## Jonathan B Grimm

List of Publications by Year in descending order

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ΙΟΝΑΤΗΛΝ Β ΟΡΙΜΜ

#	Article	IF	CITATIONS
1	A general method to improve fluorophores for live-cell and single-molecule microscopy. Nature Methods, 2015, 12, 244-250.	19.0	1,236
2	A general method to fine-tune fluorophores for live-cell and in vivo imaging. Nature Methods, 2017, 14, 987-994.	19.0	502
3	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. Science, 2019, 365, 699-704.	12.6	362
4	Bright photoactivatable fluorophores for single-molecule imaging. Nature Methods, 2016, 13, 985-988.	19.0	338
5	Real-time quantification of single RNA translation dynamics in living cells. Science, 2016, 352, 1425-1429.	12.6	317
6	High-density three-dimensional localization microscopy across large volumes. Nature Methods, 2016, 13, 359-365.	19.0	262
7	Steroid Receptors Reprogram FoxA1 Occupancy through Dynamic Chromatin Transitions. Cell, 2016, 165, 593-605.	28.9	257
8	RNA Polymerase II cluster dynamics predict mRNA output in living cells. ELife, 2016, 5, .	6.0	215
9	Robust model-based analysis of single-particle tracking experiments with Spot-On. ELife, 2018, 7, .	6.0	213
10	3D imaging of Sox2 enhancer clusters in embryonic stem cells. ELife, 2014, 3, e04236.	6.0	204
11	Carbofluoresceins and Carborhodamines as Scaffolds for High-Contrast Fluorogenic Probes. ACS Chemical Biology, 2013, 8, 1303-1310.	3.4	189
12	Glutamate-induced RNA localization and translation in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6877-E6886.	7.1	159
13	Rational Design of Fluorogenic and Spontaneously Blinking Labels for Super-Resolution Imaging. ACS Central Science, 2019, 5, 1602-1613.	11.3	159
14	A general method to optimize and functionalize red-shifted rhodamine dyes. Nature Methods, 2020, 17, 815-821.	19.0	155
15	Synthesis of a Farâ€Red Photoactivatable Siliconâ€Containing Rhodamine for Superâ€Resolution Microscopy. Angewandte Chemie - International Edition, 2016, 55, 1723-1727.	13.8	142
16	General Synthetic Method for Si-Fluoresceins and Si-Rhodamines. ACS Central Science, 2017, 3, 975-985.	11.3	139
17	Caveat fluorophore: an insiders' guide to small-molecule fluorescent labels. Nature Methods, 2022, 19, 149-158.	19.0	122
18	Multi-Color Single-Molecule Imaging Uncovers Extensive Heterogeneity in mRNA Decoding. Cell, 2019, 178, 458-472.e19.	28.9	120

