

Jeffrey L Mills

List of Publications by Year in descending order

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24
papers

694
citations

623734

14
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752698

20
g-index

25
all docs

25
docs citations

25
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating nanocavities of tunable sizes: Hollow helices. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11583-11588.	7.1	149
2	Metal-Mediated Affinity and Orientation Specificity in a Computationally Designed Protein Homodimer. Journal of the American Chemical Society, 2012, 134, 375-385.	13.7	95
3	Aromatic Ring-Flipping in Supercooled Water: Implications for NMR-Based Structural Biology of Proteins. Journal of the American Chemical Society, 2001, 123, 388-397.	13.7	72
4	Increasing Sequence Diversity with Flexible Backbone Protein Design: The Complete Redesign of a Protein Hydrophobic Core. Structure, 2012, 20, 1086-1096.	3.3	58
5	Toward Structural Biology in Supercooled Water. Journal of the American Chemical Society, 2000, 122, 3230-3231.	13.7	43
6	Combined NMR-observation of cold denaturation in supercooled water and heat denaturation enables accurate measurement of $\Delta\Delta G$ of protein unfolding. European Biophysics Journal, 2006, 35, 363-366.	2.2	43
7	Accurate protein structure modeling using sparse NMR data and homologous structure information. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9875-9880.	7.1	37
8	Protein dynamics in supercooled water: the search for slow motional modes. Journal of Biomolecular NMR, 2002, 23, 63-67.	2.8	32
9	Thermodynamic Stabilization of the Folded Domain of Prion Protein Inhibits Prion Infection in Vivo. Cell Reports, 2013, 4, 248-254.	6.4	28
10	A community resource of experimental data for NMR / X-ray crystal structure pairs. Protein Science, 2016, 25, 30-45.	7.6	24
11	Adenovirus RID β regulates endosome maturation by mimicking GTP-Rab7. Journal of Cell Biology, 2007, 179, 965-980.	5.2	23
12	Cyclopropanation of internal alkynylsilanes and diazoacetates catalyzed by copper(I)-N-heterocyclic carbene complexes. Organic and Biomolecular Chemistry, 2016, 14, 1742-1747.	2.8	18
13	Annotation of proteins of unknown function: initial enzyme results. Journal of Structural and Functional Genomics, 2015, 16, 43-54.	1.2	16
14	NMR-based structural biology of proteins in supercooled water. Journal of Structural and Functional Genomics, 2011, 12, 1-7.	1.2	14
15	NMR Structure and Dynamics of the Engineered Fluorescein-Binding Lipocalin FluA Reveal Rigidification of β -Barrel and Variable Loops upon Enthalpy-Driven Ligand Binding. Biochemistry, 2009, 48, 7411-7419.	2.5	11
16	Production of metal oxide thin films by pulsed arc molecular beam deposition. Review of Scientific Instruments, 2000, 71, 2125-2130.	1.3	8
17	Automated protein motif generation in the structure-based protein function prediction tool ProMOL. Journal of Structural and Functional Genomics, 2015, 16, 101-111.	1.2	8
18	Resonance assignments for the hypothetical protein yggU from Escherichia coli. Journal of Biomolecular NMR, 2003, 27, 285-286.	2.8	7

#	ARTICLE	IF	CITATIONS
19	¹ H, ¹³ C, and ¹⁵ N resonance assignments and secondary structure of the PWI domain from SRm160 using reduced dimensionality NMR. <i>Journal of Biomolecular NMR</i> , 2002, 22, 299-300.	2.8	4
20	Resonance assignments for the 21 kDa engineered fluorescein-binding lipocalin FluA. <i>Journal of Biomolecular NMR</i> , 2003, 27, 187-188.	2.8	3
21	Functional Characterization of NUDIX Hydrolases. <i>FASEB Journal</i> , 2018, 32, 796.16.	0.5	1
22	Solution NMR structures of proteins VPA0419 from <i>Vibrio parahaemolyticus</i> and yiiS from <i>Shigella flexneri</i> provide structural coverage for protein domain family PFAM 04175. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 779-784.	2.6	0
23	Solution NMR structure of the helicase associated domain BVU_0683(627-691) from <i>Bacteroides vulgatus</i> provides first structural coverage for protein domain family PF03457 and indicates domain binding to DNA. <i>Journal of Structural and Functional Genomics</i> , 2013, 14, 19-24.	1.2	0
24	A Redesigned Undergraduate Biochemistry Lab. <i>FASEB Journal</i> , 2016, 30, 880.8.	0.5	0