

Andrew D Miranker

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8266533/andrew-d-miranker-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

5,373

citations

36

h-index

68

g-index

68

ext. papers

5,779

ext. citations

9.2

avg, IF

5.79

L-index

#	Paper	IF	Citations
62	STEM Climate survey developed through student/faculty collaboration. <i>Teaching in Higher Education</i> , 2021 , 26, 65-80	1.4	2
61	Data Sanitization to Reduce Private Information Leakage from Functional Genomics. <i>Cell</i> , 2020 , 183, 905-917.e16	56.2	10
60	Identification of N-linked glycans as specific mediators of neuronal uptake of acetylated β synuclein. <i>PLoS Biology</i> , 2019 , 17, e3000318	9.7	25
59	Conformational switching within dynamic oligomers underpins toxic gain-of-function by diabetes-associated amyloid. <i>Nature Communications</i> , 2018 , 9, 1312	17.4	30
58	Targeting the Intrinsically Disordered Proteome Using Small-Molecule Ligands. <i>Methods in Enzymology</i> , 2018 , 611, 703-734	1.7	9
57	Foldamer-mediated manipulation of a pre-amyloid toxin. <i>Nature Communications</i> , 2016 , 7, 11412	17.4	43
56	Influence of the Human and Rat Islet Amyloid Polypeptides on Structure of Phospholipid Bilayers: Neutron Reflectometry and Fluorescence Microscopy Studies. <i>Langmuir</i> , 2016 , 32, 4382-91	4	9
55	Foldamer scaffolds suggest distinct structures are associated with alternative gains-of-function in a preamyloid toxin. <i>Chemical Communications</i> , 2016 , 52, 6391-4	5.8	14
54	Mapping Protein Conformational Landscapes under Strongly Native Conditions with Hydrogen Exchange Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10016-24	3.4	5
53	Islet amyloid-induced cell death and bilayer integrity loss share a molecular origin targetable with oligopyridylamide-based β helical mimetics. <i>Chemistry and Biology</i> , 2015 , 22, 369-78		40
52	Structure-Based Small Molecule Modulation of a Pre-Amyloid State: Pharmacological Enhancement of IAPP Membrane-Binding and Toxicity. <i>Biochemistry</i> , 2015 , 54, 3555-64	3.2	10
51	Amphiphilic oligoamide β helix peptidomimetics inhibit islet amyloid polypeptide aggregation. <i>Tetrahedron Letters</i> , 2015 , 56, 3670-3673	2	24
50	A solenoid design for assessing determinants of parallel β sheet registration. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 577-83	1.9	
49	Peptide amyloid surface display. <i>Biochemistry</i> , 2015 , 54, 987-93	3.2	7
48	Folded small molecule manipulation of islet amyloid polypeptide. <i>Chemistry and Biology</i> , 2014 , 21, 775-81		21
47	Small molecule screening in context: lipid-catalyzed amyloid formation. <i>Protein Science</i> , 2014 , 23, 1341-86.3		13
46	Fiber-dependent and -independent toxicity of islet amyloid polypeptide. <i>Biophysical Journal</i> , 2014 , 107, 2559-66	2.9	21

45	A foldamer approach to targeting membrane bound helical states of islet amyloid polypeptide. <i>Chemical Communications</i> , 2013 , 49, 4749-51	5.8	37
44	A common landscape for membrane-active peptides. <i>Protein Science</i> , 2013 , 22, 870-82	6.3	60
43	Common mechanism unites membrane poration by amyloid and antimicrobial peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6382-7	11.5	122
42	Concentration-dependent transitions govern the subcellular localization of islet amyloid polypeptide. <i>FASEB Journal</i> , 2012 , 26, 1228-38	0.9	69
41	A Membrane-Bound Antiparallel Dimer of Rat Islet Amyloid Polypeptide. <i>Angewandte Chemie</i> , 2011 , 123, 11051-11054	3.6	2
40	A membrane-bound antiparallel dimer of rat islet amyloid polypeptide. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10859-62	16.4	35
39	Islet amyloid polypeptide demonstrates a persistent capacity to disrupt membrane integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9460-5	11.5	113
38	Protein-induced photophysical changes to the amyloid indicator dye thioflavin T. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16863-8	11.5	231
37	Single-molecule fluorescence spectroscopy using phospholipid bilayer nanodiscs. <i>Methods in Enzymology</i> , 2010 , 472, 89-117	1.7	43
36	Synthetic alpha-helix mimetics as agonists and antagonists of islet amyloid polypeptide aggregation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 736-9	16.4	89
35	Metal binding sheds light on mechanisms of amyloid assembly. <i>Prion</i> , 2009 , 3, 1-4	2.3	35
34	A peptidomimetic approach to targeting pre-amyloidogenic states in type II diabetes. <i>Chemistry and Biology</i> , 2009 , 16, 943-50		76
33	Delineating the conformational elements responsible for Cu(2+)-induced oligomerization of beta-2 microglobulin. <i>Biochemistry</i> , 2009 , 48, 6610-7	3.2	16
32	The role of prefibrillar structures in the assembly of a peptide amyloid. <i>Journal of Molecular Biology</i> , 2009 , 393, 214-26	6.5	21
31	Helix stabilization precedes aqueous and bilayer-catalyzed fiber formation in islet amyloid polypeptide. <i>Journal of Molecular Biology</i> , 2009 , 393, 383-96	6.5	149
30	The interplay of catalysis and toxicity by amyloid intermediates on lipid bilayers: insights from type II diabetes. <i>Annual Review of Biophysics</i> , 2009 , 38, 125-52	21.1	187
29	A regulatable switch mediates self-association in an immunoglobulin fold. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 965-71	17.6	80
28	Amide inequivalence in the fibrillar assembly of islet amyloid polypeptide. <i>Protein Engineering, Design and Selection</i> , 2008 , 21, 147-54	1.9	47

