Sina Kheiri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7149773/publications.pdf

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16	583	686830 13	887659 17
papers	citations	h-index	g-index

17	17	17	605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Permeability and mechanical properties of gradient porous PDMS scaffolds fabricated by 3D-printed sacrificial templates designed with minimal surfaces. Acta Biomaterialia, 2019, 96, 149-160.	4.1	139
2	Actuation of Threeâ€Dimensionalâ€Printed Nanocolloidal Hydrogel with Structural Anisotropy. Advanced Functional Materials, 2021, 31, 2010743.	7.8	59
3	Selfâ€Driving Platform for Metal Nanoparticle Synthesis: Combining Microfluidics and Machine Learning. Advanced Functional Materials, 2021, 31, 2106725.	7.8	57
4	An integrated microfluidic flow-focusing platform for on-chip fabrication and filtration of cell-laden microgels. Lab on A Chip, 2019, 19, 1621-1632.	3.1	48
5	Microfluidic Arrays of Breast Tumor Spheroids for Drug Screening and Personalized Cancer Therapies. Advanced Healthcare Materials, 2022, 11, e2101085.	3.9	48
6	Nanoparticles at biointerfaces: Antibacterial activity and nanotoxicology. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110550.	2.5	39
7	Toward a living soft microrobot through optogenetic locomotion control of Caenorhabditis elegans. Science Robotics, 2021, 6, .	9.9	33
8	Nanocolloidal Hydrogel with Sensing and Antibacterial Activities Governed by Iron Ion Sequestration. Chemistry of Materials, 2020, 32, 10066-10075.	3.2	32
9	Trends in Droplet Microfluidics: From Droplet Generation to Biomedical Applications. Langmuir, 2022, 38, 6233-6248.	1.6	30
10	Structurally anisotropic hydrogels for tissue engineering. Trends in Chemistry, 2021, 3, 1002-1026.	4.4	28
11	Nanostructured Temperature Indicator for Cold Chain Logistics. ACS Nano, 2022, 16, 8641-8650.	7.3	17
12	Microfluidic arrays of dermal spheroids: a screening platform for active ingredients of skincare products. Lab on A Chip, 2021, 21, 3952-3962.	3.1	15
13	Antibacterial efficiency assessment of polymer-nanoparticle composites using a high-throughput microfluidic platform. Materials Science and Engineering C, 2020, 111, 110754.	3.8	13
14	Angiogenic Sprouting Dynamics Mediated by Endothelialâ€Fibroblast Interactions in Microfluidic Systems. Advanced Biology, 2021, 5, e2101080.	1.4	8
15	Computational Modelling and Big Data Analysis of Flow and Drug Transport in Microfluidic Systems: A Spheroid-on-a-Chip Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 781566.	2.0	8
16	Optical Printing of Conductive Silver on Ultrasmooth Nanocellulose Paper for Flexible Electronics. Advanced Engineering Materials, 2022, 24, .	1.6	8