

# Weimin Xuan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2103264/publications.pdf>

Version: 2024-02-01

31  
papers

1,282  
citations

471509

17  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Probes for the Detection of Hydrogen Sulfide in Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2282-2284.	13.8	273
2	A FRET-based ratiometric fluorescent and colorimetric probe for the facile detection of organophosphonate nerve agent mimic DCP. <i>Chemical Communications</i> , 2013, 49, 10474.	4.1	114
3	A fluorescent probe capable of detecting H <sub>2</sub> S at submicromolar concentrations in cells. <i>Chemical Communications</i> , 2012, 48, 10669.	4.1	110
4	Genetically encoding phosphotyrosine and its nonhydrolyzable analog in bacteria. <i>Nature Chemical Biology</i> , 2017, 13, 845-849.	8.0	105
5	Rational design of a ratiometric fluorescent probe with a large emission shift for the facile detection of Hg <sup>2+</sup> . <i>Chemical Communications</i> , 2012, 48, 7292.	4.1	95
6	Reaction-Based "Off-On" Fluorescent Probe Enabling Detection of Endogenous Labile Fe <sup>2+</sup> and Imaging of Zn <sup>2+</sup> -induced Fe <sup>2+</sup> Flux in Living Cells and Elevated Fe <sup>2+</sup> in Ischemic Stroke. <i>Bioconjugate Chemistry</i> , 2016, 27, 302-308.	3.6	59
7	Central role of T helper 17 cells in chronic hypoxia-induced pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L609-L624.	2.9	59
8	Recombinant thiopeptides containing noncanonical amino acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3615-3620.	7.1	58
9	Genetic Incorporation of $\mu$ -N <sup>2</sup> -Hydroxyisobutyryl-lysine into Recombinant Histones. <i>ACS Chemical Biology</i> , 2015, 10, 1599-1603.	3.4	52
10	Protein Crosslinking by Genetically Encoded Noncanonical Amino Acids with Reactive Aryl Carbamate Side Chains. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5096-5100.	13.8	47
11	Genetic Incorporation of a Reactive Isothiocyanate Group into Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10065-10068.	13.8	45
12	Genetically Encoded Fluorescent Probe for Detecting Sirtuins in Living Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 12350-12353.	13.7	41
13	Site-Specific Incorporation of a Thioester Containing Amino Acid into Proteins. <i>ACS Chemical Biology</i> , 2018, 13, 578-581.	3.4	23
14	Genetic Incorporation of a Reactive Isothiocyanate Group into Proteins. <i>Angewandte Chemie</i> , 2016, 128, 10219-10222.	2.0	21
15	A General Supramolecular Approach to Regulate Protein Functions by Cucurbit[7]uril and Unnatural Amino Acid Recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11196-11200.	13.8	20
16	A Strategy for Creating Organisms Dependent on Noncanonical Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9170-9173.	13.8	19
17	Photo-triggered fluorescent theranostic prodrugs as DNA alkylating agents for mechlorethamine release and spatiotemporal monitoring. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6742-6748.	2.8	17
18	Genetically encoding $\mu$ -N <sup>2</sup> -benzoyllysine in proteins. <i>Chemical Communications</i> , 2021, 57, 1798-1801.	4.1	17

#	ARTICLE	IF	CITATIONS
19	A Single Reactive Noncanonical Amino Acid Is Able to Dramatically Stabilize Protein Structure. ACS Chemical Biology, 2019, 14, 1150-1153.	3.4	15
20	Constructing <i>de Novo</i> H <sub>2</sub> O <sub>2</sub> Signaling via Induced Protein Proximity. ACS Chemical Biology, 2015, 10, 1404-1410.	3.4	14
21	Engineering Iron Responses in Mammalian Cells by Signal-Induced Protein Proximity. ACS Synthetic Biology, 2017, 6, 921-927.	3.8	12
22	Diverse protein manipulations with genetically encoded glutamic acid benzyl ester. Chemical Science, 2021, 12, 9778-9785.	7.4	12
23	Protein Crosslinking by Genetically Encoded Noncanonical Amino Acids with Reactive Aryl Carbamate Side Chains. Angewandte Chemie, 2017, 129, 5178-5182.	2.0	10
24	A Strategy for Creating Organisms Dependent on Noncanonical Amino Acids. Angewandte Chemie, 2017, 129, 9298-9301.	2.0	6
25	Site-Specific Protein Modification with Reducing Carbohydrates. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
26	Sirtuin-Derived Covalent Binder for the Selective Recognition of Protein Crotonylation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	4
27	Rational design of a function-based selection method for genetically encoding acylated lysine derivatives. Organic and Biomolecular Chemistry, 2019, 17, 6127-6130.	2.8	2
28	Toward an Orthogonal Protein Lysine Acylation and Deacylation System. ChemBioChem, 2022, 23, e202100551.	2.6	2
29	A General Supramolecular Approach to Regulate Protein Functions by Cucurbit[7]uril and Unnatural Amino Acid Recognition. Angewandte Chemie, 2021, 133, 11296-11300.	2.0	0
30	Site-Specific Protein Modification with Reducing Carbohydrates. Angewandte Chemie, 0, , .	2.0	0
31	Sirtuin-Derived Covalent Binder for the Selective Recognition of Protein Crotonylation. Angewandte Chemie, 0, , .	2.0	0