

Matthew D Zimmerman

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,697
citations

516710

16
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

3231
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and immunologic characterization of bovine, horse, and rabbit serum albumins. <i>Molecular Immunology</i> , 2012, 52, 174-182.	2.2	756
2	A Novel Family of Sequence-specific Endoribonucleases Associated with the Clustered Regularly Interspaced Short Palindromic Repeats. <i>Journal of Biological Chemistry</i> , 2008, 283, 20361-20371.	3.4	177
3	A public database of macromolecular diffraction experiments. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1181-1193.	2.3	103
4	The future of crystallography in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 125-137.	5.0	70
5	The Structural Biology Knowledgebase: a portal to protein structures, sequences, functions, and methods. <i>Journal of Structural and Functional Genomics</i> , 2011, 12, 45-54.	1.2	65
6	Structural Insight into the Mechanism of Substrate Specificity and Catalytic Activity of an HD-Domain Phosphohydrolase: The 5'-Deoxyribonucleotidase YfbR from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2008, 378, 215-226.	4.2	62
7	The impact of structural genomics: the first quinquennial. <i>Journal of Structural and Functional Genomics</i> , 2016, 17, 1-16.	1.2	60
8	X-ray crystallography over the past decade for novel drug discovery – where are we heading next?. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 975-989.	5.0	59
9	Analysis of solvent content and oligomeric states in protein crystals – does symmetry matter?. <i>Protein Science</i> , 2008, 17, 623-632.	7.6	54
10	New surface contacts formed upon reductive lysine methylation: Improving the probability of protein crystallization. <i>Protein Science</i> , 2010, 19, 1395-1404.	7.6	35
11	Data Management in the Modern Structural Biology and Biomedical Research Environment. <i>Methods in Molecular Biology</i> , 2014, 1140, 1-25.	0.9	34
12	Benefits of Structural Genomics for Drug Discovery Research. <i>Infectious Disorders - Drug Targets</i> , 2009, 9, 459-474.	0.8	26
13	To automate or not to automate: this is the question. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 211-221.	1.2	23
14	The Quality and Validation of Structures from Structural Genomics. <i>Methods in Molecular Biology</i> , 2014, 1091, 297-314.	0.9	23
15	Crystal structures of TM0549 and NE1324-two orthologs of <i>E. coli</i> AHAS isozyme III small regulatory subunit. <i>Protein Science</i> , 2007, 16, 1360-1367.	7.6	17
16	An experimental charge density of HEPES. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 482-492.	1.8	17
17	Structural Analysis of a Putative Aminoglycoside N-Acetyltransferase from <i>Bacillus anthracis</i> . <i>Journal of Molecular Biology</i> , 2011, 410, 411-423.	4.2	17
18	Dissecting the Structural Elements for the Activation of $\hat{1}^2$ -Ketoacyl-(Acyl Carrier Protein) Reductase from <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2016, 198, 463-476.	2.2	14

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19	Crystal structure and molecular modeling study of N-carbamoylsarcosine amidase Ta0454 from <i>Thermoplasma acidophilum</i> . <i>Journal of Structural Biology</i> , 2010, 169, 304-311.	2.8	13
20	Data to knowledge: how to get meaning from your result. <i>IUCr</i> , 2015, 2, 45-58.	2.2	12
21	The crystal structure of the AF2331 protein from <i>Archaeoglobus fulgidus</i> DSM 4304 forms an unusual interdigitated dimer with a new type of $\hat{1}\pm + \hat{1}^2$ fold. <i>Protein Science</i> , 2009, 18, 2410-2419.	7.6	11
22	Assessing the accuracy of template-based structure prediction metaservers by comparison with structural genomics structures. <i>Journal of Structural and Functional Genomics</i> , 2012, 13, 213-225.	1.2	10
23	Crystal structure of a transcriptional regulator TM1030 from <i>Thermotoga maritima</i> solved by an unusual MAD experiment. <i>Journal of Structural Biology</i> , 2007, 159, 424-432.	2.8	9
24	Macromolecular Crystals. <i>Crystal Growth and Design</i> , 2010, 10, 580-586.	3.0	8
25	A survey of techniques and open-source tools for processing streams of spatio-temporal events. , 2016, , .		6
26	Function-Biased Choice of Additives for Optimization of Protein Crystallization: The Case of the Putative Thioesterase PA5185 from <i>Pseudomonas aeruginosa</i> PAO1. <i>Crystal Growth and Design</i> , 2008, 8, 4054-4061.	3.0	5
27	State-of-the-Art Data Management: Improving the Reproducibility, Consistency, and Traceability of Structural Biology and in Vitro Biochemical Experiments. <i>Methods in Molecular Biology</i> , 2021, 2199, 209-236.	0.9	5
28	Crystal structure of 6-(4-difluoromethoxy-3-methoxyphenyl)-3(2H)-pyridazinone, C ₁₂ H ₁₀ F ₂ N ₂ O ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2006, 221, 359-360.	0.3	0
29	Disodium 4-nitrophenylphosphate hexahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m884-m886.	0.2	0
30	Structural Biology Knowledgebase: a biologists resource for protein structure and sample information. <i>FASEB Journal</i> , 2012, 26, lb194.	0.5	0