Andrew D Miranker

List of Publications by Year
in descending order

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64 papers	6,010 citations	94433 37 h-index	114465 63 g-index
68 all docs	68 docs citations	68 times ranked	4748 citing authors

#	Article	IF	Citations
1	STEM Climate survey developed through studentâ€"faculty collaboration. Teaching in Higher Education, 2021, 26, 65-80.	2.6	4
2	Data Sanitization to Reduce Private Information Leakage from Functional Genomics. Cell, 2020, 183, 905-917.e16.	28.9	28
3	Identification of N-linked glycans as specific mediators of neuronal uptake of acetylated Î±-Synuclein. PLoS Biology, 2019, 17, e3000318.	5.6	42
4	Conformational switching within dynamic oligomers underpins toxic gain-of-function by diabetes-associated amyloid. Nature Communications, 2018, 9, 1312.	12.8	50
5	Targeting the Intrinsically Disordered Proteome Using Small-Molecule Ligands. Methods in Enzymology, 2018, 611, 703-734.	1.0	14
6	Recent Insight in Islet Amyloid Polypeptide Morphology, Structure, Membrane Interaction, and Toxicity in Type 2 Diabetes. Journal of Diabetes Research, 2016, 2016, 1-2.	2.3	11
7	Influence of the Human and Rat Islet Amyloid Polypeptides on Structure of Phospholipid Bilayers: Neutron Reflectometry and Fluorescence Microscopy Studies. Langmuir, 2016, 32, 4382-4391.	3.5	11
8	Foldamer scaffolds suggest distinct structures are associated with alternative gains-of-function in a preamyloid toxin. Chemical Communications, 2016, 52, 6391-6394.	4.1	20
9	Foldamer-mediated manipulation of a pre-amyloid toxin. Nature Communications, 2016, 7, 11412.	12.8	56
10	Structure-Based Small Molecule Modulation of a Pre-Amyloid State: Pharmacological Enhancement of IAPP Membrane-Binding and Toxicity. Biochemistry, 2015, 54, 3555-3564.	2.5	11
11	Amphiphilic oligoamide Î±-helix peptidomimetics inhibit islet amyloid polypeptide aggregation. Tetrahedron Letters, 2015, 56, 3670-3673.	1.4	31
12	A solenoid design for assessing determinants of parallel Â-sheet registration. Protein Engineering, Design and Selection, 2015, 28, 577-583.	2.1	0
13	Peptide Amyloid Surface Display. Biochemistry, 2015, 54, 987-993.	2.5	7
14	Mapping Protein Conformational Landscapes under Strongly Native Conditions with Hydrogen Exchange Mass Spectrometry. Journal of Physical Chemistry B, 2015, 119, 10016-10024.	2.6	7
15	Islet Amyloid-Induced Cell Death and Bilayer Integrity Loss Share a Molecular Origin Targetable with Oligopyridylamide-Based Î±-Helical Mimetics. Chemistry and Biology, 2015, 22, 369-378.	6.0	55
16	Fiber-Dependent and -Independent Toxicity of Islet Amyloid Polypeptide. Biophysical Journal, 2014, 107, 2559-2566.	0.5	28
17	Folded Small Molecule Manipulation of Islet Amyloid Polypeptide. Chemistry and Biology, 2014, 21, 775-781.	6.0	24
18	Small molecule screening in context: Lipidâ€catalyzed amyloid formation. Protein Science, 2014, 23, 1341-1348.	7.6	15

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19	A foldamer approach to targeting membrane bound helical states of islet amyloid polypeptide. Chemical Communications, 2013, 49, 4749.	4.1	42
20	A common landscape for membraneâ€active peptides. Protein Science, 2013, 22, 870-882.	7.6	77
21	Common mechanism unites membrane poration by amyloid and antimicrobial peptides. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6382-6387.	7.1	157
22	Concentrationâ€dependent transitions govern the subcellular localization of islet amyloid polypeptide. FASEB Journal, 2012, 26, 1228-1238.	0.5	76
23	p53 succumbs to peer pressure. Nature Chemical Biology, 2011, 7, 248-249.	8.0	5
24	A Membraneâ€Bound Antiparallel Dimer of Rat Islet Amyloid Polypeptide. Angewandte Chemie - International Edition, 2011, 50, 10859-10862.	13.8	37
25	Islet amyloid polypeptide demonstrates a persistent capacity to disrupt membrane integrity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9460-9465.	7.1	127
26	Synthetic Î±â€Helix Mimetics as Agonists and Antagonists of Islet Amyloid Polypeptide Aggregation. Angewandte Chemie - International Edition, 2010, 49, 736-739.	13.8	109
27	Protein-induced photophysical changes to the amyloid indicator dye thioflavin T. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16863-16868.	7.1	275
28	Single-Molecule Fluorescence Spectroscopy Using Phospholipid Bilayer Nanodiscs. Methods in Enzymology, 2010, 472, 89-117.	1.0	49
29	Metal binding sheds light on mechanisms of amyloid assembly. Prion, 2009, 3, 1-4.	1.8	38
30	A Peptidomimetic Approach to Targeting Pre-amyloidogenic States in Type II Diabetes. Chemistry and Biology, 2009, 16, 943-950.	6.0	88
31	Contribution of the intrinsic disulfide to the assembly mechanism of islet amyloid. Protein Science, 2009, 14, 231-239.	7.6	61
32	Delineating the Conformational Elements Responsible for Cu2+-Induced Oligomerization of Î²-2 Microglobulin. Biochemistry, 2009, 48, 6610-6617.	2.5	17
33	The Role of Prefibrillar Structures in the Assembly of a Peptide Amyloid. Journal of Molecular Biology, 2009, 393, 214-226.	4.2	22
34	Helix Stabilization Precedes Aqueous and Bilayer-Catalyzed Fiber Formation in Islet Amyloid Polypeptide. Journal of Molecular Biology, 2009, 393, 383-396.	4.2	170
35	The Interplay of Catalysis and Toxicity by Amyloid Intermediates on Lipid Bilayers: Insights from Type II Diabetes. Annual Review of Biophysics, 2009, 38, 125-152.	10.0	211
36	Interaction of membraneâ€bound islet amyloid polypeptide with soluble and crystalline insulin. Protein Science, 2008, 17, 1850-1856.	7.6	73

