bioprinting, 2022, 27, e00224.	5.8	10
24	Carbon-Based Magnetic Nanocarrier for Controlled Drug Release: A Green Synthesis Approach. Journal of Carbon Research, 2019, 5, 1.	2.7	9
25	Simple Methodology for the Quantitative Analysis of Fatty Acids in Human Red Blood Cells. Chromatographia, 2015, 78, 1271-1281.	1.3	6
26	Development of Highly Sensitive Temperature Microsensors for Localized Measurements. Applied Sciences (Switzerland), 2021, 11, 3864.	2.5	6
27	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. Journal of Carbon Research, 2018, 4, 55.	2.7	4
28	Cell-free layer analysis in a polydimethylsiloxane microchannel: a global approach. International Journal of Medical Engineering and Informatics, 2016, 8, 196.	0.3	1
29	Haemocompatibility test of simple Magnetic Nanoparticles using the distribution of deformed RBCs. , 2019, , .		1
30	Thermal Infrared Image Processing to Assess Heat Generated by Magnetic Nanoparticles for Hyperthermia Applications. Lecture Notes in Computer Science, 2015, , 25-34.	1.3	1
31	Organ-on-a-Chip: A Heart-Breast Cancer-on-a-Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy (Small 15/2021). Small, 2021, 17, 2170070.	10.0	0
32	Magnetic Carbon Nanostructures and Study of Their Transport in Microfluidic Devices for Hyperthermia. IFMBE Proceedings, 2020, , 1901-1918.	0.3	0