

Jun Chu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11651118/publications.pdf>

Version: 2024-02-01

24
papers

1,787
citations

567281

15
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

3290
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving brightness and photostability of green and red fluorescent proteins for live cell imaging and FRET reporting. <i>Scientific Reports</i> , 2016, 6, 20889.	3.3	339
2	A Guide to Fluorescent Protein FRET Pairs. <i>Sensors</i> , 2016, 16, 1488.	3.8	332
3	A bright cyan-excitable orange fluorescent protein facilitates dual-emission microscopy and enhances bioluminescence imaging in vivo. <i>Nature Biotechnology</i> , 2016, 34, 760-767.	17.5	221
4	Non-invasive intravital imaging of cellular differentiation with a bright red-excitable fluorescent protein. <i>Nature Methods</i> , 2014, 11, 572-578.	19.0	196
5	Fluorescent indicators for simultaneous reporting of all four cell cycle phases. <i>Nature Methods</i> , 2016, 13, 993-996.	19.0	171
6	A novel far-red bimolecular fluorescence complementation system that allows for efficient visualization of protein interactions under physiological conditions. <i>Biosensors and Bioelectronics</i> , 2009, 25, 234-239.	10.1	92
7	Simultaneous dual-color fluorescence lifetime imaging with novel red-shifted fluorescent proteins. <i>Nature Methods</i> , 2016, 13, 989-992.	19.0	87
8	Quantitative Multiscale Cell Imaging in Controlled 3D Microenvironments. <i>Developmental Cell</i> , 2016, 36, 462-475.	7.0	70
9	Mechanism of a Genetically Encoded Dark-to-Bright Reporter for Caspase Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 24977-24986.	3.4	53
10	In Vivo Imaging of the Coupling between Neuronal and CREB Activity in the Mouse Brain. <i>Neuron</i> , 2020, 105, 799-812.e5.	8.1	43
11	Advances in Imaging Techniques and Genetically Encoded Probes for Photoacoustic Imaging. <i>Theranostics</i> , 2016, 6, 2414-2430.	10.0	38
12	Chemical sectioning fluorescence tomography: high-throughput, high-contrast, multicolor, whole-brain imaging at subcellular resolution. <i>Cell Reports</i> , 2021, 34, 108709.	6.4	34
13	Newly identified peptide hormone inhibits intestinal fat absorption and improves NAFLD through its receptor GPRC6A. <i>Journal of Hepatology</i> , 2020, 73, 383-393.	3.7	25
14	Visualization of β -secretase cleavage in living cells using a genetically encoded surface-displayed FRET probe. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 25-30.	2.1	15
15	Mechanical Responses of Breast Cancer Cells to Substrates of Varying Stiffness Revealed by Single-Cell Measurements. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7643-7649.	4.6	15
16	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
17	Imaging Neuronal Activity with Fast and Sensitive Red-Shifted Electrochromic FRET Indicators. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4768-4775.	3.5	10
18	Genetically encoded single circularly permuted fluorescent protein-based intensity indicators. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 113001.	2.8	10

#	ARTICLE	IF	CITATIONS
19	Increased Confinement and Polydispersity of STIM1 and Orai1 after Ca ²⁺ Store Depletion. <i>Biophysical Journal</i> , 2020, 118, 70-84.	0.5	8
20	Simultaneous Real-Time Three-Dimensional Localization and FRET Measurement of Two Distinct Particles. <i>Nano Letters</i> , 2021, 21, 7479-7485.	9.1	4
21	A Bright, Nontoxic, and Non-aggregating red Fluorescent Protein for Long-Term Labeling of Fine Structures in Neurons. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	4
22	An Improved Genetically Encoded Fluorescent cAMP Indicator for Sensitive cAMP Imaging and Fast Drug Screening. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	2
23	FRET Imaging of Rho GTPase Activity with Red Fluorescent Protein-Based FRET Pairs. <i>Methods in Molecular Biology</i> , 2022, 2438, 31-43.	0.9	1
24	A Bright Monomeric Near-Infrared Fluorescent Protein with an Excitation Peak at 633 nm for Labeling Cellular Protein and Reporting Protein-Protein Interaction. <i>ACS Sensors</i> , 2022, 7, 1855-1866.	7.8	1