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	High-resolution integrated piezoresistive sensors for microfluidic monitoring. Lab on A Chip, 2021, 21, 83-92.	6.0	3
2	Cell patterning by surface tension pinning in microfluidic channels. Biomicrofluidics, 2020, 14, 024102.	2.4	7
3	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
4	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
5	Patterning of sharp cellular interfaces with a reconfigurable elastic substrate. Integrative Biology (United Kingdom), 2017, 9, 50-57.	1.3	2
6	Microfluidic device for rapid digestion of tissues into cellular suspensions. Lab on A Chip, 2017, 17, 3300-3309.	6.0	13
7	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
8	Vacuum pressure generation via microfabricated converging-diverging nozzles for operation of automated pneumatic logic. Biomedical Microdevices, 2016, 18, 74.	2.8	3
9	Visualizing Cell Proximity with Genetically Encoded Bioluminescent Reporters. ACS Chemical Biology, 2015, 10, 933-938.	3.4	15
10	Scaling of pneumatic digital logic circuits. Lab on A Chip, 2015, 15, 1360-1365.	6.0	38
11	Pain Reduction and Financial Incentives to Improve Glucose Monitoring Adherence in a Community Health Center. PLoS ONE, 2014, 9, e114875.	2.5	2
12	Microfluidic serial dilution ladder. Analyst, The, 2014, 139, 187-190.	3.5	21
13	A screen for short-range paracrine interactions. Integrative Biology (United Kingdom), 2014, 6, 382-387.	1.3	6
14	Macro-to-Micro Interface for the Control of Cellular Organization. Journal of Microelectromechanical Systems, 2014, 23, 391-397.	2.5	2
15	Microfabrication of high-resolution porous membranes for cell culture. Journal of Membrane Science, 2014, 452, 460-469.	8.2	60
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	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
18	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

#	Article	IF	Citations
19	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
20	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
21	Semi-autonomous liquid handling via on-chip pneumatic digital logic. Lab on A Chip, 2012, 12, 3991.	6.0	39
22	Microenvironmental regulation of the sinusoidal endothelial cell phenotype in vitro. Hepatology, 2009, 50, 920-928.	7.3	140
23	Engineering Cellular Microenvironments. , 2008, , 536-553.		0
24	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
25	Microscale Control of Cell Contact and Spacing via Three-Component Surface Patterning. Langmuir, 2007, 23, 4103-4107.	3.5	65
26	Silicon Microchips for Manipulating Cell-cell Interaction. Journal of Visualized Experiments, 2007, , 268.	0.3	6
27	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
28	Single-step assembly of complex 3-D microstructures. , 0, , .		29