

# Ting-Hsiang Wu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

1,228

citations

16

h-index

35

g-index

40

ext. papers

1,407

ext. citations

8.7

avg, IF

4.03

L-index

#	Paper	IF	Citations
28	Generating stable isolated mitochondrial recipient clones in mammalian cells using MitoPunch mitochondrial transfer. <i>STAR Protocols</i> , <b>2021</b> , 2, 100850	1.4	1
27	Stable transplantation of human mitochondrial DNA by high-throughput, pressurized isolated mitochondrial delivery. <i>ELife</i> , <b>2021</b> , 10,	8.9	12
26	Pressure-Driven Mitochondrial Transfer Pipeline Generates Mammalian Cells of Desired Genetic Combinations and Fates. <i>Cell Reports</i> , <b>2020</b> , 33, 108562	10.6	12
25	Dielectrophoretic focusing integrated pulsed laser activated cell sorting <b>2017</b> ,		2
24	Modifying the Mitochondrial Genome. <i>Cell Metabolism</i> , <b>2016</b> , 23, 785-96	24.6	85
23	Mitochondrial Transfer by Photothermal Nanoblade Restores Metabolite Profile in Mammalian Cells. <i>Cell Metabolism</i> , <b>2016</b> , 23, 921-9	24.6	59
22	Massively parallel delivery of large cargo into mammalian cells with light pulses. <i>Nature Methods</i> , <b>2015</b> , 12, 439-44	21.6	115
21	Direct Nuclear Delivery of DNA by Photothermal Nanoblade. <i>Journal of the Association for Laboratory Automation</i> , <b>2015</b> , 20, 659-62		2
20	Pulsed laser activated cell sorting with three dimensional sheathless inertial focusing. <i>Small</i> , <b>2014</b> , 10, 1746-51	11	54
19	Type three secretion system-mediated escape of Burkholderia pseudomallei into the host cytosol is critical for the activation of NFB. <i>BMC Microbiology</i> , <b>2014</b> , 14, 115	4.5	9
18	Pulsed laser activated cell sorter (PLACS) for high-throughput fluorescent mammalian cell sorting <b>2014</b> ,		1
17	Electrical impedance monitoring of photothermal porated mammalian cells. <i>Journal of the Association for Laboratory Automation</i> , <b>2014</b> , 19, 50-9		10
16	Detection of mRNA in living cells by double-stranded locked nucleic acid probes. <i>Analyst, The</i> , <b>2013</b> , 138, 4777-85	5	21
15	3D pulsed laser-triggered high-speed microfluidic fluorescence-activated cell sorter. <i>Analyst, The</i> , <b>2013</b> , 138, 7308-15	5	60
14	Pulsed laser triggered high speed microfluidic fluorescence activated cell sorter. <i>Lab on A Chip</i> , <b>2012</b> , 12, 1378-83	7.2	88
13	Nanoblade delivery and incorporation of quantum dot conjugates into tubulin networks in live cells. <i>Nano Letters</i> , <b>2012</b> , 12, 5669-72	11.5	34
12	Scanning laser pulses driven microfluidic peristaltic membrane pump. <i>Lab on A Chip</i> , <b>2012</b> , 12, 1771-4	7.2	13

11	High-speed droplet generation on demand driven by pulse laser-induced cavitation. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1010-2	7.2	97
10	Photothermal nanoblade for large cargo delivery into mammalian cells. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1321-7	7.8	51
9	Dissection of the Burkholderia intracellular life cycle using a photothermal nanoblade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 12095-100	11.5	118
8	Pulsed laser triggered high speed fluorescence activated microfluidic switch <b>2010</b> ,		2
7	Photothermal nanoblade for patterned cell membrane cutting. <i>Optics Express</i> , <b>2010</b> , 18, 23153-60	3.3	32
6	Image patterned molecular delivery into live cells using gold particle coated substrates. <i>Optics Express</i> , <b>2010</b> , 18, 938-46	3.3	26
5	Near field photothermal printing of gold microstructures and nanostructures. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 031112	3.4	8
4	Photothermal Effects of Supramolecularly Assembled Gold Nanoparticles for the Targeted Treatment of Cancer Cells. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3865-3869	3.6	37
3	Photothermal effects of supramolecularly assembled gold nanoparticles for the targeted treatment of cancer cells. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3777-81	16.4	236
2	Pulsed laser triggered high speed microfluidic switch. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 144102	3.4	31
1	Magnetic nanowire-enhanced optomagnetic tweezers. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 254102	3.4	11