Elliot E Hui

List of Publications by Year
in descending order

28 papers	1,119 citations	623734 14 h-index	552781 26 g-index
28 all docs	28 docs citations	28 times ranked	1892 citing authors

#	Article	IF	Citations
1	Micromechanical control of cell-cell interactions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5722-5726.	7.1	353
2	Microenvironmental regulation of the sinusoidal endothelial cell phenotype in vitro. Hepatology, 2009, 50, 920-928.	7.3	140
3	Pneumatic oscillator circuits for timing and control of integrated microfluidics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18104-18109.	7.1	83
4	Compartmentalized Culture of Perivascular Stroma and Endothelial Cells in a Microfluidic Model of the Human Endometrium. Annals of Biomedical Engineering, 2017, 45, 1758-1769.	2.5	71
5	Microscale Control of Cell Contact and Spacing via Three-Component Surface Patterning. Langmuir, 2007, 23, 4103-4107.	3.5	65
6	Microfabrication of high-resolution porous membranes for cell culture. Journal of Membrane Science, 2014, 452, 460-469.	8.2	60
7	Laminin and fibronectin modulate inner ear spiral ganglion neurite outgrowth in anin vitro alternate choice assay. Developmental Neurobiology, 2007, 67, 1721-1730.	3.0	57
8	Semi-autonomous liquid handling via on-chip pneumatic digital logic. Lab on A Chip, 2012, 12, 3991.	6.0	39
9	Scaling of pneumatic digital logic circuits. Lab on A Chip, 2015, 15, 1360-1365.	6.0	38
10	Fibroblasts influence muscle progenitor differentiation and alignment in contact independent and dependent manners in organized co-culture devices. Biomedical Microdevices, 2013, 15, 161-169.	2.8	37
11	Single-step assembly of complex 3-D microstructures. , 0, , .		29
12	Microfluidic filter device with nylon mesh membranes efficiently dissociates cell aggregates and digested tissue into single cells. Lab on A Chip, 2018, 18, 2776-2786.	6.0	24
13	A co-culture device with a tunable stiffness to understand combinatorial cellâ€“cell and cellâ€“matrix interactions. Integrative Biology (United Kingdom), 2013, 5, 1344.	1.3	23
14	Microfluidic serial dilution ladder. Analyst, The, 2014, 139, 187-190.	3.5	21
15	Visualizing Cell Proximity with Genetically Encoded Bioluminescent Reporters. ACS Chemical Biology, 2015, 10, 933-938.	3.4	15
16	Live imaging reveals active infiltration of mitotic zone by its stem cell niche. Integrative Biology (United Kingdom), 2013, 5, 976.	1.3	14
17	Microfluidic device for rapid digestion of tissues into cellular suspensions. Lab on A Chip, 2017, 17, 3300-3309.	6.0	13
18	Cell patterning by surface tension pinning in microfluidic channels. Biomicrofluidics, 2020, 14, 024102.	2.4	7

#	Article	IF	Citations
19	Silicon Microchips for Manipulating Cell-cell Interaction. Journal of Visualized Experiments, 2007, , 268.	0.3	6
20	A screen for short-range paracrine interactions. Integrative Biology (United Kingdom), 2014, 6, 382-387.	1.3	6
21	Optical stimulation and imaging of functional brain circuitry in a segmented laminar flow chamber. Lab on A Chip, 2013, 13, 536-541.	6.0	4
22	Vacuum pressure generation via microfabricated converging-diverging nozzles for operation of automated pneumatic logic. Biomedical Microdevices, 2016, 18, 74.	2.8	3
23	High-resolution integrated piezoresistive sensors for microfluidic monitoring. Lab on A Chip, 2021, 21, 83-92.	6.0	3
24	Pain Reduction and Financial Incentives to Improve Glucose Monitoring Adherence in a Community Health Center. PLoS ONE, 2014, 9, e114875.	2.5	2
25	Macro-to-Micro Interface for the Control of Cellular Organization. Journal of Microelectromechanical Systems, 2014, 23, 391-397.	2.5	2
26	Patterning of sharp cellular interfaces with a reconfigurable elastic substrate. Integrative Biology (United Kingdom), 2017, 9, 50-57.	1.3	2
27	Guest Editorial Special Section on IEEE EMBS Conference on Micro and Nanotechnology in Medicine. IEEE Transactions on Nanobioscience, 2019, 18, 214-215.	3.3	2
28	Engineering Cellular Microenvironments. , 2008, , 536-553.		0