

Hui Min Tay

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

518
citations

686830

13
h-index

713013

21
g-index

23
all docs

23
docs citations

23
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated inertial-impedance cytometry for rapid label-free leukocyte isolation and profiling of neutrophil extracellular traps (NETs). <i>Lab on A Chip</i> , 2019, 19, 1736-1746.	3.1	59
2	A tunable microfluidic 3D stenosis model to study leukocyte-endothelial interactions in atherosclerosis. <i>APL Bioengineering</i> , 2018, 2, 016103.	3.3	57
3	Rapid and label-free microfluidic neutrophil purification and phenotyping in diabetes mellitus. <i>Scientific Reports</i> , 2016, 6, 29410.	1.6	51
4	Rapid purification of sub-micrometer particles for enhanced drug release and microvesicles isolation. <i>NPG Asia Materials</i> , 2017, 9, e434-e434.	3.8	44
5	A Multifunctional Role of Leucine-Rich Î±2-Glycoprotein 1 in Cutaneous Wound Healing Under Normal and Diabetic Conditions. <i>Diabetes</i> , 2020, 69, 2467-2480.	0.3	41
6	Label-free leukocyte sorting and impedance-based profiling for diabetes testing. <i>Biosensors and Bioelectronics</i> , 2018, 118, 195-203.	5.3	38
7	Direct isolation of circulating extracellular vesicles from blood for vascular risk profiling in type 2 diabetes mellitus. <i>Lab on A Chip</i> , 2021, 21, 2511-2523.	3.1	33
8	Label-free quantitative lymphocyte activation profiling using microfluidic impedance cytometry. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129864.	4.0	24
9	Microfluidic Impedance-Deformability Cytometry for Label-Free Single Neutrophil Mechanophenotyping. <i>Small</i> , 2022, 18, e2104822.	5.2	24
10	A Novel Microdevice for Rapid Neutrophil Purification and Phenotyping in Type 2 Diabetes Mellitus. <i>Small</i> , 2018, 14, 1702832.	5.2	22
11	Interference-free Micro/nanoparticle Cell Engineering by Use of High-Throughput Microfluidic Separation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20855-20864.	4.0	21
12	Microfluidic Size Exclusion Chromatography (Î¼SEC) for Extracellular Vesicles and Plasma Protein Separation. <i>Small</i> , 2022, 18, e2104470.	5.2	20
13	Increased monocyte-platelet aggregates and monocyte-endothelial adhesion in healthy individuals with vitamin D deficiency. <i>FASEB Journal</i> , 2020, 34, 11133-11142.	0.2	17
14	A Facile and Scalable Hydrogel Patterning Method for Microfluidic 3D Cell Culture and Spheroid-in-Gel Culture Array. <i>Biosensors</i> , 2021, 11, 509.	2.3	16
15	Multiplexed Label-Free Fractionation of Peripheral Blood Mononuclear Cells for Identification of Monocyte-Platelet Aggregates. <i>Analytical Chemistry</i> , 2018, 90, 14535-14542.	3.2	15
16	Preservation of Anticancer and Immunosuppressive Properties of Rapamycin Achieved Through Controlled Releasing Particles. <i>AAPS PharmSciTech</i> , 2017, 18, 2648-2657.	1.5	12
17	Leucine-Rich Î±2-Glycoprotein 1 Suppresses Endothelial Cell Activation Through ADAM10-Mediated Shedding of TNF-Î± Receptor. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 706143.	1.8	11
18	Thrombin-derived host defence peptide modulates neutrophil rolling and migration in vitro and functional response in vivo. <i>Scientific Reports</i> , 2017, 7, 11201.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Hyaluronidase-1-mediated glycocalyx impairment underlies endothelial abnormalities in polypoidal choroidal vasculopathy. BMC Biology, 2022, 20, 47.	1.7	3
20	Microfluidic Buffer Exchange for Interference-free Micro/Nanoparticle Cell Engineering. Journal of Visualized Experiments, 2016, , .	0.2	2
21	Microfluidic Impedanceâ€Deformability Cytometry for Labelâ€Free Single Neutrophil Mechanophenotyping (Small 18/2022). Small, 2022, 18, .	5.2	1
22	Neutrophil Phenotyping: A Novel Microdevice for Rapid Neutrophil Purification and Phenotyping in Type 2 Diabetes Mellitus (Small 6/2018). Small, 2018, 14, 1870025.	5.2	0