

# Arnaud Gautier

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

3,122  
citations

279701

23  
h-index

189801

50  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3590  
citing authors

#	ARTICLE	IF	CITATIONS
1	An expanded palette of fluorogenic HaloTag probes with enhanced contrast for targeted cellular imaging. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3619-3628.	1.5	6
2	Reciprocal Regulation of Shh Trafficking and H2O2 Levels via a Noncanonical BOC-Rac1 Pathway. <i>Antioxidants</i> , 2022, 11, 718.	2.2	4
3	Isolating and Engineering Fluorescence-Activating Proteins Using Yeast Surface Display. <i>Methods in Molecular Biology</i> , 2022, 2491, 593-626.	0.4	0
4	Orthogonal fluorescent chemogenetic reporters for multicolor imaging. <i>Nature Chemical Biology</i> , 2021, 17, 30-38.	3.9	43
5	Versatile On-Demand Fluorescent Labeling of Fusion Proteins Using Fluorescence-Activating and Absorption-Shifting Tag (FAST). <i>Methods in Molecular Biology</i> , 2021, 2350, 253-265.	0.4	5
6	Engineering of a fluorescent chemogenetic reporter with tunable color for advanced live-cell imaging. <i>Nature Communications</i> , 2021, 12, 6989.	5.8	35
7	Fluorescent secreted bacterial effectors reveal active intravacuolar proliferation of <i>Listeria monocytogenes</i> in epithelial cells. <i>PLoS Pathogens</i> , 2020, 16, e1009001.	2.1	18
8	Visualizing the dynamics of exported bacterial proteins with the chemogenetic fluorescent reporter FAST. <i>Scientific Reports</i> , 2020, 10, 15791.	1.6	15
9	A Far-Red Emitting Fluorescent Chemogenetic Reporter for In Vivo Molecular Imaging. <i>Angewandte Chemie</i> , 2020, 132, 18073-18079.	1.6	14
10	A Far-Red Emitting Fluorescent Chemogenetic Reporter for In Vivo Molecular Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17917-17923.	7.2	29
11	Illuminating Cellular Biochemistry: Fluorogenic Chemogenetic Biosensors for Biological Imaging. <i>ChemPlusChem</i> , 2020, 85, 1487-1497.	1.3	13
12	Engineering Glowing Chemogenetic Hybrids for Spying on Cells. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5637-5646.	1.2	5
13	Sensing cellular biochemistry with fluorescent chemical-genetic hybrids. <i>Current Opinion in Chemical Biology</i> , 2020, 57, 58-64.	2.8	19
14	Title is missing!. , 2020, 16, e1009001.		0
15	Title is missing!. , 2020, 16, e1009001.		0
16	Title is missing!. , 2020, 16, e1009001.		0
17	Title is missing!. , 2020, 16, e1009001.		0
18	Live cell super resolution imaging by radial fluctuations using fluorogen binding tags. <i>Nanoscale</i> , 2019, 11, 3626-3632.	2.8	20

