Keith H K Wong

List of Publications by Year
in descending order

25 papers	1,669 citations	471509 17 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	3333 citing authors

#	Article	IF	Citations
1	Enhanced Isolation and Release of Circulating Tumor Cells Using Nanoparticle Binding and Ligand Exchange in a Microfluidic Chip. Journal of the American Chemical Society, 2017, 139, 2741-2749.	13.7	226
2	Microfluidic Models of Vascular Functions. Annual Review of Biomedical Engineering, 2012, 14, 205-230.	12.3	208
3	Three-Dimensional Blood-Brain Barrier Model for in vitro Studies of Neurovascular Pathology. Scientific Reports, 2015, 5, 15222.	3.3	162
4	Effect of mechanical factors on the function of engineered human blood microvessels in microfluidic collagen gels. Biomaterials, 2010, 31, 6182-6189.	11.4	161
5	Microfluidic Isolation of Circulating Tumor Cell Clusters by Size and Asymmetry. Scientific Reports, 2017, 7, 2433.	3.3	158
6	The Lipogenic Regulator SREBP2 Induces Transferrin in Circulating Melanoma Cells and Suppresses Ferroptosis. Cancer Discovery, 2021, 11, 678-695.	9.4	114
7	Microfluidic isolation of platelet-covered circulating tumor cells. Lab on A Chip, 2017, 17, 3498-3503.	6.0	102
8	Neutrophil extracellular traps are increased in cancer patients but does not associate with venous thrombosis. Cardiovascular Diagnosis and Therapy, 2017, 7, S140-S149.	1.7	69
9	The role of cyclic AMP in normalizing the function of engineered human blood microvessels in microfluidic collagen gels. Biomaterials, 2010, 31, 4706-4714.	11.4	65
10	Artificial lymphatic drainage systems for vascularized microfluidic scaffolds. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2181-2190.	4.0	62
11	Whole blood stabilization for the microfluidic isolation and molecular characterization of circulating tumor cells. Nature Communications, 2017, 8, 1733.	12.8	53
12	Crosslinking of collagen scaffolds promotes blood and lymphatic vascular stability. Journal of Biomedical Materials Research - Part A, 2014, 102, 3186-3195.	4.0	51
13	A highly-occupied, single-cell trapping microarray for determination of cell membrane permeability. Lab on A Chip, 2017, 17, 4077-4088.	6.0	41
14	The Role of Physical Stabilization in Whole Blood Preservation. Scientific Reports, 2016, 6, 21023.	3.3	38
15	Plasma expanders stabilize human microvessels in microfluidic scaffolds. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1815-1822.	4.0	37
16	Design principles for lymphatic drainage of fluid and solutes from collagen scaffolds. Journal of Biomedical Materials Research - Part A, 2018, 106, 106-114.	4.0	24
17	Preservative solution that stabilizes erythrocyte morphology and leukocyte viability under ambient conditions. Scientific Reports, 2017, 7, 5658.	3.3	21
18	Effect of Ice Nucleation and Cryoprotectants during High Subzero-Preservation in Endothelialized Microchannels. ACS Biomaterials Science and Engineering, 2018, 4, 3006-3015.	5.2	18

#	Article	IF	Citations
19	Megakaryocytes contain extranuclear histones and may be a source of platelet-associated histones during sepsis. Scientific Reports, 2020, 10, 4621.	3.3	17
20	Microengineering in cardiovascular research: new developments and translational applications. Cardiovascular Research, 2015, 106, 9-18.	3.8	9
21	Ultra-fast vitrification of patient-derived circulating tumor cell lines. PLoS ONE, 2018, 13, e0192734.	2.5	9
22	Anti-thrombotic strategies for microfluidic blood processing. Lab on A Chip, 2018, 18, 2146-2155.	6.0	8
23	Vascularization of Microfluidic Hydrogels. , 2013, , 205-221.		6
24	Trapped Chromatin Fibers Damage Flowing Red Blood Cells. Advanced Biology, 2018, 2, 1800040.	3.0	2
25	Crosslinking of collagen scaffolds promotes blood and lymphatic vascular stability. Journal of Biomedical Materials Research - Part A, 2013, 102, n/a-n/a.	4.0	1