

Shaohua

List of Publications by Year in descending order

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17
papers

942
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840119

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887659

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all docs

18
docs citations

18
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	25th Anniversary Article: Designer Hydrogels for Cell Cultures: A Materials Selection Guide. <i>Advanced Materials</i> , 2014, 26, 125-148.	11.1	368
2	Fabrication of Microgel Particles with Complex Shape via Selective Polymerization of Aqueous Two-Phase Systems. <i>Small</i> , 2012, 8, 2356-2360.	5.2	121
3	On the flow topology inside droplets moving in rectangular microchannels. <i>Lab on A Chip</i> , 2014, 14, 3611-3620.	3.1	91
4	Intelligent Microfluidics: The Convergence of Machine Learning and Microfluidics in Materials Science and Biomedicine. <i>Matter</i> , 2020, 3, 1893-1922.	5.0	85
5	Monodisperse collagen-gelatin beads as potential platforms for 3D cell culturing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5128.	2.9	75
6	An Automated Organoid Platform with Inter-organoid Homogeneity and Inter-patient Heterogeneity. <i>Cell Reports Medicine</i> , 2020, 1, 100161.	3.3	51
7	Deformation of double emulsions under conditions of flow cytometry hydrodynamic focusing. <i>Lab on A Chip</i> , 2015, 15, 4291-4301.	3.1	27
8	The microenvironment of double emulsions in rectangular microchannels. <i>Lab on A Chip</i> , 2015, 15, 2327-2334.	3.1	26
9	Vascularized Tumor Spheroid-on-a-Chip Model Verifies Synergistic Vasoprotective and Chemotherapeutic Effects. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1215-1225.	2.6	24
10	A Learning-Based Model to Evaluate Hospitalization Priority in COVID-19 Pandemics. <i>Patterns</i> , 2020, 1, 100092.	3.1	20
11	Augmenting vascular disease diagnosis by vasculature-aware unsupervised learning. <i>Nature Machine Intelligence</i> , 2020, 2, 337-346.	8.3	13
12	Microfluidics Fabrication of Soft Microtissues and Bottom-up Assembly. <i>Advanced Biology</i> , 2018, 2, 1800119.	3.0	10
13	Microfluidic Synthesis of Injectable Angiogenic Microgels. <i>Cell Reports Physical Science</i> , 2020, 1, 100047.	2.8	10
14	Microfluidics tubing as a synthesizer for ordered microgel networks. <i>Soft Matter</i> , 2019, 15, 3848-3853.	1.2	8
15	Water-Templated, Polysaccharide-rich Bioartificial 3D Microarchitectures as Extra-Cellular Matrix Bioautomatons. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20912-20921.	4.0	7
16	Engineering inverse opals with enclosed voids via Bottom-up assembly of double emulsions. <i>Chemical Engineering Science</i> , 2019, 205, 414-419.	1.9	3
17	Gelatin-based microfluidics device with the feature sizes smaller than 100 μm for production of oil-in-water emulsions. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	3