

# Chi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6097378/publications.pdf>

Version: 2024-02-01

17  
papers

971  
citations

687363

13  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Depth-resolved mid-infrared photothermal imaging of living cells and organisms with submicrometer spatial resolution. <i>Science Advances</i> , 2016, 2, e1600521.	10.3	229
2	Coherent Raman Scattering Microscopy in Biology and Medicine. <i>Annual Review of Biomedical Engineering</i> , 2015, 17, 415-445.	12.3	153
3	Stimulated Raman scattering flow cytometry for label-free single-particle analysis. <i>Optica</i> , 2017, 4, 103.	9.3	86
4	Plasmon-enhanced stimulated Raman scattering microscopy with single-molecule detection sensitivity. <i>Nature Communications</i> , 2019, 10, 5318.	12.8	77
5	Multiplex Stimulated Raman Scattering Imaging Cytometry Reveals Lipid-Rich Protrusions in Cancer Cells under Stress Condition. <i>IScience</i> , 2020, 23, 100953.	4.1	72
6	Perspective: Coherent Raman scattering microscopy, the future is bright. <i>APL Photonics</i> , 2018, 3, .	5.7	69
7	Quantification of Lipid Metabolism in Living Cells through the Dynamics of Lipid Droplets Measured by Stimulated Raman Scattering Imaging. <i>Analytical Chemistry</i> , 2017, 89, 4502-4507.	6.5	63
8	Volumetric chemical imaging by stimulated Raman projection microscopy and tomography. <i>Nature Communications</i> , 2017, 8, 15117.	12.8	61
9	Sum Frequency Generation Vibrational Spectroscopy for Characterization of Buried Polymer Interfaces. <i>Applied Spectroscopy</i> , 2017, 71, 1717-1749.	2.2	42
10	Quantitative Assessment of Liver Steatosis and Affected Pathways with Molecular Imaging and Proteomic Profiling. <i>Scientific Reports</i> , 2018, 8, 3606.	3.3	31
11	Live-cell quantification and comparison of mammalian oocyte cytosolic lipid content between species, during development, and in relation to body composition using nonlinear vibrational microscopy. <i>Analyst</i> , 2016, 141, 4694-4706.	3.5	27
12	Hyperspectral Imaging and Characterization of Live Cells by Broadband Coherent Anti-Stokes Raman Scattering (CARS) Microscopy with Singular Value Decomposition (SVD) Analysis. <i>Applied Spectroscopy</i> , 2014, 68, 1116-1122.	2.2	24
13	Dynamic Signatures of Lipid Droplets as New Markers to Quantify Cellular Metabolic Changes. <i>Analytical Chemistry</i> , 2020, 92, 15943-15952.	6.5	18
14	Tracking the formation and degradation of fatty-acid-accumulated mitochondria using label-free chemical imaging. <i>Scientific Reports</i> , 2021, 11, 6671.	3.3	6
15	Differential Uptake of Antisense Oligonucleotides in Mouse Hepatocytes and Macrophages Revealed by Simultaneous Two-Photon Excited Fluorescence and Coherent Raman Imaging. <i>Nucleic Acid Therapeutics</i> , 2021, , .	3.6	6
16	Coherent Raman scattering microscopy for chemical imaging of biological systems. <i>JPhys Photonics</i> , 2021, 3, 032002.	4.6	5
17	Real-time imaging of surface chemical reactions by electrochemical photothermal reflectance microscopy. <i>Chemical Science</i> , 2021, 12, 1930-1936.	7.4	2