

# Tao Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11032507/publications.pdf>

Version: 2024-02-01

15  
papers

746  
citations

840776

11  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1301  
citing authors

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