

Raquel O Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

956
citations

535685

17
h-index

563245

28
g-index

32
all docs

32
docs citations

32
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances on the thermal properties and applications of nanofluids: From nanomedicine to renewable energies. <i>Applied Thermal Engineering</i> , 2022, 201, 117725.	3.0	46
2	Organ-on-a-Chip Platforms for Drug Screening and Delivery in Tumor Cells: A Systematic Review. <i>Cancers</i> , 2022, 14, 935.	1.7	27
3	Recent trends of biomaterials and biosensors for organ-on-chip platforms. <i>Bioprinting</i> , 2022, 26, e00202.	2.9	13
4	The integration of spheroids and organoids into organ-on-a-chip platforms for tumour research: A review. <i>Bioprinting</i> , 2022, 27, e00224.	2.9	10
5	A Heartâ€Breast Cancerâ€onâ€aâ€Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy. <i>Small</i> , 2021, 17, e2004258.	5.2	57
6	Graphene-Based Magnetic Nanoparticles for Theranostics: An Overview for Their Potential in Clinical Application. <i>Nanomaterials</i> , 2021, 11, 1073.	1.9	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). <i>Small</i> , 2021, 17, 2170070.	5.2	0
8	Development of Highly Sensitive Temperature Microsensors for Localized Measurements. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3864.	1.3	6
9	3D Printing Techniques and Their Applications to Organ-on-a-Chip Platforms: A Systematic Review. <i>Sensors</i> , 2021, 21, 3304.	2.1	60
10	Computational Simulations in Advanced Microfluidic Devices: A Review. <i>Micromachines</i> , 2021, 12, 1149.	1.4	15
11	Organâ€onâ€aâ€Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. <i>Small</i> , 2020, 16, e2003517.	5.2	80
12	Magnetic Carbon Nanostructures and Study of Their Transport in Microfluidic Devices for Hyperthermia. <i>IFMBE Proceedings</i> , 2020, , 1901-1918.	0.2	0
13	A Microfluidic Deformability Assessment of Pathological Red Blood Cells Flowing in a Hyperbolic Converging Microchannel. <i>Micromachines</i> , 2019, 10, 645.	1.4	48
14	Blood Cells Separation and Sorting Techniques of Passive Microfluidic Devices: From Fabrication to Applications. <i>Micromachines</i> , 2019, 10, 593.	1.4	101
15	Flexible and Stretchable PEDOTâ€Embedded Hybrid Substrates for Bioengineering and Sensory Applications. <i>ChemNanoMat</i> , 2019, 5, 729-737.	1.5	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. <i>Journal of Carbon Research</i> , 2019, 5, 1.	1.4	9
18	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. <i>Journal of Carbon Research</i> , 2018, 4, 55.	1.4	4

#	ARTICLE	IF	CITATIONS
19	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.	3.8	56
20	Deformation of Red Blood Cells, Air Bubbles, and Droplets in Microfluidic Devices: Flow Visualizations and Measurements. <i>Micromachines</i> , 2018, 9, 151.	1.4	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. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 645-657.	10.8	26
22	In vitro blood flow and cell-free layer in hyperbolic microchannels: Visualizations and measurements. <i>Biochip Journal</i> , 2016, 10, 9-15.	2.5	28
23	Cell-free layer analysis in a polydimethylsiloxane microchannel: a global approach. <i>International Journal of Medical Engineering and Informatics</i> , 2016, 8, 196.	0.2	1
24	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	46
25	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.	2.5	24
26	Red blood cells radial dispersion in blood flowing through microchannels: The role of temperature. <i>Journal of Biomechanics</i> , 2016, 49, 2293-2298.	0.9	29
27	A Rapid and Low-Cost Nonlithographic Method to Fabricate Biomedical Microdevices for Blood Flow Analysis. <i>Micromachines</i> , 2015, 6, 121-135.	1.4	50
28	A simple microfluidic device for the deformability assessment of blood cells in a continuous flow. <i>Biomedical Microdevices</i> , 2015, 17, 108.	1.4	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. <i>Chromatographia</i> , 2015, 78, 1271-1281.	0.7	6
31	Thermal Infrared Image Processing to Assess Heat Generated by Magnetic Nanoparticles for Hyperthermia Applications. <i>Lecture Notes in Computer Science</i> , 2015, , 25-34.	1.0	1
32	Polymer microfluidic devices: an overview of fabrication methods. <i>U Porto Journal of Engineering</i> , 2015, 1, 67-79.	0.2	29