

Zhongping Tan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,661
citations

331259

21
h-index

301761

39
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39
docs citations

39
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying signatures of proteolytic stability and monomeric propensity in O-glycosylated insulin using molecular simulation. <i>Journal of Computer-Aided Molecular Design</i> , 2022, 36, 313-328.	1.3	2
2	Automated Peptide Synthesizers and Glycoprotein Synthesis. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	6
3	Development of a Glycoform Library-based Strategy to Decipher the Role of Protein Glycosylation. <i>Methods in Molecular Biology</i> , 2022, , 195-211.	0.4	2
4	Binding of the SARS-CoV-2 spike protein to glycans. <i>Science Bulletin</i> , 2021, 66, 1205-1214.	4.3	69
5	Genetic Code Expansion: A Brief History and Perspective. <i>Biochemistry</i> , 2021, 60, 3455-3469.	1.2	63
6	Protein Glycoengineering: An Approach for Improving Protein Properties. <i>Frontiers in Chemistry</i> , 2020, 8, 622.	1.8	51
7	Carbohydrate-binding module <i>O</i> -mannosylation alters binding selectivity to cellulose and lignin. <i>Chemical Science</i> , 2020, 11, 9262-9271.	3.7	13
8	O-GlcNAcylation of myosin phosphatase targeting subunit 1 (MYPT1) dictates timely disjunction of centrosomes. <i>Journal of Biological Chemistry</i> , 2020, 295, 7341-7349.	1.6	19
9	Chemical biology of glycoproteins: From chemical synthesis to biological impact. <i>Methods in Enzymology</i> , 2019, 621, 213-229.	0.4	35
10	Using Chemical Synthesis To Study and Apply Protein Glycosylation. <i>Biochemistry</i> , 2018, 57, 413-428.	1.2	20
11	The impact of <i>O</i> -glycan chemistry on the stability of intrinsically disordered proteins. <i>Chemical Science</i> , 2018, 9, 3710-3715.	3.7	23
12	O-GalNAcylation of RANTES Improves Its Properties as a Human Immunodeficiency Virus Type 1 Entry Inhibitor. <i>Biochemistry</i> , 2018, 57, 136-148.	1.2	5
13	Chemically Precise Glycoengineering Improves Human Insulin. <i>ACS Chemical Biology</i> , 2018, 13, 73-81.	1.6	27
14	Diversity in peptide recognition by the SH2 domain of SH2B1. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 164-176.	1.5	5
15	Methods for engineering therapeutic peptides. <i>Chinese Chemical Letters</i> , 2018, 29, 1074-1078.	4.8	23
16	Multimodal Recognition of Diverse Peptides by the C-Terminal SH2 Domain of Phospholipase C- β 1 Protein. <i>Biochemistry</i> , 2017, 56, 2225-2237.	1.2	5
17	Structural Insight into the Stabilizing Effect of O-Glycosylation. <i>Biochemistry</i> , 2017, 56, 2897-2906.	1.2	29
18	Chemical Synthesis of the Multiply Phosphorylated and Biotinylated N-Terminal Transactivation Domain of Human p53 (p53TAD). <i>Synlett</i> , 2017, 28, 1917-1922.	1.0	6

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19	Quantitative Effects of O-Linked Glycans on Protein Folding. <i>Biochemistry</i> , 2017, 56, 4539-4548.	1.2	14
20	Distinct roles of N- and O-glycans in cellulase activity and stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13667-13672.	3.3	76
21	Chemical Biology of Protein O-Glycosylation. <i>Chemical Biology</i> , 2017, , 48-93.	0.1	2
22	O-Glycosylation effects on family 1 carbohydrate-binding module solution structures. <i>FEBS Journal</i> , 2015, 282, 4341-4356.	2.2	18
23	Glycosylation of Cellulases. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2015, 72, 63-112.	0.4	38
24	Molecular-scale features that govern the effects of O-glycosylation on a carbohydrate-binding module. <i>Chemical Science</i> , 2015, 6, 7185-7189.	3.7	30
25	New Methods for Chemical Protein Synthesis. <i>Topics in Current Chemistry</i> , 2014, 363, 155-192.	4.0	8
26	Specificity of O-glycosylation in enhancing the stability and cellulose binding affinity of Family 1 carbohydrate-binding modules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7612-7617.	3.3	85
27	A convenient and efficient synthetic approach to mono-, di-, and tri-O-mannosylated Fmoc amino acids. <i>Tetrahedron Letters</i> , 2013, 54, 2190-2193.	0.7	11
28	Glycosylated linkers in multimodular lignocellulose-degrading enzymes dynamically bind to cellulose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14646-14651.	3.3	149
29	Advances in Proline Ligation. <i>Journal of the American Chemical Society</i> , 2012, 134, 3912-3916.	6.6	103
30	An Advance in Proline Ligation. <i>Journal of the American Chemical Society</i> , 2011, 133, 10784-10786.	6.6	114
31	Toward Homogeneous Erythropoietin: Application of Metal-Free Dethylation in the Chemical Synthesis of the Ala79-Arg166 Glycopeptide Domain. <i>Israel Journal of Chemistry</i> , 2011, 51, 968-976.	1.0	10
32	Application of the logic of cysteine-free native chemical ligation to the synthesis of Human Parathyroid Hormone (hPTH). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5986-5989.	3.3	62
33	Rational development of a strategy for modifying the aggregability of proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4297-4302.	3.3	53
34	Insights into the Finer Issues of Native Chemical Ligation: An Approach to Cascade Ligations. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9500-9503.	7.2	114
35	Toward Homogeneous Erythropoietin: Non-NCL-Based Chemical Synthesis of the Gln78-Arg166 Glycopeptide Domain. <i>Journal of the American Chemical Society</i> , 2009, 131, 5424-5431.	6.6	67
36	Synthesis of the fucosylated biantennary N-glycan of erythropoietin. <i>Tetrahedron Letters</i> , 2006, 47, 5577-5579.	0.7	54

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37	Mature homogeneous erythropoietin-level building blocks by chemical synthesis: the EPO 114-166 glycopeptide domain, presenting the O-linked glycoporphin. <i>Tetrahedron Letters</i> , 2006, 47, 8013-8016.	0.7	36
38	Programming peptidomimetic syntheses by translating genetic codes designed de novo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6353-6357.	3.3	184