

Tao Liu

List of Publications by Year in descending order

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47
papers

1,528
citations

304743

22
h-index

315739

38
g-index

58
all docs

58
docs citations

58
times ranked

2203
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Delivery of Cyclic Peptides into Mammalian Cells with Short Sequence Motifs. ACS Chemical Biology, 2013, 8, 423-431.	3.4	160
2	Enhancing protein stability with extended disulfide bonds. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5910-5915.	7.1	136
3	Genetically encoding phosphotyrosine and its nonhydrolyzable analog in bacteria. Nature Chemical Biology, 2017, 13, 845-849.	8.0	105
4	An Immunosuppressive Antibody-Drug Conjugate. Journal of the American Chemical Society, 2015, 137, 3229-3232.	13.7	95
5	Membrane Permeable Cyclic Peptidyl Inhibitors against Human Peptidylprolyl Isomerase Pin1. Journal of Medicinal Chemistry, 2010, 53, 2494-2501.	6.4	78
6	Improving the efficiency of precise genome editing with site-specific Cas9-oligonucleotide conjugates. Science Advances, 2020, 6, eaaz0051.	10.3	78
7	Antibody Conjugates-Recent Advances and Future Innovations. Antibodies, 2020, 9, 2.	2.5	75
8	High-Throughput Screening of One-Bead-One-Compound Libraries: Identification of Cyclic Peptidyl Inhibitors against Calcineurin/NFAT Interaction. ACS Combinatorial Science, 2011, 13, 537-546.	3.8	63
9	Recombinant thiopeptides containing noncanonical amino acids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3615-3620.	7.1	58
10	Genetic Incorporation of μ -N-2-Hydroxyisobutyryl-lysine into Recombinant Histones. ACS Chemical Biology, 2015, 10, 1599-1603.	3.4	52
11	Synthesis and screening of a cyclic peptide library: Discovery of small-molecule ligands against human prolactin receptor. Bioorganic and Medicinal Chemistry, 2009, 17, 1026-1033.	3.0	51
12	Therapeutic applications of genetic code expansion. Synthetic and Systems Biotechnology, 2018, 3, 150-158.	3.7	50
13	Enhancing Protein Stability with Genetically Encoded Noncanonical Amino Acids. Journal of the American Chemical Society, 2018, 140, 15997-16000.	13.7	49
14	Cas9 exo-endonuclease eliminates chromosomal translocations during genome editing. Nature Communications, 2022, 13, 1204.	12.8	40
15	Cyclic Peptide Inhibitors of HIV-1 Capsid-Human Lysyl-tRNA Synthetase Interaction. ACS Chemical Biology, 2012, 7, 761-769.	3.4	34
16	Proteomic Identification of Protein Tyrosine Phosphatase and Substrate Interactions in Living Mammalian Cells by Genetic Encoding of Irreversible Enzyme Inhibitors. Journal of the American Chemical Society, 2018, 140, 13253-13259.	13.7	32
17	Rational Design of CXCR4 Specific Antibodies with Elongated CDRs. Journal of the American Chemical Society, 2014, 136, 10557-10560.	13.7	31
18	Optical Control of a CRISPR/Cas9 System for Gene Editing by Using Photolabile crRNA. Angewandte Chemie - International Edition, 2020, 59, 20895-20899.	13.8	31

