

Peng Zou

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,661
citations

257450

24
h-index

233421

45
g-index

49
all docs

49
docs citations

49
times ranked

5388
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic Mapping of Mitochondria in Living Cells via Spatially Restricted Enzymatic Tagging. <i>Science</i> , 2013, 339, 1328-1331.	12.6	1,023
2	All-optical electrophysiology in mammalian neurons using engineered microbial rhodopsins. <i>Nature Methods</i> , 2014, 11, 825-833.	19.0	666
3	Proteomic Mapping of the Human Mitochondrial Intermembrane Space in Live Cells via Ratiometric APEX Tagging. <i>Molecular Cell</i> , 2014, 55, 332-341.	9.7	414
4	Bright and fast multicoloured voltage reporters via electrochromic FRET. <i>Nature Communications</i> , 2014, 5, 4625.	12.8	175
5	Voltage imaging with genetically encoded indicators. <i>Current Opinion in Chemical Biology</i> , 2017, 39, 1-10.	6.1	156
6	A Bright and Fast Red Fluorescent Protein Voltage Indicator That Reports Neuronal Activity in Organotypic Brain Slices. <i>Journal of Neuroscience</i> , 2016, 36, 2458-2472.	3.6	137
7	MRGPRX4 is a bile acid receptor for human cholestatic itch. <i>ELife</i> , 2019, 8, .	6.0	86
8	Mapping spatial transcriptome with light-activated proximity-dependent RNA labeling. <i>Nature Chemical Biology</i> , 2019, 15, 1110-1119.	8.0	72
9	IDOL Stimulates Clathrin-Independent Endocytosis and Multivesicular Body-Mediated Lysosomal Degradation of the Low-Density Lipoprotein Receptor. <i>Molecular and Cellular Biology</i> , 2013, 33, 1503-1514.	2.3	68
10	Without Its N-Finger, the Main Protease of Severe Acute Respiratory Syndrome Coronavirus Can Form a Novel Dimer through Its C-Terminal Domain. <i>Journal of Virology</i> , 2008, 82, 4227-4234.	3.4	63
11	Site-Specific Protein Modification Using Lipoic Acid Ligase and Bis-Aryl Hydrazone Formation. <i>ChemBioChem</i> , 2012, 13, 888-894.	2.6	58
12	Expanding APEX2 Substrates for Proximity-Dependent Labeling of Nucleic Acids and Proteins in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11763-11767.	13.8	55
13	All-Optical Electrophysiology for High-Throughput Functional Characterization of a Human iPSC-Derived Motor Neuron Model of ALS. <i>Stem Cell Reports</i> , 2018, 10, 1991-2004.	4.8	48
14	A far-red hybrid voltage indicator enabled by bioorthogonal engineering of rhodopsin on live neurons. <i>Nature Chemistry</i> , 2021, 13, 472-479.	13.6	45
15	Spatiotemporal profiling of cytosolic signaling complexes in living cells by selective proximity proteomics. <i>Nature Communications</i> , 2021, 12, 71.	12.8	43
16	The heparin-binding domain of HB-EGF mediates localization to sites of cell-cell contact and prevents HB-EGF proteolytic release. <i>Journal of Cell Science</i> , 2010, 123, 2308-2318.	2.0	40
17	COPII mitigates ER stress by promoting formation of ER whorls. <i>Cell Research</i> , 2021, 31, 141-156.	12.0	36
18	Hybrid Indicators for Fast and Sensitive Voltage Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3949-3953.	13.8	34

