Yandong Gao

List of Publications by Year
in descending order

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		471509	580821
25	1,958	17	25
papers	citations	h-index	g-index

25	25	25	3528
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Super enhancer regulation of cytokine-induced chemokine production in alcoholic hepatitis. Nature Communications, 2021, 12, 4560.	12.8	37
2	Integrin Î²1-enriched extracellular vesicles mediate monocyte adhesion and promote liver inflammation in murine NASH. Journal of Hepatology, 2019, 71, 1193-1205.	3.7	112
3	Fabrication of composite microfluidic devices for local control of oxygen tension in cell cultures. Lab on A Chip, 2019, 19, 306-315.	6.0	20
4	Mechanical Stretch Increases Expression of CXCL1 in Liver Sinusoidal Endothelial Cells to Recruit Neutrophils, Generate Sinusoidal Microthombi, and Promote Portal Hypertension. Gastroenterology, 2019, 157, 193-209.e9.	1.3	134
5	Hepatocyte-Derived Lipotoxic Extracellular Vesicle Sphingosine 1-Phosphate Induces Macrophage Chemotaxis. Frontiers in Immunology, 2018, 9, 2980.	4.8	65
6	Macrophages contribute to the pathogenesis of sclerosing cholangitis in mice. Journal of Hepatology, 2018, 69, 676-686.	3.7	119
7	Reference channel-based microfluidic resistance sensing for single yeast cell volume growth measurement. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	4
8	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	12.6	796
9	Synectin promotes fibrogenesis by regulating PDGFR isoforms through distinct mechanisms. JCI Insight, 2017, 2, .	5.0	16
10	Embryonic Stem Cells Cultured in Microfluidic Chambers Take Control of Their Fate by Producing Endogenous Signals Including LIF. Stem Cells, 2016, 34, 1501-1512.	3.2	26
11	Functional imaging of neuronâ€“astrocyte interactions in a compartmentalized microfluidic device. Microsystems and Nanoengineering, 2016, 2, 15045.	7.0	24
12	Cell biology is different in small volumes: endogenous signals shape phenotype of primary hepatocytes cultured in microfluidic channels. Scientific Reports, 2016, 6, 33980.	3.3	37
13	Ductular reaction-on-a-chip: Microfluidic co-cultures to study stem cell fate selection during liver injury. Scientific Reports, 2016, 6, 36077.	3.3	13
14	A microfluidic device for generation of chemical gradients. Microsystem Technologies, 2015, 21, 1797-1804.	2.0	7
15	Microfluidic co-cultures with hydrogel-based ligand trap to study paracrine signals giving rise to cancer drug resistance. Lab on A Chip, 2015, 15, 4614-4624.	6.0	23
16	Liver injury-on-a-chip: microfluidic co-cultures with integrated biosensors for monitoring liver cell signaling during injury. Lab on A Chip, 2015, 15, 4467-4478.	6.0	112
17	Reconfigurable microfluidic device with integrated antibody arrays for capture, multiplexed stimulation, and cytokine profiling of human monocytes. Biomicrofluidics, 2015, 9, 044115.	2.4	6
18	Molecular Dynamics Studies of Homogeneous and Heterogeneous Thermal Bubble Nucleation. Journal of Heat Transfer, 2014, 136, .	2.1	13

#	Article	IF	Citations
19	A mathematical method for extracting cell secretion rate from affinity biosensors continuously monitoring cell activity. Biomicrofluidics, 2014, 8, 021501.	2.4	11
20	Reconfigurable microfluidics with integrated aptasensors for monitoring intercellular communication. Lab on A Chip, 2014, 14, 1695-1704.	6.0	30
21	Glia co-culture with neurons in microfluidic platforms promotes the formation and stabilization of synaptic contacts. Lab on A Chip, 2013, 13, 3008.	6.0	99
22	A compact microfluidic gradient generator using passive pumping. Microfluidics and Nanofluidics, 2012, 12, 887-895.	2.2	36
23	A versatile valve-enabled microfluidic cell co-culture platform and demonstration of its applications to neurobiology and cancer biology. Biomedical Microdevices, 2011, 13, 539-548.	2.8	94
24	Co-culture of neurons and glia in a novel microfluidic platform. Journal of Neuroscience Methods, 2011, 196, 38-44.	2.5	110
25	Translational motion of a spherical particle near a planar liquidâ€“fluid interface. Journal of Colloid and Interface Science, 2008, 319, 344-352.	9.4	14