

Xiaozhou Luo

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,706
citations

471509

17
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2891
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete biosynthesis of cannabinoids and their unnatural analogues in yeast. <i>Nature</i> , 2019, 567, 123-126.	27.8	473
2	Auranofin exerts broad-spectrum bactericidal activities by targeting thiol-redox homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4453-4458.	7.1	259
3	Enhancing protein stability with extended disulfide bonds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5910-5915.	7.1	136
4	Genetically encoding phosphotyrosine and its nonhydrolyzable analog in bacteria. <i>Nature Chemical Biology</i> , 2017, 13, 845-849.	8.0	105
5	An Immunosuppressive Antibody-Drug Conjugate. <i>Journal of the American Chemical Society</i> , 2015, 137, 3229-3232.	13.7	95
6	Design of Switchable Chimeric Antigen Receptor T Cells Targeting Breast Cancer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7520-7524.	13.8	92
7	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
8	Promoter Architecture and Promoter Engineering in <i>Saccharomyces cerevisiae</i> . <i>Metabolites</i> , 2020, 10, 320.	2.9	57
9	Engineering a long-acting, potent GLP-1 analog for microstructure-based transdermal delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4140-4145.	7.1	51
10	Genetic Incorporation of a Reactive Isothiocyanate Group into Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10065-10068.	13.8	45
11	Stapled, Long-Acting Glucagon-like Peptide 2 Analog with Efficacy in Dextran Sodium Sulfate Induced Mouse Colitis Models. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3218-3223.	6.4	37
12	Recombinant Macrocyclic Lanthipeptides Incorporating Non-Canonical Amino Acids. <i>Journal of the American Chemical Society</i> , 2017, 139, 11646-11649.	13.7	36
13	Functional human antibody CDR fusions as long-acting therapeutic endocrine agonists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1356-1361.	7.1	30
14	Engineering consortia by polymeric microbial swarmbots. <i>Nature Communications</i> , 2022, 13, .	12.8	29
15	Rational design of a Kv1.3 channel-blocking antibody as a selective immunosuppressant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11501-11506.	7.1	27
16	Genetic Incorporation of a Reactive Isothiocyanate Group into Proteins. <i>Angewandte Chemie</i> , 2016, 128, 10219-10222.	2.0	21
17	A synthetic promoter system for well-controlled protein expression with different carbon sources in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2021, 20, 202.	4.0	20
18	Stabilizing Protein Motifs with a Genetically Encoded Metal-Ion Chelator. <i>Cell Chemical Biology</i> , 2016, 23, 1098-1102.	5.2	16

#	ARTICLE	IF	CITATIONS
19	Expanding the Structural Diversity of Protein Building Blocks with Noncanonical Amino Acids Biosynthesized from Aromatic Thiols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10040-10048.	13.8	15
20	Homogeneously modified immunoglobulin domains for therapeutic application. <i>Current Opinion in Chemical Biology</i> , 2015, 28, 66-74.	6.1	14
21	Rational Design of Antibody Protease Inhibitors. <i>Journal of the American Chemical Society</i> , 2015, 137, 4042-4045.	13.7	14
22	An Epitope-Specific Respiratory Syncytial Virus Vaccine Based on an Antibody Scaffold. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14531-14534.	13.8	13
23	Engineering Bifunctional Antibodies with Constant Region Fusion Architectures. <i>Journal of the American Chemical Society</i> , 2017, 139, 18607-18615.	13.7	12
24	Recent Technologies for Genetic Code Expansion and their Implications on Synthetic Biology Applications. <i>Journal of Molecular Biology</i> , 2022, 434, 167382.	4.2	11
25	Construction and Screening of a Lentiviral Secretome Library. <i>Cell Chemical Biology</i> , 2017, 24, 767-771.e3.	5.2	9
26	Design of Switchable Chimeric Antigen Receptor T Cells Targeting Breast Cancer. <i>Angewandte Chemie</i> , 2016, 128, 7646-7650.	2.0	7
27	Human Microbiome and Its Medical Applications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 703585.	3.5	6
28	Discovery and characterization of a novel sub-group of UbiA-type terpene cyclases with a distinct motif I. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3057-3060.	4.5	5
29	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	3
30	Progress toward a reduced phage genetic code. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5247-5252.	3.0	2
31	Expanding the Structural Diversity of Protein Building Blocks with Noncanonical Amino Acids Biosynthesized from Aromatic Thiols. <i>Angewandte Chemie</i> , 2021, 133, 10128-10136.	2.0	2
32	Toward an Orthogonal Protein Lysine Acylation and Deacylation System. <i>ChemBioChem</i> , 2022, 23, e202100551.	2.6	2
33	The genetic incorporation of p-azidomethyl-L-phenylalanine into proteins in yeast. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1570-1573.	2.2	1
34	Precursor Quantitation Methods for Next Generation Food Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 849177.	4.1	1
35	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie</i> , 0, , .	2.0	0