

Yihui Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11909092/publications.pdf>

Version: 2024-02-01

24
papers

2,549
citations

331670

21
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

2677
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | NAD ⁺ flux is maintained in aged mice despite lower tissue concentrations. <i>Cell Systems</i> , 2021, 12, 1160-1172.e4. | 6.2 | 51 |
| 2 | Genome-scale metabolic reconstruction of the non-model yeast <i>Issatchenkia orientalis</i> SD108 and its application to organic acids production. <i>Metabolic Engineering Communications</i> , 2020, 11, e00148. | 3.6 | 20 |
| 3 | The small intestine shields the liver from fructose-induced steatosis. <i>Nature Metabolism</i> , 2020, 2, 586-593. | 11.9 | 81 |
| 4 | A comprehensive genome-scale model for <i>Rhodospiridium toruloides</i> IFO0880 accounting for functional genomics and phenotypic data. <i>Metabolic Engineering Communications</i> , 2019, 9, e00101. | 3.6 | 55 |
| 5 | Spectral tracing of deuterium for imaging glucose metabolism. <i>Nature Biomedical Engineering</i> , 2019, 3, 402-413. | 22.5 | 116 |
| 6 | Raman Imaging of Small Biomolecules. <i>Annual Review of Biophysics</i> , 2019, 48, 347-369. | 10.0 | 93 |
| 7 | CHP1 Regulates Compartmentalized Glycerolipid Synthesis by Activating GPAT4. <i>Molecular Cell</i> , 2019, 74, 45-58.e7. | 9.7 | 83 |
| 8 | Volumetric chemical imaging by clearing-enhanced stimulated Raman scattering microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6608-6617. | 7.1 | 92 |
| 9 | Stimulated Raman excited fluorescence spectroscopy and imaging. <i>Nature Photonics</i> , 2019, 13, 412-417. | 31.4 | 71 |
| 10 | Squalene accumulation in cholesterol auxotrophic lymphomas prevents oxidative cell death. <i>Nature</i> , 2019, 567, 118-122. | 27.8 | 262 |
| 11 | Two-color vibrational imaging of glucose metabolism using stimulated Raman scattering. <i>Chemical Communications</i> , 2018, 54, 152-155. | 4.1 | 63 |
| 12 | Electronic Resonant Stimulated Raman Scattering Micro-Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9218-9224. | 2.6 | 30 |
| 13 | Invited Article: Visualizing protein synthesis in mice within vivo labeling of deuterated amino acids using vibrational imaging. <i>APL Photonics</i> , 2018, 3, 092401. | 5.7 | 16 |
| 14 | Optical imaging of metabolic dynamics in animals. <i>Nature Communications</i> , 2018, 9, 2995. | 12.8 | 164 |
| 15 | Applications of vibrational tags in biological imaging by Raman microscopy. <i>Analyst, The</i> , 2017, 142, 4018-4029. | 3.5 | 82 |
| 16 | Metabolic activity induces membrane phase separation in endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13394-13399. | 7.1 | 118 |
| 17 | Live-Cell Bioorthogonal Chemical Imaging: Stimulated Raman Scattering Microscopy of Vibrational Probes. <i>Accounts of Chemical Research</i> , 2016, 49, 1494-1502. | 15.6 | 150 |
| 18 | Vibrational Imaging of Glucose Uptake Activity in Live Cells and Tissues by Stimulated Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9821-9825. | 13.8 | 131 |

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|----|---|------|-----------|
| 19 | Imaging Complex Protein Metabolism in Live Organisms by Stimulated Raman Scattering Microscopy with Isotope Labeling. ACS Chemical Biology, 2015, 10, 901-908. | 3.4 | 106 |
| 20 | Live-Cell Quantitative Imaging of Proteome Degradation by Stimulated Raman Scattering. Angewandte Chemie - International Edition, 2014, 53, 5596-5599. | 13.8 | 70 |
| 21 | Live-cell imaging of alkyne-tagged small biomolecules by stimulated Raman scattering. Nature Methods, 2014, 11, 410-412. | 19.0 | 404 |
| 22 | Live-cell vibrational imaging of choline metabolites by stimulated Raman scattering coupled with isotope-based metabolic labeling. Analyst, The, 2014, 139, 2312-2317. | 3.5 | 71 |
| 23 | Live-Cell Quantitative Imaging of Proteome Degradation by Stimulated Raman Scattering. Angewandte Chemie, 2014, 126, 5702-5705. | 2.0 | 10 |
| 24 | Vibrational imaging of newly synthesized proteins in live cells by stimulated Raman scattering microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11226-11231. | 7.1 | 193 |