Jody M. Mason

List of Publications by Year
in descending order

57 papers	2,563 citations	304368 22 h-index	197535 49 g-index
61 all docs	61 docs citations	61 times ranked	3456 citing authors

#	Article	IF	Citations
1	Coiled Coil Domains: Stability, Specificity, and Biological Implications. ChemBioChem, 2004, 5, 170-176.	1.3	611
2	Alpha-synuclein structure and Parkinsonâ€™s disease â€“ lessons and emerging principles. Molecular Neurodegeneration, 2019, 14, 29.	4.4	262
3	Taking the Myc out of cancer: toward therapeutic strategies to directly inhibit c-Myc. Molecular Cancer, 2021, 20, 3.	7.9	191
4	N-Methylated Peptide Inhibitors of Î²-Amyloid Aggregation and Toxicity. Optimization of the Inhibitor Structureâ€. Biochemistry, 2006, 45, 9906-9918.	1.2	181
5	Design and development of peptides and peptide mimetics as antagonists for therapeutic intervention. Future Medicinal Chemistry, 2010, 2, 1813-1822.	1.1	132
6	Semirational design of Jun-Fos coiled coils with increased affinity: Universal implications for leucine zipper prediction and design. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8989-8994.	3.3	127
7	Design strategies for anti-amyloid agents. Current Opinion in Structural Biology, 2003, 13, 526-532.	2.6	126
8	Effects of Core Mutations on the Folding of a Î²-Sheet Protein:â€‰ Implications for Backbone Organization in the I-State. Biochemistry, 1999, 38, 1377-1385.	1.2	86
9	Positive Aspects of Negative Design:â€‰ Simultaneous Selection of Specificity and Interaction Stability. Biochemistry, 2007, 46, 4804-4814.	1.2	55
10	Selectional and Mutational Scope of Peptides Sequestering the Junâ€“Fos Coiled-Coil Domain. Journal of Molecular Biology, 2008, 381, 73-88.	2.0	49
11	Selective antagonism of cJun for cancer therapy. Journal of Experimental and Clinical Cancer Research, 2020, 39, 184.	3.5	47
12	Truncated and Helix-Constrained Peptides with High Affinity and Specificity for the cFos Coiled-Coil of AP-1. PLoS ONE, 2013, 8, e59415.	1.1	43
13	Downsizing Proto-oncogene cFos to Short Helix-Constrained Peptides That Bind Jun. ACS Chemical Biology, 2017, 12, 2051-2061.	1.6	43
14	Intracellular Screening of a Peptide Library to Derive a Potent Peptide Inhibitor of Î±-Synuclein Aggregation. Journal of Biological Chemistry, 2015, 290, 7426-7435.	1.6	42
15	Improved Stability of the Jun-Fos Activator Protein-1 Coiled Coil Motif. Journal of Biological Chemistry, 2007, 282, 23015-23024.	1.6	39
16	Effects of Mutations on the Thermodynamics of a Protein Folding Reaction:Â Implications for the Mechanism of Formation of the Intermediate and Transition Statesâ€. Biochemistry, 2000, 39, 3480-3485.	1.2	37
17	Role of Hydrophobic and Electrostatic Interactions in Coiled Coil Stability and Specificity. Biochemistry, 2009, 48, 10380-10388.	1.2	34
18	Truncation, Randomization, and Selection. Journal of Biological Chemistry, 2011, 286, 29470-29479.	1.6	32

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19	Considerations in the Design and Optimization of Coiled Coil Structures. , 2007, 352, 35-70.		29
20	Deriving Heterospecific Self-Assembling Proteinâ€“Protein Interactions Using a Computational Interactome Screen. Journal of Molecular Biology, 2016, 428, 385-398.	2.0	29
21	The Influence of Intramolecular Bridges on the Dynamics of a Protein Folding Reaction. Biochemistry, 2002, 41, 12093-12099.	1.2	26
22	Low Energy Pathways and Non-native Interactions. Journal of Biological Chemistry, 2005, 280, 40494-40499.	1.6	25
23	Kinetics of an Individual Transmembrane Helix during Bacteriorhodopsin Folding. Journal of Molecular Biology, 2006, 357, 325-338.	2.0	25
24	Computational Prediction and Design for Creating Iteratively Larger Heterospecific Coiled Coil Sets. Biochemistry, 2017, 56, 1573-1584.	1.2	23
25	Steady-State Kinetics of Î±-Synuclein Ferrireductase Activity Identifies the Catalytically Competent Species. Biochemistry, 2017, 56, 2497-2505.	1.2	21
26	Thermodynamic analysis of Jun-Fos coiled coil peptide antagonists. FEBS Journal, 2011, 278, 663-672.	2.2	20
27	Retro-inversal of Intracellular Selected Î²-Amyloid-Interacting Peptides: Implications for a Novel Alzheimerâ€™s Disease Treatment. Biochemistry, 2014, 53, 2101-2111.	1.2	17
28	Downsizing the BAD BH3 peptide to small constrained Î±-helices with improved ligand efficiency. Organic and Biomolecular Chemistry, 2016, 14, 10939-10945.	1.5	16
29	Combining intracellular selection with protein-fragment complementation to derive AÂ interacting peptides. Protein Engineering, Design and Selection, 2013, 26, 463-470.	1.0	15
30	A series of helical Î±-synuclein fibril polymorphs are populated in the presence of lipid vesicles. Npj Parkinson's Disease, 2020, 6, 17.	2.5	14
31	iPEP: peptides designed and selected for interfering with protein interaction and function. Biochemical Society Transactions, 2008, 36, 1442-1447.	1.6	13
32	The Library Derived 4554W Peptide Inhibits Primary Nucleation of Î±-Synuclein. Journal of Molecular Biology, 2020, 432, 166706.	2.0	12
33	Designed Î²-Hairpins Inhibit LDH5 Oligomerization and Enzymatic Activity. Journal of Medicinal Chemistry, 2021, 64, 3767-3779.	2.9	12
34	Library construction, selection and modification strategies to generate therapeutic peptide-based modulators of proteinâ€“protein interactions. Future Medicinal Chemistry, 2014, 6, 2073-2092.	1.1	11
35	Computational Competitive and Negative Design To Derive a Specific cJun Antagonist. Biochemistry, 2018, 57, 6108-6118.	1.2	11
36	The role of a disulfide bridge in the stability and folding kinetics of Arabidopsis thaliana cytochrome c6A. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 311-318.	1.1	10

