Siwei Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8864425/publications.pdf

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28	1,017	471061 17	610482 24
papers	citations	h-index	g-index

28	28	28	1911
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directed assembly of bio-inspired hierarchical materials with controlled nanofibrillar architectures. Nature Nanotechnology, 2017, 12, 474-480.	15.6	134
2	Highâ€Strength, Durable Allâ€Silk Fibroin Hydrogels with Versatile Processability toward Multifunctional Applications. Advanced Functional Materials, 2018, 28, 1704757.	7.8	133
3	Bio-functionalized silk hydrogel microfluidic systems. Biomaterials, 2016, 93, 60-70.	5.7	101
4	Programmable Hydrogel Ionic Circuits for Biologically Matched Electronic Interfaces. Advanced Materials, 2018, 30, e1800598.	11.1	98
5	Endogenous electric currents might guide rostral migration of neuroblasts. EMBO Reports, 2013, 14, 184-190.	2.0	85
6	Biomedical applications of electrical stimulation. Cellular and Molecular Life Sciences, 2020, 77, 2681-2699.	2.4	75
7	Direct projection on dry-film photoresist (DP2): do-it-yourself three-dimensional polymer microfluidics. Lab on A Chip, 2009, 9, 1128.	3.1	59
8	A large-scale screen reveals genes that mediate electrotaxis in Dictyostelium discoideum. Science Signaling, 2015, 8, ra50.	1.6	39
9	Multifunctional Bioreactor System for Human Intestine Tissues. ACS Biomaterials Science and Engineering, 2018, 4, 231-239.	2.6	37
10	Lab-on-a-print: from a single polymer film to three-dimensional integrated microfluidics. Lab on A Chip, 2009, 9, 1133.	3.1	36
11	3D Printing of Functional Microalgal Silk Structures for Environmental Applications. ACS Biomaterials Science and Engineering, 2019, 5, 4808-4816.	2.6	32
12	Biomaterialâ€Based â€œStructured Opalsâ€•with Programmable Combination of Diffractive Optical Elements and Photonic Bandgap Effects. Advanced Materials, 2019, 31, e1805312.	11.1	32
13	Bubble formation on superhydrophobic-micropatterned copper surfaces. Applied Thermal Engineering, 2012, 35, 112-119.	3.0	31
14	Stereomask lithography (SML): a universal multi-object micro-patterning technique for biological applications. Lab on A Chip, 2011, 11, 224-230.	3.1	25
15	ElectroTaxis-on-a-Chip (ETC): an integrated quantitative high-throughput screening platform for electrical field-directed cell migration. Lab on A Chip, 2014, 14, 4398-4405.	3.1	22
16	Microfluidic Print-to-Synthesis Platform for Efficient Preparation and Screening of Combinatorial Peptide Microarrays. Analytical Chemistry, 2018, 90, 5833-5840.	3.2	18
17	A Hydrogel Ionic Circuit Based Highâ€Intensity Iontophoresis Device for Intraocular Macromolecule and Nanoparticle Delivery. Advanced Materials, 2022, 34, e2107315.	11.1	18
18	Evaluation of Silk Inverse Opals for â€œSmartâ€•Tissue Culture. ACS Omega, 2017, 2, 470-477.	1.6	13

#	Article	IF	Citations
19	Polarizing intestinal epithelial cells electrically through Ror2. Journal of Cell Science, 2014, 127, 3233-9.	1.2	12
20	Combinatorial Peptide Microarray Synthesis Based on Microfluidic Impact Printing. ACS Combinatorial Science, 2019, 21, 6-10.	3.8	9
21	Linearity and dissociative antigen noise analyses of competitive microfluidic heterogeneous immunoadsorption. Biomedical Microdevices, 2008, 10, 519-529.	1.4	3
22	Print-to-print: a facile multi-object micro-patterning technique. Biomedical Microdevices, 2013, 15, 233-240.	1.4	2
23	Stereomask Lithography for Multi-Protein Patterning. Methods in Cell Biology, 2014, 119, 175-192.	0.5	2
24	Print-to-Print. Methods in Cell Biology, 2014, 119, 219-233.	0.5	1
25	Stereomask Lithography for multi-object bio-patterning. , 2011, , .		0
26	Print-to-Print: A facile flexible multi-object patterning process using superhydrophobic films. , 2013, , .		0
27	Hierarchical Opals: Biomaterial-Based â€œStructured Opalsâ€•with Programmable Combination of Diffractive Optical Elements and Photonic Bandgap Effects (Adv. Mater. 5/2019). Advanced Materials, 2019, 31, 1970030.	11.1	0
28	Polarizing intestinal epithelial cells electrically through Ror2. Development (Cambridge), 2014, 141, e1605-e1605.	1.2	0