

# Hsiung-Lin Tu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7719575/publications.pdf>

Version: 2024-02-01

22  
papers

1,010  
citations

687363

13  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1567  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. <i>Advanced Materials</i> , 2009, 21, 172-177.	21.0	196
2	H-Ras forms dimers on membrane surfaces via a protein-protein interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2996-3001.	7.1	150
3	Ras activation by SOS: Allosteric regulation by altered fluctuation dynamics. <i>Science</i> , 2014, 345, 50-54.	12.6	126
4	Phosphotyrosine-mediated LAT assembly on membranes drives kinetic bifurcation in recruitment dynamics of the Ras activator SOS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8218-8223.	7.1	101
5	Streamlined single-cell proteomics by an integrated microfluidic chip and data-independent acquisition mass spectrometry. <i>Nature Communications</i> , 2022, 13, 37.	12.8	85
6	Single Molecule Tracking on Supported Membranes with Arrays of Optical Nanoantennas. <i>Nano Letters</i> , 2012, 12, 1717-1721.	9.1	65
7	One-way membrane trafficking of SOS in receptor-triggered Ras activation. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 838-846.	8.2	49
8	Ultra-sensitive digital quantification of proteins and mRNA in single cells. <i>Nature Communications</i> , 2019, 10, 3544.	12.8	44
9	Ultra-multiplexed analysis of single-cell dynamics reveals logic rules in differentiation. <i>Science Advances</i> , 2019, 5, eaav7959.	10.3	40
10	NF- $\kappa$ B responds to absolute differences in cytokine concentrations. <i>Science Signaling</i> , 2021, 14, .	3.6	34
11	Highly Sensitive Detection of Mercury Ions Using Zincophosphite Framework Nanoparticle-Polyaniline Composites. <i>ACS Applied Nano Materials</i> , 2020, 3, 9724-9730.	5.0	26
12	Monitoring the Waiting Time Sequence of Single Ras GTPase Activation Events Using Liposome Functionalized Zero-Mode Waveguides. <i>Nano Letters</i> , 2016, 16, 2890-2895.	9.1	22
13	Sample Size-Comparable Spectral Library Enhances Data-Independent Acquisition-Based Proteome Coverage of Low-Input Cells. <i>Analytical Chemistry</i> , 2021, 93, 17003-17011.	6.5	17
14	Nonionic fluorescent oligomeric surfactant for ordered mesoporous silica structure. <i>Journal of Materials Chemistry</i> , 2006, 16, 348-350.	6.7	13
15	Construction of intracellular asymmetry and asymmetric division in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2021, 12, 888.	12.8	10
16	Stable Crystalline Organic-Inorganic Hybrid Indium Phosphate with Dye Removal and Ractopamine Detection Applications. <i>Inorganic Chemistry</i> , 2021, 60, 11655-11660.	4.0	10
17	One-step synthesis of ordered mesostructural organic/silica nanocomposites with tunable fluorescence surfactants. <i>Journal of Materials Chemistry</i> , 2008, 18, 1771.	6.7	6
18	A thio-functionalized zinc phosphite with a large-channel framework and enhanced removal ability of mercury ion from aqueous solutions. <i>Dalton Transactions</i> , 2020, 49, 11085-11089.	3.3	5

#	ARTICLE	IF	CITATIONS
19	Multiplexed patterning of hybrid lipid membrane and protein arrays for cell signaling study. Lab on A Chip, 2021, 21, 2711-2720.	6.0	4
20	Mechanotactic Activation of TGF $\beta$ 2 by PEDOT Artificial Microenvironments Triggers Epithelial to Mesenchymal Transition. Advanced Biology, 2020, 4, 1900165.	3.0	2
21	Surface Viscosity-Dependent Neurite Initiation in Cortical Neurons. Advanced Biology, 2022, 6, e2101325.	2.5	2
22	Chip assisted formation of phase-separated liposomes for reconstituting spatial protein-lipid interactions. Lab on A Chip, 2022, 22, 2540-2548.	6.0	2