

Yanwu Yang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

433
citations

933447

10
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective hinge in insulin opens to enable its receptor engagement. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3395-404.	7.1	142
2	Solution Structure of Proinsulin. Journal of Biological Chemistry, 2010, 285, 7847-7851.	3.4	62
3	An Achilles' Heel in an Amyloidogenic Protein and Its Repair. Journal of Biological Chemistry, 2010, 285, 10806-10821.	3.4	49
4	An ultra-stable single-chain insulin analog resists thermal inactivation and exhibits biological signaling duration equivalent to the native protein. Journal of Biological Chemistry, 2018, 293, 47-68.	3.4	32
5	Evolution of insulin at the edge of foldability and its medical implications. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29618-29628.	7.1	30
6	Doublesex and the Regulation of Sexual Dimorphism in <i>Drosophila melanogaster</i> . Journal of Biological Chemistry, 2008, 283, 7280-7292.	3.4	24
7	Biophysical Optimization of a Therapeutic Protein by Nonstandard Mutagenesis. Journal of Biological Chemistry, 2014, 289, 23367-23381.	3.4	20
8	Deciphering the Hidden Informational Content of Protein Sequences. Journal of Biological Chemistry, 2010, 285, 30989-31001.	3.4	17
9	Solution structure of an ultra-stable single-chain insulin analog connects protein dynamics to a novel mechanism of receptor binding. Journal of Biological Chemistry, 2018, 293, 69-88.	3.4	12
10	Human Sex Determination at the Edge of Ambiguity. Journal of Biological Chemistry, 2016, 291, 22173-22195.	3.4	11
11	Register-shift-insulin analogs uncover constraints of proteotoxicity in protein evolution. Journal of Biological Chemistry, 2020, 295, 3080-3098.	3.4	11
12	Insertion of a synthetic switch into insulin provides metabolite-dependent regulation of hormone-receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
13	Total synthesis of bovine pancreatic trypsin inhibitor and the protein diastereomer [<i>Gly37D</i> Ala] <i>BPTI</i> using Boc chemistry solid phase peptide synthesis. Peptide Science, 2020, 112, e24166.	1.8	6
14	Peptide Model of the Mutant Proinsulin Syndrome. I. Design and Clinical Correlation. Frontiers in Endocrinology, 2022, 13, 821069.	3.5	3
15	Peptide Model of the Mutant Proinsulin Syndrome. II. Nascent Structure and Biological Implications. Frontiers in Endocrinology, 2022, 13, 821091.	3.5	2
16	Insertion of a Synthetic Switch Into Insulin Provides Metabolite-Dependent Regulation of Hormone-Receptor Activation. Journal of the Endocrine Society, 2021, 5, A440-A440.	0.2	1