Yaowen Wu

List of Publications by Year
in descending order

95 papers	2,836 citations	147726 31 h-index	197736 49 g-index
111 all docs	111 docs citations	111 times ranked	3822 citing authors

#	Article	IF	Citations
1	Induction of autophagy and endoplasmic reticulum autophagy caused by cadmium telluride quantum dots are protective mechanisms of yeast cell. Journal of Applied Toxicology, 2022, 42, 1146-1158.	1.4	6
2	Synthesis of 20â€Membered Macrocyclic Pseudoâ€Natural Products Yields Inducers of LC3 Lipidation. Angewandte Chemie, 2022, 134, .	1.6	1
3	Atg8â€“PE protein-based <i>in vitro</i> biochemical approaches to autophagy studies. Autophagy, 2022, 18, 2020-2035.	4.3	10
4	Synthesis of 20â€Membered Macrocyclic Pseudoâ€Natural Products Yields Inducers of LC3 Lipidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
5	Monitoring the Response of Multiple Signal Network Components to Acute Chemoâ€Optogenetic Perturbations in Living Cells. ChemBioChem, 2022, 23, e202100582.	1.3	3
6	Ultrafast and selective labeling of endogenous proteins using affinity-based benzotriazole chemistry. Chemical Science, 2022, 13, 7240-7246.	3.7	2
7	Mechanism of ER stress-mediated ER-phagy by CdTe-QDs in yeast cells. Toxicology Letters, 2022, 365, 36-45.	0.4	2
8	RAB33B recruits the ATG16L1 complex to the phagophore via a noncanonical RAB binding protein. Autophagy, 2021, 17, 2290-2304.	4.3	21
9	<i>Vibrio cholerae</i> cytotoxin MakA induces noncanonical autophagy resulting in the spatial inhibition of canonical autophagy. Journal of Cell Science, 2021, 134, .	1.2	8
10	Host Delipidation Mediated by Bacterial Effectors. Trends in Microbiology, 2021, 29, 238-250.	3.5	8
11	Imaging of Spatial Cycling of Rab GTPase in the Cell. Methods in Molecular Biology, 2021, 2293, 105-115.	0.4	1
12	Spatiotemporal Imaging of Small GTPase Activity Using Conformational Sensors for GTPase Activity (COSGA). Methods in Molecular Biology, 2021, 2262, 259-267.	0.4	1
13	Thermal proteome profiling identifies the membrane-bound purinergic receptor P2X4 as a target of the autophagy inhibitor indophagolin. Cell Chemical Biology, 2021, 28, 1750-1757.e5.	2.5	22
14	Inhibition of K-Ras4B-plasma membrane association with a membrane microdomain-targeting peptide. Chemical Science, 2020, 11, 826-832.	3.7	6
15	Imageâ€Based Morphological Profiling Identifies a Lysosomotropic, Ironâ€Sequestering Autophagy Inhibitor. Angewandte Chemie - International Edition, 2020, 59, 5721-5729.	7.2	41
16	Distinct Mechanisms for Processing Autophagy Protein LC3â€PE by RavZ and ATG4B. ChemBioChem, 2020, 21, 3377-3382.	1.3	16
17	Phenotyping Reveals Targets of a Pseudoâ€Naturalâ€Product Autophagy Inhibitor. Angewandte Chemie, 2020, 132, 12570-12576.	1.6	19
18	Phenotyping Reveals Targets of a Pseudoâ€Naturalâ€Product Autophagy Inhibitor. Angewandte Chemie - International Edition, 2020, 59, 12470-12476.	7.2	39