#	ARTICLE	IF	CITATIONS
19	A split fluorescent reporter with rapid and reversible complementation. <i>Nature Communications</i> , 2019, 10, 2822.	5.8	79
20	Single-Molecule Localization Microscopy with the Fluorescence-Activating and Absorption-Shifting Tag (FAST) System. <i>ACS Chemical Biology</i> , 2019, 14, 1115-1120.	1.6	26
21	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. <i>ChemBioChem</i> , 2019, 20, 968-973.	1.3	0
22	Next-Generation Fluorogen-Based Reporters and Biosensors for Advanced Bioimaging. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6142.	1.8	35
23	Simple imaging protocol for autofluorescence elimination and optical sectioning in fluorescence endomicroscopy. <i>Optica</i> , 2019, 6, 972.	4.8	9
24	Macro-scale fluorescence imaging against autofluorescence under ambient light. <i>Light: Science and Applications</i> , 2018, 7, 97.	7.7	14
25	Improved Chemical-Genetic Fluorescent Markers for Live Cell Microscopy. <i>Biochemistry</i> , 2018, 57, 5648-5653.	1.2	34
26	Fluorogenic Protein-Based Strategies for Detection, Actuation, and Sensing. <i>BioEssays</i> , 2018, 40, e1800118.	1.2	12
27	Fluorogenic Probing of Membrane Protein Trafficking. <i>Bioconjugate Chemistry</i> , 2018, 29, 1823-1828.	1.8	24
28	The inducible chemical-genetic fluorescent marker FAST outperforms classical fluorescent proteins in the quantitative reporting of bacterial biofilm dynamics. <i>Scientific Reports</i> , 2018, 8, 10336.	1.6	32
29	Circularly Permuted Fluorogenic Proteins for the Design of Modular Biosensors. <i>ACS Chemical Biology</i> , 2018, 13, 2392-2397.	1.6	27
30	CHAPTER 3. The Glowing Panoply of Fluorogen-based Markers for Advanced Bioimaging. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2018, , 41-62.	0.3	0
31	Dynamic multicolor protein labeling in living cells. <i>Chemical Science</i> , 2017, 8, 5598-5605.	3.7	76
32	PSL Chemical Biology Symposia First 2016 Edition: When Chemistry and Biology Share the Language of Discovery. <i>ChemBioChem</i> , 2017, 18, 883-887.	1.3	1
33	Chromophore Renewal and Fluorogen-Binding Tags: A Match Made to Last. <i>Scientific Reports</i> , 2017, 7, 12316.	1.6	16
34	Resonant out-of-phase fluorescence microscopy and remote imaging overcome spectral limitations. <i>Nature Communications</i> , 2017, 8, 969.	5.8	41
35	Fluorogenic Labeling Strategies for Biological Imaging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1473.	1.8	65
36	Kinetics of Reactive Modules Adds Discriminative Dimensions for Selective Cell Imaging. <i>ChemPhysChem</i> , 2016, 17, 1396-1413.	1.0	12

#	ARTICLE	IF	CITATIONS
37	Design and characterization of red fluorogenic push-pull chromophores holding great potential for bioimaging and biosensing. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9253-9261.	1.5	26
38	Small fluorescence-activating and absorption-shifting tag for tunable protein imaging in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 497-502.	3.3	186
39	Photoswitching Kinetics and Phase-Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. <i>Angewandte Chemie</i> , 2015, 127, 2671-2675.	1.6	35
40	Fluorogen-based reporters for fluorescence imaging: a review. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 042007.	1.1	40
41	Photoswitching Kinetics and Phase-Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2633-2637.	7.2	36
42	Site-Specific Protein Labeling. <i>Methods in Molecular Biology</i> , 2015, 1266, v-viii.	0.4	29
43	Expanding discriminative dimensions for analysis and imaging. <i>Chemical Science</i> , 2015, 6, 2968-2978.	3.7	10
44	Light-Activated Proteolysis for the Spatiotemporal Control of Proteins. <i>ACS Chemical Biology</i> , 2015, 10, 1643-1647.	1.6	34
45	Nitric Oxide-Triggered Remodeling of Chloroplast Bioenergetics and Thylakoid Proteins upon Nitrogen Starvation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2014, 26, 353-372.	3.1	110
46	How to control proteins with light in living systems. <i>Nature Chemical Biology</i> , 2014, 10, 533-541.	3.9	216
47	Photochemical properties of Spinach and its use in selective imaging. <i>Chemical Science</i> , 2013, 4, 2865.	3.7	44
48	Modification-Free Photocontrol of $\beta$ -Lactam Conversion with Spatiotemporal Resolution. <i>ACS Synthetic Biology</i> , 2012, 1, 526-531.	1.9	11
49	Self-Immolative Spacer for Uncaging with Fluorescence Reporting. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9344-9347.	7.2	39
50	Light-Activated Kinases Enable Temporal Dissection of Signaling Networks in Living Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 2124-2127.	6.6	143
51	Genetically Encoded Photocontrol of Protein Localization in Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 4086-4088.	6.6	232
52	Selective Cross-Linking of Interacting Proteins Using Self-Labeling Tags. <i>Journal of the American Chemical Society</i> , 2009, 131, 17954-17962.	6.6	65
53	An Engineered Protein Tag for Multiprotein Labeling in Living Cells. <i>Chemistry and Biology</i> , 2008, 15, 128-136.	6.2	940
54	Chemical probes shed light on protein function. <i>Current Opinion in Structural Biology</i> , 2007, 17, 488-494.	2.6	171

#	ARTICLE	IF	CITATIONS
55	AGT/SNAP-Tag: A Versatile Tag for Covalent Protein Labeling. , 0, , 89-107.		2