

# 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	A critical assessment of the role of helical intermediates in amyloid formation by natively unfolded proteins and polypeptides. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 453-459.	2.1	177
2	Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-18.	2.3	177
3	A role for helical intermediates in amyloid formation by natively unfolded polypeptides?. <i>Physical Biology</i> , 2009, 6, 015005.	1.8	170
4	Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. <i>FEBS Letters</i> , 2013, 587, 1106-1118.	2.8	166
5	Mechanisms of islet amyloidosis toxicity in type 2 diabetes. <i>FEBS Letters</i> , 2013, 587, 1119-1127.	2.8	162
6	A Single-Point Mutation Converts the Highly Amyloidogenic Human Islet Amyloid Polypeptide into a Potent Fibrillization Inhibitor. <i>Journal of the American Chemical Society</i> , 2007, 129, 11300-11301.	13.7	156
7	The Role of His-18 in Amyloid Formation by Human Islet Amyloid Polypeptide. <i>Biochemistry</i> , 2005, 44, 16284-16291.	2.5	150
8	Islet amyloid polypeptide toxicity and membrane interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19279-19284.	7.1	128
9	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. <i>ELife</i> , 2016, 5, .	6.0	126
10	Incorporation of Pseudoproline Derivatives Allows the Facile Synthesis of Human IAPP, a Highly Amyloidogenic and Aggregation-Prone Polypeptide. <i>Organic Letters</i> , 2005, 7, 693-696.	4.6	111
11	Destabilization of Human IAPP Amyloid Fibrils by Proline Mutations Outside of the Putative Amyloidogenic Domain: Is There a Critical Amyloidogenic Domain in Human IAPP?. <i>Journal of Molecular Biology</i> , 2006, 355, 274-281.	4.2	92
12	Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. <i>Journal of Molecular Biology</i> , 2012, 421, 282-295.	4.2	75
13	Recovery and purification of highly aggregation-prone disulfide-containing peptides: Application to islet amyloid polypeptide. <i>Analytical Biochemistry</i> , 2006, 351, 181-186.	2.4	72
14	RAGE binds preamyloid IAPP intermediates and mediates pancreatic $\beta^2$ cell proteotoxicity. <i>Journal of Clinical Investigation</i> , 2018, 128, 682-698.	8.2	58
15	RAGE Suppresses ABCG1-Mediated Macrophage Cholesterol Efflux in Diabetes. <i>Diabetes</i> , 2015, 64, 4046-4060.	0.6	54
16	Characterization of the Heparin Binding Site in the N-Terminus of Human Pro-Islet Amyloid Polypeptide: Implications for Amyloid Formation. <i>Biochemistry</i> , 2006, 45, 9228-9237.	2.5	43
17	Rationally Designed, Nontoxic, Nonamyloidogenic Analogues of Human Islet Amyloid Polypeptide with Improved Solubility. <i>Biochemistry</i> , 2014, 53, 5876-5884.	2.5	36
18	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. <i>Protein Science</i> , 2018, 27, 1166-1180.	7.6	19

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19	Analysis of Baboon IAPP Provides Insight into Amyloidogenicity and Cytotoxicity of Human IAPP. <i>Biophysical Journal</i> , 2020, 118, 1142-1151.	0.5	19
20	Diaphanous 1 (DIAPH1) is Highly Expressed in the Aged Human Medial Temporal Cortex and Upregulated in Myeloid Cells During Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 995-1007.	2.6	18
21	Analysis of the Role of the Conserved Disulfide in Amyloid Formation by Human Islet Amyloid Polypeptide in Homogeneous and Heterogeneous Environments. <i>Biochemistry</i> , 2018, 57, 3065-3074.	2.5	17
22	Amyloidogenicity, Cytotoxicity, and Receptor Activity of Bovine Amylin: Implications for Xenobiotic Transplantation and the Design of Nontoxic Amylin Variants. <i>ACS Chemical Biology</i> , 2018, 13, 2747-2757.	3.4	17
23	Evolutionary Adaptation and Amyloid Formation: Does the Reduced Amyloidogenicity and Cytotoxicity of Ursine Amylin Contribute to the Metabolic Adaption of Bears and Polar Bears?. <i>Israel Journal of Chemistry</i> , 2017, 57, 750-761.	2.3	13
24	Detection of Helical Intermediates During Amyloid Formation by Intrinsically Disordered Polypeptides and Proteins. <i>Methods in Molecular Biology</i> , 2016, 1345, 55-66.	0.9	11