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19	Facile and General Synthesis of Photoactivatable Xanthene Dyes. Angewandte Chemie - International Edition, 2011, 50, 11206-11209.	13.8	116
20	The Chemistry of Small-Molecule Fluorogenic Probes. Progress in Molecular Biology and Translational Science, 2013, 113, 1-34.	1.7	110
21	Whole-Cell, 3D, and Multicolor STED Imaging with Exchangeable Fluorophores. Nano Letters, 2019, 19, 500-505.	9.1	110
22	Synthesis of Rhodamines from Fluoresceins Using Pd-Catalyzed C–N Cross-Coupling. Organic Letters, 2011, 13, 6354-6357.	4.6	108
23	A General Method to Improve Fluorophores Using Deuterated Auxochromes. Jacs Au, 2021, 1, 690-696.	7.9	106
24	Bioorthogonal labeling with tetrazine-dyes for super-resolution microscopy. Communications Biology, 2019, 2, 261.	4.4	101
25	Live-cell single-molecule tracking reveals co-recognition of H3K27me3 and DNA targets polycomb Cbx7-PRC1 to chromatin. ELife, 2016, 5, .	6.0	95
26	Nanoscale subcellular architecture revealed by multicolor three-dimensional salvaged fluorescence imaging. Nature Methods, 2020, 17, 225-231.	19.0	95
27	Quantifying transcription factor binding dynamics at the single-molecule level in live cells. Methods, 2017, 123, 76-88.	3.8	81
28	Synthesis of Janelia Fluor HaloTag and SNAP-Tag Ligands and Their Use in Cellular Imaging Experiments. Methods in Molecular Biology, 2017, 1663, 179-188.	0.9	81
29	Visualizing long-term single-molecule dynamics in vivo by stochastic protein labeling. Proceedings of the United States of America, 2018, 115, 343-348.	7.1	79
30	Semisynthetic fluorescent pH sensors for imaging exocytosis and endocytosis. Nature Communications, 2017, 8, 1412.	12.8	77
31	Real-time imaging of Huntingtin aggregates diverting target search and gene transcription. ELife, 2016, 5, .	6.0	74
32	A toolbox for multiplexed super-resolution imaging of the E. coli nucleoid and membrane using novel PAINT labels. Scientific Reports, 2018, 8, 14768.	3.3	68
33	Rapid dynamics of general transcription factor TFIIB binding during preinitiation complex assembly revealed by single-molecule analysis. Genes and Development, 2016, 30, 2106-2118.	5.9	60
34	Cohesin Can Remain Associated with Chromosomes during DNA Replication. Cell Reports, 2017, 20, 2749-2755.	6.4	59
35	Virginia Orange: A Versatile, Red-Shifted Fluorescein Scaffold for Single- and Dual-Input Fluorogenic Probes. Bioconjugate Chemistry, 2016, 27, 474-480	3.6	56
36	A dynamic interplay of enhancer elements regulates <i>Klf4</i> expression in naÃ <sup>-</sup> ve pluripotency. Genes and Development, 2017, 31, 1795-1808.	5.9	49

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37	Enabling <i>In Vivo</i> Photocatalytic Activation of Rapid Bioorthogonal Chemistry by Repurposing Silicon-Rhodamine Fluorophores as Cytocompatible Far-Red Photocatalysts. Journal of the American Chemical Society, 2021, 143, 10793-10803.	13.7	47
38	Desensitized D2 autoreceptors are resistant to trafficking. Scientific Reports, 2017, 7, 4379.	3.3	42
39	Synthesis of a Farâ€Red Photoactivatable Siliconâ€Containing Rhodamine for Superâ€Resolution Microscopy. Angewandte Chemie, 2016, 128, 1755-1759.	2.0	40
40	Cell-Specific Chemical Delivery Using a Selective Nitroreductase–Nitroaryl Pair. ACS Chemical Biology, 2018, 13, 2888-2896.	3.4	38
41	Rational Design of Bioavailable Photosensitizers for Manipulation and Imaging of Biological Systems. Cell Chemical Biology, 2020, 27, 1063-1072.e7.	5.2	23
42	Optimization of fluorophores for chemical tagging and immunohistochemistry of Drosophila neurons. PLoS ONE, 2018, 13, e0200759.	2.5	21
43	Biosensors based on peptide exposure show single molecule conformations in live cells. Cell, 2021, 184, 5670-5685.e23.	28.9	15
44	Design and Synthesis of a Calcium ensitive Photocage. Angewandte Chemie - International Edition, 2016, 55, 8363-8366.	13.8	13
45	Novel Fluorescent Ligands Enable Single-Molecule Localization Microscopy of the Dopamine Transporter. ACS Chemical Neuroscience, 2020, 11, 3288-3300.	3.5	12
46	Direct detection of SARS-CoV-2 RNA using high-contrast pH-sensitive dyes. Journal of Biomolecular Techniques, 2021, 32, 121-133.	1.5	9
47	Design and Synthesis of a Calcium ensitive Photocage. Angewandte Chemie, 2016, 128, 8503-8506.	2.0	2
48	Innenrücktitelbild: Synthesis of a Farâ€Red Photoactivatable Siliconâ€Containing Rhodamine for Superâ€Resolution Microscopy (Angew. Chem. 5/2016). Angewandte Chemie, 2016, 128, 1961-1961.	2.0	0