

Jeffrey L Mills

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

694
citations

623734

14
h-index

752698

20
g-index

25
all docs

25
docs citations

25
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Characterization of NUDIX Hydrolases. <i>FASEB Journal</i> , 2018, 32, 796-16.	0.5	1
2	A community resource of experimental data for <sc>NMR</sc> / <sc>X</sc>-ray crystal structure pairs. <i>Protein Science</i> , 2016, 25, 30-45.	7.6	24
3	Cyclopropanation of internal alkynylsilanes and diazoacetates catalyzed by copper(<sc>i</sc>) N-heterocyclic carbene complexes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1742-1747.	2.8	18
4	A Redesigned Undergraduate Biochemistry Lab. <i>FASEB Journal</i> , 2016, 30, 880.8.	0.5	0
5	Automated protein motif generation in the structure-based protein function prediction tool ProMOL. <i>Journal of Structural and Functional Genomics</i> , 2015, 16, 101-111.	1.2	8
6	Annotation of proteins of unknown function: initial enzyme results. <i>Journal of Structural and Functional Genomics</i> , 2015, 16, 43-54.	1.2	16
7	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
8	Thermodynamic Stabilization of the Folded Domain of Prion Protein Inhibits Prion Infection in Vivo. <i>Cell Reports</i> , 2013, 4, 248-254.	6.4	28
9	Accurate protein structure modeling using sparse NMR data and homologous structure information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9875-9880.	7.1	37
10	Metal-Mediated Affinity and Orientation Specificity in a Computationally Designed Protein Homodimer. <i>Journal of the American Chemical Society</i> , 2012, 134, 375-385.	13.7	95
11	Increasing Sequence Diversity with Flexible Backbone Protein Design: The Complete Redesign of a Protein Hydrophobic Core. <i>Structure</i> , 2012, 20, 1086-1096.	3.3	58
12	NMR-based structural biology of proteins in supercooled water. <i>Journal of Structural and Functional Genomics</i> , 2011, 12, 1-7.	1.2	14
13	Solution NMR structures of proteins VPA0419 from <i>Vibrio parahaemolyticus</i> and yitS 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
14	NMR Structure and Dynamics of the Engineered Fluorescein-Binding Lipocalin FluA Reveal Rigidification of Î2-Barrel and Variable Loops upon Enthalpy-Driven Ligand Binding. <i>Biochemistry</i> , 2009, 48, 7411-7419.	2.5	11
15	Adenovirus RID± regulates endosome maturation by mimicking GTP-Rab7. <i>Journal of Cell Biology</i> , 2007, 179, 965-980.	5.2	23
16	Combined NMR-observation of cold denaturation in supercooled water and heat denaturation enables accurate measurement of Î2C p of protein unfolding. <i>European Biophysics Journal</i> , 2006, 35, 363-366.	2.2	43
17	Resonance assignments for the 21 kDa engineered fluorescein-binding lipocalin FluA. <i>Journal of Biomolecular NMR</i> , 2003, 27, 187-188.	2.8	3
18	Resonance assignments for the hypothetical protein yggU from <i>Escherichia coli</i> . <i>Journal of Biomolecular NMR</i> , 2003, 27, 285-286.	2.8	7

#	ARTICLE	IF	CITATIONS
19	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
20	¹ H, ¹³ C, and ¹⁵ N resonance assignments and secondary structure of the PWI domain from SRm160 using reduced dimensionality NMR. Journal of Biomolecular NMR, 2002, 22, 299-300.	2.8	4
21	Protein dynamics in supercooled water: the search for slow motional modes. Journal of Biomolecular NMR, 2002, 23, 63-67.	2.8	32
22	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
23	Production of metal oxide thin films by pulsed arc molecular beam deposition. Review of Scientific Instruments, 2000, 71, 2125-2130.	1.3	8
24	Toward Structural Biology in Supercooled Water. Journal of the American Chemical Society, 2000, 122, 3230-3231.	13.7	43