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19	Membrane insertion of α and membrane potential sensing by β semiconductor voltage nanosensors: Feasibility demonstration. <i>Science Advances</i> , 2018, 4, e1601453.	10.3	33
20	A Clickable APEX Probe for Proximity-Dependent Proteomic Profiling in Yeast. <i>Cell Chemical Biology</i> , 2020, 27, 858-865.e8.	5.2	33
21	The evolving capabilities of enzyme-mediated proximity labeling. <i>Current Opinion in Chemical Biology</i> , 2021, 60, 30-38.	6.1	33
22	Spatiotemporally resolved subcellular phosphoproteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
23	Genome-Wide Mapping of Oxidative DNA Damage via Engineering of 8-Oxoguanine DNA Glycosylase. <i>Biochemistry</i> , 2020, 59, 85-89.	2.5	32
24	Foldon unfolding mediates the interconversion between M ^{pro} -C monomer and 3D domain-swapped dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14900-14905.	7.1	27
25	O-GlcNAcylation modulates liquid-liquid phase separation of SynGAP/PSD-95. <i>Nature Chemistry</i> , 2022, 14, 831-840.	13.6	27
26	C-terminal domain of SARS-CoV main protease can form a 3D domain-swapped dimer. <i>Protein Science</i> , 2009, 18, 839-844.	7.6	24
27	Imaging LDL Receptor Oligomerization during Endocytosis Using a Co-internalization Assay. <i>ACS Chemical Biology</i> , 2011, 6, 308-313.	3.4	23
28	Beyond Fluorescent Proteins: Hybrid and Bioluminescent Indicators for Imaging Neural Activities. <i>ACS Chemical Neuroscience</i> , 2018, 9, 639-650.	3.5	22
29	APEX2-based Proximity Labeling of Atox1 Identifies CRIP2 as a Nuclear Copper-binding Protein that Regulates Autophagy Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25346-25355.	13.8	21
30	Exosome β -Synuclein Release in Plasma May be Associated With Postoperative Delirium in Hip Fracture Patients. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 67.	3.4	17
31	Dynamic modifications of biomacromolecules: mechanism and chemical interventions. <i>Science China Life Sciences</i> , 2019, 62, 1459-1471.	4.9	14
32	Spatially resolved cell polarity proteomics of a human epiblast model. <i>Science Advances</i> , 2021, 7, .	10.3	14
33	Photocatalytic Chemical Crosslinking for Profiling RNA-Protein Interactions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
34	Imaging Neuronal Activity with Fast and Sensitive Red-Shifted Electrochromic FRET Indicators. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4768-4775.	3.5	10
35	Inhibition of β -Synuclein Accumulation Improves Neuronal Apoptosis and Delayed Postoperative Cognitive Recovery in Aged Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-21.	4.0	10
36	Chromophore-Assisted Proximity Labeling of DNA Reveals Chromosomal Organization in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22933-22937.	13.8	8

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37	Genetically-encoded voltage indicators. <i>Chinese Chemical Letters</i> , 2017, 28, 1925-1928.	9.0	7
38	Metabolic incorporation of electron-rich ribonucleosides enhances APEX-seq for profiling spatially restricted nascent transcriptome. <i>Cell Chemical Biology</i> , 2022, 29, 1218-1231.e8.	5.2	7
39	Expanding APEX2 Substrates for Proximity-Dependent Labeling of Nucleic Acids and Proteins in Living Cells. <i>Angewandte Chemie</i> , 2019, 131, 11889-11893.	2.0	6
40	Targeting cytokinesis bridge proteins to kill high-CIN type tumors. <i>Fundamental Research</i> , 2021, 1, 752-766.	3.3	5
41	Bringing together the best of chemistry and biology: hybrid indicators for imaging neuronal membrane potential. <i>Journal of Neuroscience Methods</i> , 2021, 363, 109348.	2.5	5
42	Proteomic Mapping and Targeting of Mitotic Pericentriolar Material in Tumors Bearing Centrosome Amplification. <i>Cancer Research</i> , 2022, 82, 2576-2592.	0.9	5
43	Hybrid Indicators for Fast and Sensitive Voltage Imaging. <i>Angewandte Chemie</i> , 2018, 130, 4013-4017.	2.0	4
44	Protocol for Proximity-Dependent Proteomic Profiling in Yeast Cells by APEX and Alk-Ph Probe. <i>STAR Protocols</i> , 2020, 1, 100137.	1.2	4
45	Photocatalytic Chemical Crosslinking for Profiling RNA-Protein Interactions in Living Cells. <i>Angewandte Chemie</i> , 0, , .	2.0	4
46	Chromophore-Assisted Proximity Labeling of DNA Reveals Chromosomal Organization in Living Cells. <i>Angewandte Chemie</i> , 2020, 132, 23133-23137.	2.0	2