Hsiung-Lin Tu

List of Publications by Year
in descending order

22	1,010	687363 13	677142 22
papers	citations	h-index	g-index

24	24	24	1567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Streamlined single-cell proteomics by an integrated microfluidic chip and data-independent acquisition mass spectrometry. Nature Communications, 2022, 13, 37.	12.8	85
2	Surface Viscosityâ€Dependent Neurite Initiation in Cortical Neurons. Advanced Biology, 2022, 6, e2101325.	2.5	2
3	Chip assisted formation of phase-separated liposomes for reconstituting spatial proteinâ€“lipid interactions. Lab on A Chip, 2022, 22, 2540-2548.	6.0	2
4	NF-ÎºB responds to absolute differences in cytokine concentrations. Science Signaling, 2021, 14, .	3.6	34
5	Construction of intracellular asymmetry and asymmetric division in Escherichia coli. Nature Communications, 2021, 12, 888.	12.8	10
6	Stable Crystalline Organicâ€“Inorganic Hybrid Indium Phosphate with Dye Removal and Ractopamine Detection Applications. Inorganic Chemistry, 2021, 60, 11655-11660.	4.0	10
7	Multiplexed patterning of hybrid lipid membrane and protein arrays for cell signaling study. Lab on A Chip, 2021, 21, 2711-2720.	6.0	4
8	Sample Size-Comparable Spectral Library Enhances Data-Independent Acquisition-Based Proteome Coverage of Low-Input Cells. Analytical Chemistry, 2021, 93, 17003-17011.	6.5	17
9	Mechanotactic Activation of TGFâ€Î² by PEDOT Artificial Microenvironments Triggers Epithelial to Mesenchymal Transition. Advanced Biology, 2020, 4, 1900165.	3.0	2
10	A thio-functionalized zinc phosphite with a large-channel framework and enhanced removal ability of mercury ion from aqueous solutions. Dalton Transactions, 2020, 49, 11085-11089.	3.3	5
11	Highly Sensitive Detection of Mercury Ions Using Zincophosphite Framework Nanoparticleâ€“Polyaniline Composites. ACS Applied Nano Materials, 2020, 3, 9724-9730.	5.0	26
12	Ultra-sensitive digital quantification of proteins and mRNA in single cells. Nature Communications, 2019, 10, 3544.	12.8	44
13	Ultra-multiplexed analysis of single-cell dynamics reveals logic rules in differentiation. Science Advances, 2019, 5, eaav7959.	10.3	40
14	Phosphotyrosine-mediated LAT assembly on membranes drives kinetic bifurcation in recruitment dynamics of the Ras activator SOS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8218-8223.	7.1	101
15	One-way membrane trafficking of SOS in receptor-triggered Ras activation. Nature Structural and Molecular Biology, 2016, 23, 838-846.	8.2	49
16	Monitoring the Waiting Time Sequence of Single Ras GTPase Activation Events Using Liposome Functionalized Zero-Mode Waveguides. Nano Letters, 2016, 16, 2890-2895.	9.1	22
17	H-Ras forms dimers on membrane surfaces via a proteinâ€“protein interface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2996-3001.	7.1	150
18	Ras activation by SOS: Allosteric regulation by altered fluctuation dynamics. Science, 2014, 345, 50-54.	12.6	126

#	Article	IF	Citations
19	Single Molecule Tracking on Supported Membranes with Arrays of Optical Nanoantennas. Nano Letters, 2012, 12, 1717-1721.	9.1	65
20	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. Advanced Materials, 2009, 21, 172-177.	21.0	196
21	One-step synthesis of ordered mesostructural organic/silica nanocomposites with tunable fluorescence surfactants. Journal of Materials Chemistry, 2008, 18, 1771.	6.7	6
22	Nonionic fluorescent oligomeric surfactant for ordered mesoporous silica structure. Journal of Materials Chemistry, 2006, 16, 348-350.	6.7	13