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37	Combining Constrained Heptapeptide Cassettes with Computational Design To Create Coiled-Coil Targeting Helical Peptides. ACS Chemical Biology, 2019, 14, 1293-1304.	1.6	10
38	Insights Into Peptide Inhibition of Alpha-Synuclein Aggregation. Frontiers in Neuroscience, 2020, 14, 561462.	1.4	10
39	Toward peptide-based inhibitors as therapies for Parkinson's disease. Future Medicinal Chemistry, 2015, 7, 2103-2105.	1.1	9
40	Intracellular selection of peptide inhibitors that target disulphideâ€bridged AÎ²₄₂ oligomers. Protein Science, 2014, 23, 1262-1274.	3.1	8
41	Excitation-Energy-Dependent Molecular Beacon Detects Early Stage Neurotoxic AÎ² Aggregates in the Presence of Cortical Neurons. ACS Chemical Neuroscience, 2019, 10, 1240-1250.	1.7	8
42	A Downsized and Optimised Intracellular Library-Derived Peptide Prevents Alpha-Synuclein Primary Nucleation and Toxicity Without Impacting Upon Lipid Binding. Journal of Molecular Biology, 2021, 433, 167323.	2.0	8
43	A General Method of Terminal Truncation, Evolution, and Re-Elongation to Generate Enzymes of Enhanced Stability. , 2007, 352, 275-304.		6
44	Exploiting Overlapping Advantages of In Vitro and In Cellulo Selection Systems to Isolate a Novel High-Affinity cJun Antagonist. ACS Chemical Biology, 2017, 12, 2579-2588.	1.6	6
45	Twists or turns: stabilising alpha vs. beta turns in tetrapeptides. Chemical Science, 2019, 10, 10595-10600.	3.7	6
46	Combined computational and intracellular peptide library screening: towards a potent and selective Fra1 inhibitor. RSC Chemical Biology, 2021, 2, 656-668.	2.0	5
47	An Approach to Derive Functional Peptide Inhibitors of Transcription Factor Activity. Jacs Au, 2022, 2, 996-1006.	3.6	5
48	Oral (â^')-Epicatechin Inhibits Progressive Tau Pathology in rTg4510 Mice Independent of Direct Actions at GSK3Î². Frontiers in Neuroscience, 2021, 15, 697319.	1.4	4
49	Library-Derived Peptide Aggregation Modulators of Parkinsonâ€™s Disease Early-Onset Î±-Synuclein Variants. ACS Chemical Neuroscience, 2022, 13, 1790-1804.	1.7	3
50	Electrostatic contacts in the activator proteinâ€1 coiled coil enhance stability predominantly by decreasing the unfolding rate. FEBS Journal, 2009, 276, 7305-7318.	2.2	2
51	Coupling Computational and Intracellular Screening and Selection Toward Co-compatible cJun and cFos Antagonists. Biochemistry, 2020, 59, 530-540.	1.2	2
52	Protein Engineering. Springer Protocols, 2008, , 587-629.	0.1	2
53	InÂvitro single molecule and bulk phase studies reveal the AP-1 transcription factor cFos binds to DNA without its partner cJun. Journal of Biological Chemistry, 2022, 298, 102229.	1.6	1
54	Coiled Coil Domains: Stability, Specificity, and Biological Implications. ChemInform, 2004, 35, no.	0.1	0

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55	Correction: Downsizing the BAD BH3 peptide to small constrained Î±-helices with improved ligand efficiency. Organic and Biomolecular Chemistry, 2016, 14, 11525-11525.	1.5	0
56	Targeting and Inhibiting Oncogenic Transcription Factors with D- and L-Peptides. , 0, 2007, .		0
57	Abstract 6313: A transcription block survival assay for the discovery of functional inhibitors of transcription factors. , 2020, , .		0