John G Menting

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8922825/publications.pdf

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25	2,067	394390	677123
papers	citations	19 h-index	22 g-index

25	25	25	1988
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Symmetric and asymmetric receptor conformation continuum induced by a new insulin. Nature Chemical Biology, 2022, 18, 511-519.	8.0	20
2	How insulin-like growth factor I binds to a hybrid insulin receptor type 1 insulin-like growth factor receptor. Structure, 2022, 30, 1098-1108.e6.	3.3	16
3	A structurally minimized yet fully active insulin based on cone-snail venom insulin principles. Nature Structural and Molecular Biology, 2020, 27, 615-624.	8.2	36
4	How ligand binds to the type 1 insulin-like growth factor receptor. Nature Communications, 2018, 9, 821.	12.8	99
5	The signalling conformation of the insulin receptor ectodomain. Nature Communications, 2018, 9, 4420.	12.8	98
6	Non-Standard Protein Engineering at the Boundary of Molecular Mechanics and Quantum Chemistry: Halogen-Based Design of Insulin Analogs. Biophysical Journal, 2017, 112, 53a.	0.5	0
7	Insulin in motion: The A6-A11 disulfide bond allosterically modulates structural transitions required for insulin activity. Scientific Reports, 2017, 7, 17239.	3.3	35
8	How ligand binds to the insulin-like growth factor receptor. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C386-C386.	0.1	0
9	Venom evolution provides inspiration for development of ultrafast-acting insulins. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C243-C243.	0.1	0
10	Extending Halogen-based Medicinal Chemistry to Proteins. Journal of Biological Chemistry, 2016, 291, 27023-27041.	3.4	25
11	A minimized human insulin-receptor-binding motif revealed in a Conus geographus venom insulin. Nature Structural and Molecular Biology, 2016, 23, 916-920.	8.2	70
12	Insulin Mimetic Peptide Disrupts the Primary Binding Site of the Insulin Receptor. Journal of Biological Chemistry, 2016, 291, 15473-15481.	3.4	31
13	Structural Congruency of Ligand Binding to the Insulin and Insulin/Type 1 Insulin-like Growth Factor Hybrid Receptors. Structure, 2015, 23, 1271-1282.	3.3	46
14	Aromatic Anchor at an Invariant Hormone-Receptor Interface. Journal of Biological Chemistry, 2014, 289, 34709-34727.	3.4	25
15	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
16	The insulin receptor changes conformation in unforeseen ways on ligand binding: Sharpening the picture of insulin receptor activation. BioEssays, 2013, 35, 945-954.	2.5	65
17	How insulin engages its primary binding site on the insulin receptor. Nature, 2013, 493, 241-245.	27.8	364
18	Structural resolution of a tandem hormone-binding element in the insulin receptor and its implications for design of peptide agonists. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6771-6776.	7.1	97

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19	Solution Structure of Ectodomains of the Insulin Receptor Family: The Ectodomain of the Type 1 Insulin-Like Growth Factor Receptor Displays Asymmetry of Ligand Binding Accompanied by Limited Conformational Change. Journal of Molecular Biology, 2009, 394, 878-892.	4.2	32
20	A Thermodynamic Study of Ligand Binding to the First Three Domains of the Human Insulin Receptor: Relationship between the Receptor Î±-Chain C-Terminal Peptide and the Site 1 Insulin Mimetic Peptides. Biochemistry, 2009, 48, 5492-5500.	2.5	23
21	Saturation transfer difference (STD) 1H-NMR experiments and in silico docking experiments to probe the binding of N-acetylneuraminic acid and derivatives to Vibrio cholerae sialidase. Proteins: Structure, Function and Bioinformatics, 2004, 56, 346-353.	2.6	19
22	Mutations in dihydropteroate synthase are responsible for sulfone and sulfonamide resistance in Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13944-13949.	7.1	369
23	The antimalarial drug, chloroquine, interacts with lactate dehydrogenase from Plasmodium falciparum. Molecular and Biochemical Parasitology, 1997, 88, 215-224.	1.1	50
24	Characterization of Flavonoid 3[prime],5[prime]-Hydroxylase in Microsomal Membrane Fraction of Petunia hybrida Flowers. Plant Physiology, 1994, 106, 633-642.	4.8	38
25	Cloning and expression of cytochrome P450 genes controlling flower colour. Nature, 1993, 366, 276-279.	27.8	367