Chung Yu Chan

List of Publications by Year
in descending order

26 papers	1,589 citations	516710 16 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	2293 citing authors

#	Article	IF	Citations
1	Clathrin-mediated endocytosis cooperates with bulk endocytosis to generate vesicles. IScience, 2022, 25, 103809.	4.1	7
2	Purine biosynthetic enzymes assemble into liquid-like condensates dependent on the activity of chaperone protein HSP90. Journal of Biological Chemistry, 2022, 298, 101845.	3.4	16
3	Multiple Roles of Actin in Exo- and Endocytosis. Frontiers in Synaptic Neuroscience, 2022, 14, 841704.	2.5	24
4	Phospholipase A2-based probes to study vesicle trafficking. Cell Reports Methods, 2022, 2, 100206.	2.9	0
5	Sequential compound fusion and kiss-and-run mediate exo- and endocytosis in excitable cells. Science Advances, 2022, 8, .	10.3	5
6	Molecular mechanics underlying flat-to-round membrane budding in live secretory cells. Nature Communications, 2022, 13, .	12.8	5
7	Preformed Î©-profile closure and kiss-and-run mediate endocytosis and diverse endocytic modes in neuroendocrine chromaffin cells. Neuron, 2021, 109, 3119-3134.e5.	8.1	24
8	A sharp-edge-based acoustofluidic chemical signal generator. Lab on A Chip, 2018, 18, 1411-1421.	6.0	48
9	Microtubule-directed transport of purine metabolons drives their cytosolic transit to mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13009-13014.	7.1	48
10	Rapid formation of size-controllable multicellular spheroids via 3D acoustic tweezers. Lab on A Chip, 2016, 16, 2636-2643.	6.0	147
11	Spatial colocalization and functional link of purinosomes with mitochondria. Science, 2016, 351, 733-737.	12.6	174
12	Quantitative Analysis of Purine Nucleotides Indicates That Purinosomes Increase de Novo Purine Biosynthesis. Journal of Biological Chemistry, 2015, 290, 6705-6713.	3.4	101
13	Purinosome formation as a function of the cell cycle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1368-1373.	7.1	84
14	A spatiotemporally controllable chemical gradient generator via acoustically oscillating sharp-edge structures. Lab on A Chip, 2015, 15, 4166-4176.	6.0	49
15	Interplay between absorption and radiative decay rates of surface plasmon polaritons for field enhancement in periodic arrays. Optics Letters, 2014, 39, 501.	3.3	13
16	A polystyrene-based microfluidic device with three-dimensional interconnected microporous walls for perfusion cell culture. Biomicrofluidics, 2014, 8, 046505.	2.4	25
17	An acoustofluidic micromixer based on oscillating sidewall sharp-edges. Lab on A Chip, 2013, 13, 3847.	6.0	220
18	Probing cellâ€“cell communication with microfluidic devices. Lab on A Chip, 2013, 13, 3152.	6.0	65

#	Article	IF	Citations
19	Tunable, pulsatile chemical gradient generation via acoustically driven oscillating bubbles. Lab on A Chip, 2013, 13, 328-331.	6.0	91
20	Optofluidic imaging: now and beyond. Lab on A Chip, 2013, 13, 17-24.	6.0	70
21	Accelerating drug discovery via organs-on-chips. Lab on A Chip, 2013, 13, 4697.	6.0	117
22	Study of coupling efficiency of molecules to surface plasmon polaritons in surface-enhanced Raman scattering (SERS). Optics Express, 2013, 21, 14674.	3.4	13
23	Rational design of high performance surface plasmon resonance sensors based on two-dimensional metallic hole arrays. Optics Express, 2012, 20, 12610.	3.4	16
24	Direct measurement of radiative scattering of surface plasmon polariton resonance from metallic arrays by polarization-resolved reflectivity spectroscopy. Applied Physics Letters, 2012, 101, 223108.	3.3	7
25	Standing surface acoustic wave (SSAW) based multichannel cell sorting. Lab on A Chip, 2012, 12, 4228.	6.0	186
26	Angle resolved surface enhanced Raman scattering (SERS) on two-dimensional metallic arrays with different hole sizes. Applied Physics Letters, 2010, 96, 033104.	3.3	34