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37	A regulatable switch mediates self-association in an immunoglobulin fold. Nature Structural and Molecular Biology, 2008, 15, 965-971.	8.2	83
38	Amide inequivalence in the fibrillar assembly of islet amyloid polypeptide. Protein Engineering, Design and Selection, 2008, 21, 147-154.	2.1	52
39	Formation of a Stable Oligomer of Î²-2 Microglobulin Requires only Transient Encounter with Cu(II). Journal of Molecular Biology, 2007, 367, 1-7.	4.2	37
40	Fiber-dependent amyloid formation as catalysis of an existing reaction pathway. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12341-12346.	7.1	199
41	Direct detection of transient Î±-helical states in islet amyloid polypeptide. Protein Science, 2007, 16, 110-117.	7.6	196
42	Scope and utility of hydrogen exchange as a tool for mapping landscapes. Protein Science, 2007, 16, 2378-2390.	7.6	14
43	Conserved and Cooperative Assembly of Membrane-Bound Î±-Helical States of Islet Amyloid Polypeptideâ€. Biochemistry, 2006, 45, 9496-9508.	2.5	295
44	A native to amyloidogenic transition regulated by a backbone trigger. Nature Structural and Molecular Biology, 2006, 13, 202-208.	8.2	188
45	Quantitative Measurement of Fibrillogenesis by Mass Spectrometry. , 2005, 299, 185-194.		1
46	From chance to frequent encounters: Origins of Î²2-microglobulin fibrillogenesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1753, 92-99.	2.3	40
47	Fibres hinge on swapped domains. Nature, 2005, 437, 197-198.	27.8	7
48	Unzipping the mysteries of amyloid fiber formation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4335-4336.	7.1	20
49	Oligomeric Assembly of Native-like Precursors Precedes Amyloid Formation by Î²-2 Microglobulin. Biochemistry, 2004, 43, 7808-7815.	2.5	121
50	The Mechanism of Insulin Action on Islet Amyloid Polypeptide Fiber Formation. Journal of Molecular Biology, 2004, 335, 221-231.	4.2	105
51	Phospholipid Catalysis of Diabetic Amyloid Assembly. Journal of Molecular Biology, 2004, 341, 1175-1187.	4.2	328
52	Formation of a Copper Specific Binding Site in Non-Native States of Î²-2-Microglobulin. Biochemistry, 2002, 41, 10646-10656.	2.5	103
53	Islet Amyloid:â€‰ Phase Partitioning and Secondary Nucleation Are Central to the Mechanism of Fibrillogenesis. Biochemistry, 2002, 41, 4694-4703.	2.5	302
54	Islet amyloid polypeptide: identification of long-range contacts and local order on the fibrillogenesis pathway 1 1Edited by F. Cohen. Journal of Molecular Biology, 2001, 308, 783-794.	4.2	120

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55	Kidney dialysis-associated amyloidosis: a molecular role for copper in fiber formation. Journal of Molecular Biology, 2001, 309, 339-345.	4.2	162
56	Protein complexes and analysis of their assembly by mass spectrometry. Current Opinion in Structural Biology, 2000, 10, 601-606.	5.7	32
57	Direct measurement of islet amyloid polypeptide fibrillogenesis by mass spectrometry. Protein Science, 2000, 9, 427-431.	7.6	47
58	Global unfolding of a substrate protein by the Hsp100 chaperone ClpA. Nature, 1999, 401, 90-93.	27.8	408
59	Mechanistic Studies of the Folding of Human Lysozyme and the Origin of Amyloidogenic Behavior in Its Disease-Related Variants. Biochemistry, 1999, 38, 6419-6427.	2.5	165
60	Characterization of Collapsed States in the Early Stages of the Refolding of Hen Lysozymeâ€. Biochemistry, 1998, 37, 8473-8480.	2.5	31
61	Hydrogen exchange properties of proteins in native and denatured states monitored by mass spectrometry and NMR. Protein Science, 1997, 6, 1316-1324.	7.6	90
62	Investigation of protein folding by mass spectrometry. FASEB Journal, 1996, 10, 93-101.	0.5	175
63	Cooperative Elements in Protein Folding Monitored by Electrospray Ionization Mass Spectrometry. Journal of the American Chemical Society, 1995, 117, 7548-7549.	13.7	47
64	Detection of transient protein folding populations by mass spectrometry. Science, 1993, 262, 896-900.	12.6	590