Tao Chen

List of Publications by Year
in descending order

15	746	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	1301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemoproteomics reveals baicalin activates hepatic CPT1 to ameliorate diet-induced obesity and hepatic steatosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5896-E5905.	7.1	201
2	Liveâ€Cell Stimulated Raman Scattering Imaging of Alkyneâ€Tagged Biomolecules. Angewandte Chemie - International Edition, 2014, 53, 5827-5831.	13.8	169
3	Upregulation of MG53 Induces Diabetic Cardiomyopathy Through Transcriptional Activation of Peroxisome Proliferation-Activated Receptor Î±. Circulation, 2015, 131, 795-804.	1.6	120
4	Imaging without Fluorescence: Nonlinear Optical Microscopy for Quantitative Cellular Imaging. Analytical Chemistry, 2014, 86, 8506-8513.	6.5	56
5	Label-Free Digital Quantification of Lipid Droplets in Single Cells by Stimulated Raman Microscopy on a Microfluidic Platform. Analytical Chemistry, 2016, 88, 4931-4939.	6.5	47
6	Label-free chemical imaging in vivo: three-dimensional non-invasive microscopic observation of amphioxus notochord through stimulated Raman scattering (SRS). Chemical Science, 2012, 3, 2646.	7.4	26
7	Optical imaging of non-fluorescent nanodiamonds in live cells using transient absorption microscopy. Nanoscale, 2013, 5, 4701.	5.6	26
8	Transient absorption microscopy of gold nanorods as spectrally orthogonal labels in live cells. Nanoscale, 2014, 6, 10536-10539.	5.6	18
9	RNF 123 has an E3 ligaseâ€independent function in RIG â€Iâ€like receptorâ€mediated antiviral signaling. EMBO Reports, 2016, 17, 1155-1168.	4.5	17
10	Dissecting lipid droplet biology with coherent Raman scattering microscopy. Journal of Cell Science, 2022, 135, .	2.0	16
11	Label-Free Transient Absorption Microscopy for Red Blood Cell Flow Velocity Measurement in Vivo. Analytical Chemistry, 2017, 89, 10120-10123.	6.5	9
12	Histologically resolved multiomics enables precise molecular profiling of human intratumor heterogeneity. PLoS Biology, 2022, 20, e3001699.	5.6	6
13	Transient Absorption: A New Modality for Microscopic Imaging of Nanomaterials in Living Cells. Small, 2015, 11, 4998-5003.	10.0	5
14	Label-Free Imaging of Lipid Storage Dynamics in Caenorhabditis elegans using Stimulated Raman Scattering Microscopy. Journal of Visualized Experiments, 2021, , .	0.3	5
15	Biomedical applications of SRS microscopy in functional genetics and genomics. , 2022, , 475-485.		0