Andisheh Abedini

List of Publications by Year
in descending order

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24 papers	2,074 citations	430874 18 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	2212 citing authors

#	Article	IF	Citations
1	Analysis of Baboon IAPP Provides Insight into Amyloidogenicity and Cytotoxicity of Human IAPP. Biophysical Journal, 2020, 118, 1142-1151.	0.5	19
2	The receptor for advanced glycation endproducts is a mediator of toxicity by IAPP and other proteotoxic aggregates: Establishing and exploiting common ground for novel amyloidosis therapies. Protein Science, 2018, 27, 1166-1180.	7.6	19
3	Analysis of the Role of the Conserved Disulfide in Amyloid Formation by Human Islet Amyloid Polypeptide in Homogeneous and Heterogeneous Environments. Biochemistry, 2018, 57, 3065-3074.	2.5	17
4	Diaphanous 1 (DIAPH1) is Highly Expressed in the Aged Human Medial Temporal Cortex and Upregulated in Myeloid Cells During Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 64, 995-1007.	2.6	18
5	Amyloidogenicity, Cytotoxicity, and Receptor Activity of Bovine Amylin: Implications for Xenobiotic Transplantation and the Design of Nontoxic Amylin Variants. ACS Chemical Biology, 2018, 13, 2747-2757.	3.4	17
6	RAGE binds preamyloid IAPP intermediates and mediates pancreatic Î² cell proteotoxicity. Journal of Clinical Investigation, 2018, 128, 682-698.	8.2	58
7	Evolutionary Adaptation and Amyloid Formation: Does the Reduced Amyloidogenicity and Cytotoxicity of Ursine Amylin Contribute to the Metabolic Adaption of Bears and Polar Bears?. Israel Journal of Chemistry, 2017, 57, 750-761.	2.3	13
8	Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. Journal of Diabetes Research, 2016, 2016, 1-18.	2.3	177
9	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. ELife, 2016, 5, .	6.0	126
10	Detection of Helical Intermediates During Amyloid Formation by Intrinsically Disordered Polypeptides and Proteins. Methods in Molecular Biology, 2016, 1345, 55-66.	0.9	11
11	RAGE Suppresses ABCG1-Mediated Macrophage Cholesterol Efflux in Diabetes. Diabetes, 2015, 64, 4046-4060.	0.6	54
12	Rationally Designed, Nontoxic, Nonamyloidogenic Analogues of Human Islet Amyloid Polypeptide with Improved Solubility. Biochemistry, 2014, 53, 5876-5884.	2.5	36
13	Islet amyloid polypeptide toxicity and membrane interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19279-19284.	7.1	128
14	Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. FEBS Letters, 2013, 587, 1106-1118.	2.8	166
15	Mechanisms of islet amyloidosis toxicity in type 2 diabetes. FEBS Letters, 2013, 587, 1119-1127.	2.8	162
16	Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. Journal of Molecular Biology, 2012, 421, 282-295.	4.2	75
17	A critical assessment of the role of helical intermediates in amyloid formation by natively unfolded proteins and polypeptides. Protein Engineering, Design and Selection, 2009, 22, 453-459.	2.1	177
18	A role for helical intermediates in amyloid formation by natively unfolded polypeptides?. Physical Biology, 2009, 6, 015005.	1.8	170

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19	A Single-Point Mutation Converts the Highly Amyloidogenic Human Islet Amyloid Polypeptide into a Potent Fibrillization Inhibitor. Journal of the American Chemical Society, 2007, 129, 11300-11301.	13.7	156
20	Characterization of the Heparin Binding Site in the N-Terminus of Human Pro-Islet Amyloid Polypeptide:â€‰ Implications for Amyloid Formation. Biochemistry, 2006, 45, 9228-9237.	2.5	43
21	Destabilization of Human IAPP Amyloid Fibrils by Proline Mutations Outside of the Putative Amyloidogenic Domain: Is There a Critical Amyloidogenic Domain in Human IAPP?. Journal of Molecular Biology, 2006, 355, 274-281.	4.2	92
22	Recovery and purification of highly aggregation-prone disulfide-containing peptides: Application to islet amyloid polypeptide. Analytical Biochemistry, 2006, 351, 181-186.	2.4	72
23	The Role of His-18 in Amyloid Formation by Human Islet Amyloid Polypeptideâ€. Biochemistry, 2005, 44, 16284-16291.	2.5	150
24	Incorporation of Pseudoproline Derivatives Allows the Facile Synthesis of Human IAPP, a Highly Amyloidogenic and Aggregation-Prone Polypeptide. Organic Letters, 2005, 7, 693-696.	4.6	111