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19	Imageâ€Based Morphological Profiling Identifies a Lysosomotropic, Ironâ€Sequestering Autophagy Inhibitor. Angewandte Chemie, 2020, 132, 5770-5778.	1.6	11
20	Chemical Biology of Autophagy-Related Proteins With Posttranslational Modifications: From Chemical Synthesis to Biological Applications. Frontiers in Chemistry, 2020, 8, 233.	1.8	4
21	Optogenetic Tuning Reveals Rho Amplification-Dependent Dynamics of a Cell Contraction Signal Network. Cell Reports, 2020, 33, 108467.	2.9	31
22	Lightâ€Induced Dimerization Approaches to Control Cellular Processes. Chemistry - A European Journal, 2019, 25, 12452-12463.	1.7	46
23	Frontispiece: Lightâ€Induced Dimerization Approaches to Control Cellular Processes. Chemistry - A European Journal, 2019, 25, .	1.7	0
24	Toward the role of cholesterol and cholesterol transfer protein in autophagosome biogenesis. Autophagy, 2019, 15, 2167-2168.	4.3	4
25	The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis. Nature Chemical Biology, 2019, 15, 710-720.	3.9	59
26	Affinity Conjugation for Rapid and Covalent Labeling of Proteins in Live Cells. Methods in Molecular Biology, 2019, 2008, 191-202.	0.4	0
27	Bacterial interaction with host autophagy. Virulence, 2019, 10, 352-362.	1.8	33
28	Modulation of autophagy by the novel mitochondrial complex I inhibitor Authipyrin. Bioorganic and Medicinal Chemistry, 2019, 27, 2444-2448.	1.4	13
29	Spatial Cycling of Rab GTPase, Driven by the GTPase Cycle, Controls Rabâ€™s Subcellular Distribution. Biochemistry, 2019, 58, 276-285.	1.2	12
30	Electroporated recombinant proteins as tools for in vivo functional complementation, imaging and chemical biology. ELife, 2019, 8, .	2.8	33
31	Identification of Novel Autophagy Inhibitors via Cell-Based High-Content Screening. Methods in Molecular Biology, 2018, 1854, 187-195.	0.4	5
32	Discovery of the novel autophagy inhibitor aumitin that targets mitochondrial complex I. Chemical Science, 2018, 9, 3014-3022.	3.7	34
33	Tunable and Photoswitchable Chemically Induced Dimerization for Chemoâ€optogenetic Control of Protein and Organelle Positioning. Angewandte Chemie, 2018, 130, 6912-6915.	1.6	7
34	Tunable and Photoswitchable Chemically Induced Dimerization for Chemoâ€optogenetic Control of Protein and Organelle Positioning. Angewandte Chemie - International Edition, 2018, 57, 6796-6799.	7.2	27
35	Generation of Intramolecular FRET Probes via Noncanonical Amino Acid Mutagenesis. Methods in Molecular Biology, 2018, 1728, 327-335.	0.4	2
36	Multidirectional Activity Control of Cellular Processes by a Versatile Chemoâ€optogenetic Approach. Angewandte Chemie, 2018, 130, 12169-12173.	1.6	7

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37	Multidirectional Activity Control of Cellular Processes by a Versatile Chemoâ€optogenetic Approach. Angewandte Chemie - International Edition, 2018, 57, 11993-11997.	7.2	18
38	Discovery of Novel Cinchonaâ€Alkaloidâ€Inspired Oxazatwistane Autophagy Inhibitors. Angewandte Chemie - International Edition, 2017, 56, 2145-2150.	7.2	60
39	Discovery of Novel Cinchonaâ€Alkaloidâ€Inspired Oxazatwistane Autophagy Inhibitors. Angewandte Chemie, 2017, 129, 2177-2182.	1.6	21
40	Phenotypic Identification of a Novel Autophagy Inhibitor Chemotype Targeting Lipid Kinase VPS34. Angewandte Chemie - International Edition, 2017, 56, 8153-8157.	7.2	45
41	Semisynthesis of autophagy protein LC3 conjugates. Bioorganic and Medicinal Chemistry, 2017, 25, 4971-4976.	1.4	23
42	Phenotypic Identification of a Novel Autophagy Inhibitor Chemotype Targeting Lipid Kinase VPS34. Angewandte Chemie, 2017, 129, 8265-8269.	1.6	8
43	Lift and cut: Anti-host autophagy mechanism of <i>Legionella pneumophila</i>. Autophagy, 2017, 13, 1467-1469.	4.3	14
44	â€œMolecular Activity Paintingâ€: schaltbare, lichtgesteuerte Manipulation in lebenden Zellen. Angewandte Chemie, 2017, 129, 6010-6014.	1.6	14
45	â€œMolecular Activity Paintingâ€: Switchâ€like, Lightâ€Controlled Perturbations inside Living Cells. Angewandte Chemie - International Edition, 2017, 56, 5916-5920.	7.2	38
46	Mechanisms of action of Rab proteins, key regulators of intracellular vesicular transport. Biological Chemistry, 2017, 398, 565-575.	1.2	59
47	InnenrÃ¼cktitelbild: â€œMolecular Activity Paintingâ€: schaltbare, lichtgesteuerte Manipulation in lebenden Zellen (Angew. Chem. 21/2017). Angewandte Chemie, 2017, 129, 6037-6037.	1.6	1
48	Elucidation of the anti-autophagy mechanism of the Legionella effector RavZ using semisynthetic LC3 proteins. ELife, 2017, 6, .	2.8	68
49	RÃ¼cktitelbild: Eintopfâ€N2C/C2C/N2Nâ€Proteinligationsstrategien zur Analyse schwacher Proteinâ€Proteinâ€Wechselwirkungen (Angew. Chem. 28/2016). Angewandte Chemie, 2016, 128, 8268-8268.	1.6	1
50	Spatiotemporal imaging of small GTPases activity in live cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14348-14353.	3.3	13
51	Eintopfâ€N2C/C2C/N2Nâ€Proteinligationsstrategien zur Analyse schwacher Proteinâ€Proteinâ€Wechselwirkungen. Angewandte Chemie, 2016, 128, 8262-8266.	1.6	2
52	Oneâ€Pot N2C/C2C/N2N Ligation To Trap Weak Proteinâ€“Protein Interactions. Angewandte Chemie - International Edition, 2016, 55, 8129-8133.	7.2	9
53	Selective chemical labeling of proteins. Organic and Biomolecular Chemistry, 2016, 14, 5417-5439.	1.5	141
54	Chemically induced dimerization: reversible and spatiotemporal control of protein function in cells. Current Opinion in Chemical Biology, 2015, 28, 194-201.	2.8	115