#	ARTICLE	IF	CITATIONS
19	Functional human antibody CDR fusions as long-acting therapeutic endocrine agonists. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1356-1361.	7.1	30
20	Dynamic crotonylation of EB1 by TIP60 ensures accurate spindle positioning in mitosis. Nature Chemical Biology, 2021, 17, 1314-1323.	8.0	29
21	Improving the efficiency of CRISPR-Cas12a-based genome editing with site-specific covalent Cas12a-crRNA conjugates. Molecular Cell, 2021, 81, 4747-4756.e7.	9.7	26
22	Molecular Binding Behavior of Pyridine-2,6-dicarboxamide-Bridged Bis(β -cyclodextrin) with Oligopeptides: A Switchable Molecular Binding Mode. Bioconjugate Chemistry, 2004, 15, 300-306.	3.6	25
23	A General Supramolecular Approach to Regulate Protein Functions by Cucurbit[7]uril and Unnatural Amino Acid Recognition. Angewandte Chemie - International Edition, 2021, 60, 11196-11200.	13.8	20
24	Site-specific protein modification by genetic encoded disulfide compatible thiols. Chinese Chemical Letters, 2020, 31, 163-166.	9.0	17
25	Genetic-code-expanded cell-based therapy for treating diabetes in mice. Nature Chemical Biology, 2022, 18, 47-55.	8.0	17
26	Expanding the Structural Diversity of Protein Building Blocks with Noncanonical Amino Acids Biosynthesized from Aromatic Thiols. Angewandte Chemie - International Edition, 2021, 60, 10040-10048.	13.8	15
27	Homogeneously modified immunoglobulin domains for therapeutic application. Current Opinion in Chemical Biology, 2015, 28, 66-74.	6.1	14
28	Rational Design of Antibody Protease Inhibitors. Journal of the American Chemical Society, 2015, 137, 4042-4045.	13.7	14
29	An Epitope-Specific Respiratory Syncytial Virus Vaccine Based on an Antibody Scaffold. Angewandte Chemie - International Edition, 2015, 54, 14531-14534.	13.8	13
30	Structure-Based Optimization of a Peptidyl Inhibitor against Calcineurin-Nuclear Factor of Activated T Cell (NFAT) Interaction. Journal of Medicinal Chemistry, 2014, 57, 7792-7797.	6.4	10
31	Thermophilic Pyrrolysyl-tRNA Synthetase Mutants for Enhanced Mammalian Genetic Code Expansion. ACS Synthetic Biology, 2020, 9, 2723-2736.	3.8	10
32	Recent Advances in Genetic Code Expansion Techniques for Protein Phosphorylation Studies. Journal of Molecular Biology, 2022, 434, 167406.	4.2	10
33	Construction and Screening of a Lentiviral Secretome Library. Cell Chemical Biology, 2017, 24, 767-771.e3.	5.2	9
34	An Orthogonal Tyrosyl-tRNA Synthetase/tRNA Pair from a Thermophilic Bacterium for an Expanded Eukaryotic Genetic Code. Biochemistry, 2020, 59, 90-99.	2.5	9
35	A novel prognostic risk score model based on immune-related genes in patients with stage IV colorectal cancer. Bioscience Reports, 2020, 40, .	2.4	9
36	Rational design of minimum CRISPR guide RNA by site-specific Cas9-crRNA conjugation. Chemical Communications, 2020, 56, 7515-7518.	4.1	7

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37	Step further towards targeted senolytic therapy: therapeutic potential of uPAR-CAR T cells for senescence-related diseases. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 155.	17.1	6
38	Efficient Selection Scheme for Incorporating Noncanonical Amino Acids Into Proteins in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 569191.	4.1	4
39	When Supramolecular Chemistry Meets Chemical Biology: New Strategies to Target Proteins through Host-Guest Interactions. <i>ChemBioChem</i> , 2021, 22, 2914-2917.	2.6	4
40	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	3
41	Non-viral gene delivery carrier of probe type host molecule-Interactions between DNA and β -cyclodextrin derivative complexes (I). <i>Science Bulletin</i> , 2006, 51, 530-535.	1.7	2
42	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
43	Efficient generation of locus-specific human CAR-T cells with CRISPR/cCas12a. <i>STAR Protocols</i> , 2022, 3, 101321.	1.2	2
44	Rational Design of Dual Agonist-Antibody Fusions as Long-acting Therapeutic Hormones. <i>ACS Chemical Biology</i> , 2016, 11, 2991-2995.	3.4	1
45	A General Supramolecular Approach to Regulate Protein Functions by Cucurbit[7]uril and Unnatural Amino Acid Recognition. <i>Angewandte Chemie</i> , 2021, 133, 11296-11300.	2.0	0
46	Recent Advances in Genetic Code Expansion: From Cell Engineering to Protein Design. <i>Journal of Molecular Biology</i> , 2022, , 167565.	4.2	0
47	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie</i> , 0, , .	2.0	0