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	A Hydrogel Ionic Circuit Based Highâ€Intensity Iontophoresis Device for Intraocular Macromolecule and Nanoparticle Delivery. Advanced Materials, 2022, 34, e2107315.	11.1	18
2	Biomedical applications of electrical stimulation. Cellular and Molecular Life Sciences, 2020, 77, 2681-2699.	2.4	75
3	3D Printing of Functional Microalgal Silk Structures for Environmental Applications. ACS Biomaterials Science and Engineering, 2019, 5, 4808-4816.	2.6	32
4	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
5	Combinatorial Peptide Microarray Synthesis Based on Microfluidic Impact Printing. ACS Combinatorial Science, 2019, 21, 6-10.	3.8	9
6	Biomaterialâ€Based â€œStructured Opalsâ€•with Programmable Combination of Diffractive Optical Elements and Photonic Bandgap Effects. Advanced Materials, 2019, 31, e1805312.	11.1	32
7	Microfluidic Print-to-Synthesis Platform for Efficient Preparation and Screening of Combinatorial Peptide Microarrays. Analytical Chemistry, 2018, 90, 5833-5840.	3.2	18
8	Highâ€Strength, Durable Allâ€Silk Fibroin Hydrogels with Versatile Processability toward Multifunctional Applications. Advanced Functional Materials, 2018, 28, 1704757.	7.8	133
9	Programmable Hydrogel Ionic Circuits for Biologically Matched Electronic Interfaces. Advanced Materials, 2018, 30, e1800598.	11.1	98
10	Multifunctional Bioreactor System for Human Intestine Tissues. ACS Biomaterials Science and Engineering, 2018, 4, 231-239.	2.6	37
11	Directed assembly of bio-inspired hierarchical materials with controlled nanofibrillar architectures. Nature Nanotechnology, 2017, 12, 474-480.	15.6	134
12	Evaluation of Silk Inverse Opals for â€œSmartâ€•Tissue Culture. ACS Omega, 2017, 2, 470-477.	1.6	13
13	Bio-functionalized silk hydrogel microfluidic systems. Biomaterials, 2016, 93, 60-70.	5.7	101
14	A large-scale screen reveals genes that mediate electrotaxis in Dictyostelium discoideum. Science Signaling, 2015, 8, ra50.	1.6	39
15	Polarizing intestinal epithelial cells electrically through Ror2. Journal of Cell Science, 2014, 127, 3233-9.	1.2	12
16	Stereomask Lithography for Multi-Protein Patterning. Methods in Cell Biology, 2014, 119, 175-192.	0.5	2
17	Print-to-Print. Methods in Cell Biology, 2014, 119, 219-233.	0.5	1
18	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

#	Article	IF	Citations
19	Polarizing intestinal epithelial cells electrically through Ror2. Development (Cambridge), 2014, 141, e1605-e1605.	1.2	0
20	Print-to-print: a facile multi-object micro-patterning technique. Biomedical Microdevices, 2013, 15, 233-240.	1.4	2
21	Print-to-Print: A facile flexible multi-object patterning process using superhydrophobic films. , 2013, , .		0
22	Endogenous electric currents might guide rostral migration of neuroblasts. EMBO Reports, 2013, 14, 184-190.	2.0	85
23	Bubble formation on superhydrophobic-micropatterned copper surfaces. Applied Thermal Engineering, 2012, 35, 112-119.	3.0	31
24	Stereomask Lithography for multi-object bio-patterning. , 2011, , .		0
25	Stereomask lithography (SML): a universal multi-object micro-patterning technique for biological applications. Lab on A Chip, 2011, 11, 224-230.	3.1	25
26	Lab-on-a-print: from a single polymer film to three-dimensional integrated microfluidics. Lab on A Chip, 2009, 9, 1133.	3.1	36
27	Direct projection on dry-film photoresist (DP2): do-it-yourself three-dimensional polymer microfluidics. Lab on A Chip, 2009, 9, 1128.	3.1	59
28	Linearity and dissociative antigen noise analyses of competitive microfluidic heterogeneous immunoadsorption. Biomedical Microdevices, 2008, 10, 519-529.	1.4	3