

Zhixing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,213
citations

471509

17
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

2681
citing authors

#	ARTICLE	IF	CITATIONS
1	Live-cell imaging of alkyne-tagged small biomolecules by stimulated Raman scattering. <i>Nature Methods</i> , 2014, 11, 410-412.	19.0	404
2	Super-multiplex vibrational imaging. <i>Nature</i> , 2017, 544, 465-470.	27.8	374
3	Mechanochemical unzipping of insulating poly(ladderene) to semiconducting polyacetylene. <i>Science</i> , 2017, 357, 475-479.	12.6	240
4	Optical imaging of metabolic dynamics in animals. <i>Nature Communications</i> , 2018, 9, 2995.	12.8	164
5	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
6	Multicolor Live-Cell Chemical Imaging by Isotopically Edited Alkyne Vibrational Palette. <i>Journal of the American Chemical Society</i> , 2014, 136, 8027-8033.	13.7	137
7	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
8	Second-Generation Covalent TMP-Tag for Live Cell Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 13692-13699.	13.7	118
9	The cascade unzipping of ladderane reveals dynamic effects in mechanochemistry. <i>Nature Chemistry</i> , 2020, 12, 302-309.	13.6	76
10	Structural basis of inhibition of the human SGLT2-MAP17 glucose transporter. <i>Nature</i> , 2022, 601, 280-284.	27.8	58
11	Cyclooctatetraene-conjugated cyanine mitochondrial probes minimize phototoxicity in fluorescence and nanoscopic imaging. <i>Chemical Science</i> , 2020, 11, 8506-8516.	7.4	57
12	Mapping protein-specific micro-environments in live cells by fluorescence lifetime imaging of a hybrid genetic-chemical molecular rotor tag. <i>Chemical Communications</i> , 2012, 48, 8694.	4.1	51
13	Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12382-12386.	13.8	47
14	Synthesis and Mechanochemical Activation of Ladderene-Norbornene Block Copolymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 12388-12391.	13.7	37
15	A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration. <i>Cell Stem Cell</i> , 2022, 29, 545-558.e13.	11.1	32
16	Chemical tags: inspiration for advanced imaging techniques. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 637-643.	6.1	31
17	Extending the fundamental imaging-depth limit of multi-photon microscopy by imaging with photo-activatable fluorophores. <i>Optics Express</i> , 2012, 20, 18525.	3.4	24
18	Synthesis of photoactivatable azido-acyl caged oxazine fluorophores for live-cell imaging. <i>Chemical Communications</i> , 2016, 52, 9442-9445.	4.1	18

#	ARTICLE	IF	CITATIONS
19	Bioluminescence Assisted Switching and Fluorescence Imaging (BASFI). Journal of Physical Chemistry Letters, 2013, 4, 3897-3902.	4.6	13
20	Red-emitting and Far-red-emitting Zinc Probes with Minimal Phototoxicity for Multiplexed Recording of Orchestrated Insulin Secretion. Angewandte Chemie - International Edition, 2021, 60, 25846-25855.	13.8	12
21	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie, 2016, 128, 12570-12574.	2.0	4
22	Emerging Trends in Fluorescence Bioimaging of Divalent Metal Cations Using Small-molecule Indicators. Chemistry - A European Journal, 2022, 28, .	3.3	3
23	Red-emitting and Far-red-emitting Zinc Probes with Minimal Phototoxicity for Multiplexed Recording of Orchestrated Insulin Secretion. Angewandte Chemie, 2021, 133, 26050.	2.0	1
24	Innentitelbild: Red-emitting and Far-red-emitting Zinc Probes with Minimal Phototoxicity for Multiplexed Recording of Orchestrated Insulin Secretion (Angew. Chem. 49/2021). Angewandte Chemie, 2021, 133, 25790-25790.	2.0	0