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55	Locking GTPases covalently in their functional states. Nature Communications, 2015, 6, 7773.	5.8	21
56	Chemical labeling of intracellular proteins via affinity conjugation and strain-promoted cycloadditions in live cells. Chemical Communications, 2015, 51, 16537-16540.	2.2	16
57	Chemical Synthesis and Biological Function of Lipidated Proteins. Topics in Current Chemistry, 2014, 362, 137-182.	4.0	12
58	Generation of an intramolecular threeâ€color fluorescence resonance energy transfer probe by siteâ€specific protein labeling. Journal of Peptide Science, 2014, 20, 115-120.	0.8	8
59	A Bioorthogonal Smallâ€Moleculeâ€Switch System for Controlling Protein Function in Live Cells. Angewandte Chemie, 2014, 126, 10213-10219.	1.6	9
60	A Bioorthogonal Smallâ€Moleculeâ€Switch System for Controlling Protein Function in Live Cells. Angewandte Chemie - International Edition, 2014, 53, 10049-10055.	7.2	45
61	The role of the hypervariable C-terminal domain in Rab GTPases membrane targeting. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2572-2577.	3.3	79
62	A Rapid and Fluorogenic TMP-AcBOPDIPY Probe for Covalent Labeling of Proteins in Live Cells. Journal of the American Chemical Society, 2014, 136, 4468-4471.	6.6	43
63	Prenylation of RabGTPases, Their Delivery to Membranes, and Rab Recycling. , 2014, , 3-16.		2
64	Semisynthetic Lipidated LC3 Protein Mediates Membrane Fusion. ChemBioChem, 2013, 14, 1296-1300.	1.3	33
65	RabGEFs are a major determinant for specific Rab membrane targeting. Journal of Cell Biology, 2013, 200, 287-300.	2.3	166
66	Dual lipidation of the brain-specific Cdc42 isoform regulates its functional properties. Biochemical Journal, 2013, 456, 311-322.	1.7	46
67	Tandem Orthogonal Chemically Induced Dimerization. ChemBioChem, 2013, 14, 1525-1527.	1.3	3
68	Rab GTPase Prenylation Hierarchy and Its Potential Role in Choroideremia Disease. PLoS ONE, 2013, 8, e81758.	1.1	51
69	Specific localization of Rabs at intracellular membranes. Biochemical Society Transactions, 2012, 40, 1421-1425.	1.6	5
70	Quantitative Analysis of Prenylated RhoA Interaction with Its Chaperone, RhoGDI. Journal of Biological Chemistry, 2012, 287, 26549-26562.	1.6	47
71	Development of Selective, Potent RabGGTase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 8330-8340.	2.9	34
72	Direct immobilization of oxyamine-modified proteins from cell lysates. Chemical Communications, 2012, 48, 10829.	2.2	17

