

Jiahui Wu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,483
citations

516710

16
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

3487
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembly of Intracellular Multivalent RNA Complexes Using Dimeric Corn and Beetroot Aptamers. <i>Journal of the American Chemical Society</i> , 2022, 144, 5471-5477.	13.7	14
2	Detection of SARS-CoV-2 RNA Using a DNA Aptamer Mimic of Green Fluorescent Protein. <i>ACS Chemical Biology</i> , 2022, 17, 840-853.	3.4	13
3	Caspase-11 interaction with NLRP3 potentiates the noncanonical activation of the NLRP3 inflammasome. <i>Nature Immunology</i> , 2022, 23, 705-717.	14.5	42
4	Switching between Ultrafast Pathways Enables a Green-Red Emission Ratiometric Fluorescent-Protein-Based Ca ²⁺ Biosensor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 445.	4.1	11
5	Naturally occurring three-way junctions can be repurposed as genetically encoded RNA-based sensors. <i>Cell Chemical Biology</i> , 2021, 28, 1569-1580.e4.	5.2	12
6	Engineering Fluorophore Recycling in a Fluorogenic RNA Aptamer. <i>Angewandte Chemie</i> , 2021, 133, 24355-24363.	2.0	5
7	Engineering Fluorophore Recycling in a Fluorogenic RNA Aptamer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24153-24161.	13.8	16
8	Fluorophore-Promoted RNA Folding and Photostability Enables Imaging of Single Broccoli-Tagged mRNAs in Live Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4511-4518.	13.8	66
9	Fluorophore-Promoted RNA Folding and Photostability Enables Imaging of Single Broccoli-Tagged mRNAs in Live Mammalian Cells. <i>Angewandte Chemie</i> , 2020, 132, 4541-4548.	2.0	7
10	Imaging mRNA trafficking in living cells using fluorogenic proteins. <i>Current Opinion in Chemical Biology</i> , 2020, 57, 177-183.	6.1	16
11	A Bioluminescent Ca ²⁺ Indicator Based on a Topological Variant of GCaMP6s. <i>ChemBioChem</i> , 2019, 20, 516-520.	2.6	45
12	Live imaging of mRNA using RNA-stabilized fluorogenic proteins. <i>Nature Methods</i> , 2019, 16, 862-865.	19.0	71
13	A genetically encoded near-infrared fluorescent calcium ion indicator. <i>Nature Methods</i> , 2019, 16, 171-174.	19.0	154
14	Understanding the Fluorescence Change in Red Genetically Encoded Calcium Ion Indicators. <i>Biophysical Journal</i> , 2019, 116, 1873-1886.	0.5	54
15	Genetically Encoded Glutamate Indicators with Altered Color and Topology. <i>ACS Chemical Biology</i> , 2018, 13, 1832-1837.	3.4	67
16	Engineering of mCherry variants with long Stokes shift, red-shifted fluorescence, and low cytotoxicity. <i>PLoS ONE</i> , 2017, 12, e0171257.	2.5	70
17	Tracking translation one mRNA at a time. <i>Nature Biotechnology</i> , 2016, 34, 723-724.	17.5	0
18	Engineering Dark Chromoprotein Reporters for Photoacoustic Microscopy and FRET Imaging. <i>Scientific Reports</i> , 2016, 6, 22129.	3.3	30

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19	Red fluorescent genetically encoded Ca ²⁺ indicators for use in mitochondria and endoplasmic reticulum. <i>Biochemical Journal</i> , 2014, 464, 13-22.	3.7	132
20	A long Stokes shift red fluorescent Ca ²⁺ indicator protein for two-photon and ratiometric imaging. <i>Nature Communications</i> , 2014, 5, 5262.	12.8	75
21	Palmitoylation is the Switch that Assigns Calnexin to Quality Control or ER Calcium Signaling. <i>Journal of Cell Science</i> , 2013, 126, 3893-903.	2.0	125
22	Optogenetic reporters. <i>Biology of the Cell</i> , 2013, 105, 14-29.	2.0	39
23	Improved Orange and Red Ca ²⁺ Indicators and Photophysical Considerations for Optogenetic Applications. <i>ACS Chemical Neuroscience</i> , 2013, 4, 963-972.	3.5	218
24	An Expanded Palette of Genetically Encoded Ca ²⁺ Indicators. <i>Science</i> , 2011, 333, 1888-1891.	12.6	1,178