

# Chung Yu Chan

## List of Publications by Year in descending order

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Version: 2024-02-01

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	An acoustofluidic micromixer based on oscillating sidewall sharp-edges. <i>Lab on A Chip</i> , 2013, 13, 3847.	6.0	220
2	Standing surface acoustic wave (SSAW) based multichannel cell sorting. <i>Lab on A Chip</i> , 2012, 12, 4228.	6.0	186
3	Spatial colocalization and functional link of purinosomes with mitochondria. <i>Science</i> , 2016, 351, 733-737.	12.6	174
4	Rapid formation of size-controllable multicellular spheroids via 3D acoustic tweezers. <i>Lab on A Chip</i> , 2016, 16, 2636-2643.	6.0	147
5	Accelerating drug discovery via organs-on-chips. <i>Lab on A Chip</i> , 2013, 13, 4697.	6.0	117
6	Quantitative Analysis of Purine Nucleotides Indicates That Purinosomes Increase de Novo Purine Biosynthesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 6705-6713.	3.4	101
7	Tunable, pulsatile chemical gradient generation via acoustically driven oscillating bubbles. <i>Lab on A Chip</i> , 2013, 13, 328-331.	6.0	91
8	Purinosome formation as a function of the cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1368-1373.	7.1	84
9	Optofluidic imaging: now and beyond. <i>Lab on A Chip</i> , 2013, 13, 17-24.	6.0	70
10	Probing cell-cell communication with microfluidic devices. <i>Lab on A Chip</i> , 2013, 13, 3152.	6.0	65
11	A spatiotemporally controllable chemical gradient generator via acoustically oscillating sharp-edge structures. <i>Lab on A Chip</i> , 2015, 15, 4166-4176.	6.0	49
12	A sharp-edge-based acoustofluidic chemical signal generator. <i>Lab on A Chip</i> , 2018, 18, 1411-1421.	6.0	48
13	Microtubule-directed transport of purine metabolons drives their cytosolic transit to mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13009-13014.	7.1	48
14	Angle resolved surface enhanced Raman scattering (SERS) on two-dimensional metallic arrays with different hole sizes. <i>Applied Physics Letters</i> , 2010, 96, 033104.	3.3	34
15	A polystyrene-based microfluidic device with three-dimensional interconnected microporous walls for perfusion cell culture. <i>Biomicrofluidics</i> , 2014, 8, 046505.	2.4	25
16	Preformed $\hat{\text{C}}$ -profile closure and kiss-and-run mediate endocytosis and diverse endocytic modes in neuroendocrine chromaffin cells. <i>Neuron</i> , 2021, 109, 3119-3134.e5.	8.1	24
17	Multiple Roles of Actin in Exo- and Endocytosis. <i>Frontiers in Synaptic Neuroscience</i> , 2022, 14, 841704.	2.5	24
18	Rational design of high performance surface plasmon resonance sensors based on two-dimensional metallic hole arrays. <i>Optics Express</i> , 2012, 20, 12610.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Purine biosynthetic enzymes assemble into liquid-like condensates dependent on the activity of chaperone protein HSP90. <i>Journal of Biological Chemistry</i> , 2022, 298, 101845.	3.4	16
20	Study of coupling efficiency of molecules to surface plasmon polaritons in surface-enhanced Raman scattering (SERS). <i>Optics Express</i> , 2013, 21, 14674.	3.4	13
21	Interplay between absorption and radiative decay rates of surface plasmon polaritons for field enhancement in periodic arrays. <i>Optics Letters</i> , 2014, 39, 501.	3.3	13
22	Direct measurement of radiative scattering of surface plasmon polariton resonance from metallic arrays by polarization-resolved reflectivity spectroscopy. <i>Applied Physics Letters</i> , 2012, 101, 223108.	3.3	7
23	Clathrin-mediated endocytosis cooperates with bulk endocytosis to generate vesicles. <i>IScience</i> , 2022, 25, 103809.	4.1	7
24	Sequential compound fusion and kiss-and-run mediate exo- and endocytosis in excitable cells. <i>Science Advances</i> , 2022, 8, .	10.3	5
25	Molecular mechanics underlying flat-to-round membrane budding in live secretory cells. <i>Nature Communications</i> , 2022, 13, .	12.8	5
26	Phospholipase A2-based probes to study vesicle trafficking. <i>Cell Reports Methods</i> , 2022, 2, 100206.	2.9	0