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73	Liquid Chromatographic Analysis and Mass Spectrometric Identification of Farnesylated Peptides. Analytical Chemistry, 2012, 84, 6848-6855.	3.2	16
74	Flexible and General Synthesis of Functionalized Phosphoisoprenoids for the Study of Prenylation in vivo and in vitro. ChemBioChem, 2012, 13, 674-683.	1.3	15
75	Psoromic Acid is a Selective and Covalent Rab-Prenylation Inhibitor Targeting Autoinhibited RabGGTase. Journal of the American Chemical Society, 2012, 134, 7384-7391.	6.6	49
76	Oneâ€Pot Dualâ€Labeling of a Protein by Two Chemoselective Reactions. Angewandte Chemie - International Edition, 2011, 50, 8287-8290.	7.2	40
77	Inteinâ€Mediated Construction of a Library of Fluorescent Rab GTPase Probes. ChemBioChem, 2011, 12, 2813-2821.	1.3	2
78	Semisynthesis of Prenylated Rab GTPases by Click Ligation. ChemBioChem, 2011, 12, 2413-2417.	1.3	10
79	Organization and Function of the Rab Prenylation and Recycling Machinery. The Enzymes, 2011, , 147-162.	0.7	1
80	A Highly Efficient Strategy for Modification of Proteins at the Câ€…Terminus. Angewandte Chemie - International Edition, 2010, 49, 9417-9421.	7.2	66
81	Probing protein function by chemical modification. Journal of Peptide Science, 2010, 16, 514-523.	0.8	33
82	Membrane targeting mechanism of Rab GTPases elucidated by semisynthetic protein probes. Nature Chemical Biology, 2010, 6, 534-540.	3.9	119
83	Analysis of Protein Prenylation In Vitro and In Vivo Using Functionalized Phosphoisoprenoids. Current Protocols in Protein Science, 2010, 62, Unit14.3.	2.8	12
84	Structure of the Disordered C Terminus of Rab7 GTPase Induced by Binding to the Rab Geranylgeranyl Transferase Catalytic Complex Reveals the Mechanism of Rab Prenylation. Journal of Biological Chemistry, 2009, 284, 13185-13192.	1.6	40
85	Analysis of the eukaryotic prenylome by isoprenoid affinity tagging. Nature Chemical Biology, 2009, 5, 227-235.	3.9	160
86	Design, Synthesis, and Characterization of Peptide-Based Rab Geranylgeranyl Transferase Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 8025-8037.	2.9	22
87	Development of Selective RabGGTase Inhibitors and Crystal Structure of a RabGGTaseâ€“Inhibitor Complex. Angewandte Chemie - International Edition, 2008, 47, 3747-3750.	7.2	17
88	Structures of RabGGTaseâ€“substrate/product complexes provide insights into the evolution of protein prenylation. EMBO Journal, 2008, 27, 2444-2456.	3.5	54
89	Interaction analysis of prenylated Rab GTPase with Rab escort protein and GDP dissociation inhibitor explains the need for both regulators. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12294-12299.	3.3	99
90	A Synthetic Supramolecular Construct Modulating Protein Assembly in Cells. Angewandte Chemie - International Edition, 2007, 46, 1798-1802.	7.2	71

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91	Synthesis of a fluorescent analogue of geranylgeranyl pyrophosphate and its use in a high-throughput fluorometric assay for Rab geranylgeranyltransferase. Nature Protocols, 2007, 2, 2704-2711.	5.5	23
92	Identification and Specificity Profiling of Protein Prenyltransferase Inhibitors Using New Fluorescent Phosphoisoprenoids. Journal of the American Chemical Society, 2006, 128, 2822-2835.	6.6	88
93	A Protein Fluorescence Amplifier: Continuous Fluorometric Assay for Rab Geranylgeranyltransferase. ChemBioChem, 2006, 7, 1859-1861.	1.3	26
94	Displaced Ï€â€“Ï€ stacking and hydrogen bonds in 3-bromo-N-(2-hydroxy-1,1-dimethylethyl)benzamide. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o178-o179.	0.4	0
95	Synthesis, In Vitro Anticancer Evaluation, and Interference with Cell Cycle Progression of Nâ€Phosphoamino Acid Esters of Zidovudine and Stavudine. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1797-1811.	0.4	13