27	Interaction of membrane-bound islet amyloid polypeptide with soluble and crystalline insulin. <i>Protein Science</i> , 2008 , 17, 1850-6	6.3	68
26	Direct detection of transient alpha-helical states in islet amyloid polypeptide. <i>Protein Science</i> , 2007 , 16, 110-7	6.3	178
25	Scope and utility of hydrogen exchange as a tool for mapping landscapes. <i>Protein Science</i> , 2007 , 16, 2378-90	6.3	12
24	Formation of a stable oligomer of beta-2 microglobulin requires only transient encounter with Cu(II). <i>Journal of Molecular Biology</i> , 2007 , 367, 1-7	6.5	34
23	Fiber-dependent amyloid formation as catalysis of an existing reaction pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12341-6	11.5	173
22	Conserved and cooperative assembly of membrane-bound alpha-helical states of islet amyloid polypeptide. <i>Biochemistry</i> , 2006 , 45, 9496-508	3.2	271
21	A native to amyloidogenic transition regulated by a backbone trigger. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 202-8	17.6	177
20	Contribution of the intrinsic disulfide to the assembly mechanism of islet amyloid. <i>Protein Science</i> , 2005 , 14, 231-9	6.3	60
19	Quantitative measurement of fibrillogenesis by mass spectrometry. <i>Methods in Molecular Biology</i> , 2005 , 299, 185-94	1.4	1
18	From chance to frequent encounters: origins of beta2-microglobulin fibrillogenesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1753, 92-9	4	36
17	Unzipping the mysteries of amyloid fiber formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4335-6	11.5	19
16	Oligomeric assembly of native-like precursors precedes amyloid formation by beta-2 microglobulin. <i>Biochemistry</i> , 2004 , 43, 7808-15	3.2	117
15	The mechanism of insulin action on islet amyloid polypeptide fiber formation. <i>Journal of Molecular Biology</i> , 2004 , 335, 221-31	6.5	97
14	Phospholipid catalysis of diabetic amyloid assembly. <i>Journal of Molecular Biology</i> , 2004 , 341, 1175-87	6.5	290
13	Formation of a copper specific binding site in non-native states of beta-2-microglobulin. <i>Biochemistry</i> , 2002 , 41, 10646-56	3.2	95
12	Islet amyloid: phase partitioning and secondary nucleation are central to the mechanism of fibrillogenesis. <i>Biochemistry</i> , 2002 , 41, 4694-703	3.2	276
11	Islet amyloid polypeptide: identification of long-range contacts and local order on the fibrillogenesis pathway. <i>Journal of Molecular Biology</i> , 2001 , 308, 783-94	6.5	114
10	Kidney dialysis-associated amyloidosis: a molecular role for copper in fiber formation. <i>Journal of Molecular Biology</i> , 2001 , 309, 339-45	6.5	151

9	Direct measurement of islet amyloid polypeptide fibrillogenesis by mass spectrometry. <i>Protein Science</i> , 2000 , 9, 427-31	6.3	45
8	Protein complexes and analysis of their assembly by mass spectrometry. <i>Current Opinion in Structural Biology</i> , 2000 , 10, 601-6	8.1	29
7	Global unfolding of a substrate protein by the Hsp100 chaperone ClpA. <i>Nature</i> , 1999 , 401, 90-3	50.4	371
6	Mechanistic studies of the folding of human lysozyme and the origin of amyloidogenic behavior in its disease-related variants. <i>Biochemistry</i> , 1999 , 38, 6419-27	3.2	160
5	Characterization of collapsed states in the early stages of the refolding of hen lysozyme. <i>Biochemistry</i> , 1998 , 37, 8473-80	3.2	30
4	Hydrogen exchange properties of proteins in native and denatured states monitored by mass spectrometry and NMR. <i>Protein Science</i> , 1997 , 6, 1316-24	6.3	87
3	Investigation of protein folding by mass spectrometry. <i>FASEB Journal</i> , 1996 , 10, 93-101	0.9	169
2	Cooperative Elements in Protein Folding Monitored by Electrospray Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 1995 , 117, 7548-7549	16.4	42
1	Detection of transient protein folding populations by mass spectrometry. <i>Science</i> , 1993 , 262, 896-900	33.3	555