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	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	12.6	796
2	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
3	Macrophages contribute to the pathogenesis of sclerosing cholangitis in mice. Journal of Hepatology, 2018, 69, 676-686.	3.7	119
4	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
5	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
6	Co-culture of neurons and glia in a novel microfluidic platform. Journal of Neuroscience Methods, 2011, 196, 38-44.	2.5	110
7	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
8	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
9	Hepatocyte-Derived Lipotoxic Extracellular Vesicle Sphingosine 1-Phosphate Induces Macrophage Chemotaxis. Frontiers in Immunology, 2018, 9, 2980.	4.8	65
10	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
11	Super enhancer regulation of cytokine-induced chemokine production in alcoholic hepatitis. Nature Communications, 2021, 12, 4560.	12.8	37
12	A compact microfluidic gradient generator using passive pumping. Microfluidics and Nanofluidics, 2012, 12, 887-895.	2.2	36
13	Reconfigurable microfluidics with integrated aptasensors for monitoring intercellular communication. Lab on A Chip, 2014, 14, 1695-1704.	6.0	30
14	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
15	Functional imaging of neuronâ€“astrocyte interactions in a compartmentalized microfluidic device. Microsystems and Nanoengineering, 2016, 2, 15045.	7.0	24
16	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
17	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
18	Synectin promotes fibrogenesis by regulating PDGFR isoforms through distinct mechanisms. JCI Insight, 2017, 2, .	5.0	16

#	Article	IF	Citations
19	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
20	Molecular Dynamics Studies of Homogeneous and Heterogeneous Thermal Bubble Nucleation. Journal of Heat Transfer, 2014, 136, .	2.1	13
21	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
22	A mathematical method for extracting cell secretion rate from affinity biosensors continuously monitoring cell activity. Biomicrofluidics, 2014, 8, 021501.	2.4	11
23	A microfluidic device for generation of chemical gradients. Microsystem Technologies, 2015, 21, 1797-1804.	2.0	7
24	Reconfigurable microfluidic device with integrated antibody arrays for capture, multiplexed stimulation, and cytokine profiling of human monocytes. Biomicrofluidics, 2015, 9, 044115.	2.4	6
25	Reference channel-based microfluidic resistance sensing for single yeast cell volume growth measurement. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	4