Raquel O Rodrigues

List of Publications by Year
in descending order

32 papers	956 citations	471509 17 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	966 citing authors

#	Article	IF	Citations
1	Recent advances on the thermal properties and applications of nanofluids: From nanomedicine to renewable energies. Applied Thermal Engineering, 2022, 201, 117725.	6.0	46
2	Organ-on-a-Chip Platforms for Drug Screening and Delivery in Tumor Cells: A Systematic Review. Cancers, 2022, 14, 935.	3.7	27
3	Recent trends of biomaterials and biosensors for organ-on-chip platforms. Bioprinting, 2022, 26, e00202.	5.8	13
4	The integration of spheroids and organoids into organ-on-a-chip platforms for tumour research: A review. Bioprinting, 2022, 27, e00224.	5.8	10
5	A Heartâ€Breast Cancerâ€onâ€aâ€Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy. Small, 2021, 17, e2004258.	10.0	57
6	Graphene-Based Magnetic Nanoparticles for Theranostics: An Overview for Their Potential in Clinical Application. Nanomaterials, 2021, 11, 1073.	4.1	15
7	Organâ€onâ€aâ€Chip: A Heartâ€Breast Cancerâ€onâ€aâ€Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy (Small 15/2021). Small, 2021, 17, 2170070.	10.0	0
8	Development of Highly Sensitive Temperature Microsensors for Localized Measurements. Applied Sciences (Switzerland), 2021, 11, 3864.	2.5	6
9	3D Printing Techniques and Their Applications to Organ-on-a-Chip Platforms: A Systematic Review. Sensors, 2021, 21, 3304.	3.8	60
10	Computational Simulations in Advanced Microfluidic Devices: A Review. Micromachines, 2021, 12, 1149.	2.9	15
11	Organâ€onâ€aâ€Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. Small, 2020, 16, e2003517.	10.0	80
12	Magnetic Carbon Nanostructures and Study of Their Transport in Microfluidic Devices for Hyperthermia. IFMBE Proceedings, 2020, , 1901-1918.	0.3	0
13	A Microfluidic Deformability Assessment of Pathological Red Blood Cells Flowing in a Hyperbolic Converging Microchannel. Micromachines, 2019, 10, 645.	2.9	48
14	Blood Cells Separation and Sorting Techniques of Passive Microfluidic Devices: From Fabrication to Applications. Micromachines, 2019, 10, 593.	2.9	101
15	Flexible and Stretchable PEDOTâ€Embedded Hybrid Substrates for Bioengineering and Sensory Applications. ChemNanoMat, 2019, 5, 729-737.	2.8	15
16	Haemocompatibility test of simple Magnetic Nanoparticles using the distribution of deformed RBCs. , 2019, , .		1
17	Carbon-Based Magnetic Nanocarrier for Controlled Drug Release: A Green Synthesis Approach. Journal of Carbon Research, 2019, 5, 1.	2.7	9
18	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. Journal of Carbon Research, 2018, 4, 55.	2.7	4

#	Article	IF	Citations
19	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. Materials Science and Engineering C, 2018, 93, 206-217.	7.3	56
20	Deformation of Red Blood Cells, Air Bubbles, and Droplets in Microfluidic Devices: Flow Visualizations and Measurements. Micromachines, 2018, 9, 151.	2.9	70
21	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. Applied Catalysis B: Environmental, 2017, 219, 645-657.	20.2	26
22	In vitro blood flow and cell-free layer in hyperbolic microchannels: Visualizations and measurements. Biochip Journal, 2016, 10, 9-15.	4.9	28
23	Cell-free layer analysis in a polydimethysiloxane microchannel: a global approach. International Journal of Medical Engineering and Informatics, 2016, 8, 196.	0.3	1
24	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	46
25	Wall expansion assessment of an intracranial aneurysm model by a 3D Digital Image Correlation System. Measurement: Journal of the International Measurement Confederation, 2016, 88, 262-270.	5.0	24
26	Red blood cells radial dispersion in blood flowing through microchannels: The role of temperature. Journal of Biomechanics, 2016, 49, 2293-2298.	2.1	29
27	A Rapid and Low-Cost Nonlithographic Method to Fabricate Biomedical Microdevices for Blood Flow Analysis. Micromachines, 2015, 6, 121-135.	2.9	50
28	A simple microfluidic device for the deformability assessment of blood cells in a continuous flow. Biomedical Microdevices, 2015, 17, 108.	2.8	61
29	Low cost microfluidic device for partial cell separation: Micromilling approach. , 2015, , .		22
30	Simple Methodology for the Quantitative Analysis of Fatty Acids in Human Red Blood Cells. Chromatographia, 2015, 78, 1271-1281.	1.3	6
31	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
32	Polymer microfluidic devices: an overview of fabrication methods. U Porto Journal of Engineering, 2015, 1, 67-79.	0.4	29