

Todd M Weaver

List of Publications by Year in descending order

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21
papers

440
citations

933447

10
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallographic Studies of the Catalytic and a Second Site in Fumarase C from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1996, 35, 13955-13965.	2.5	97
2	The α -helix translates structure into function. <i>Protein Science</i> , 2000, 9, 201-206.	7.6	93
3	Missense Mutations in Fumarate Hydratase in Multiple Cutaneous and Uterine Leiomyomatosis and Renal Cell Cancer. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 437-443.	2.8	56
4	Mutations of fumarase that distinguish between the active site and a nearby dicarboxylic acid binding site. <i>Protein Science</i> , 1997, 6, 834-842.	7.6	37
5	X-ray crystallographic and kinetic correlation of a clinically observed human fumarase mutation. <i>Protein Science</i> , 2002, 11, 1552-1557.	7.6	36
6	Structural and Functional Studies of Truncated Hemolysin A from <i>Proteus mirabilis</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 22297-22309.	3.4	33
7	The role of the allosteric B site in the fumarase reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3393-3397.	7.1	28
8	Structure of free fumarase C from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 1395-1401.	2.5	17
9	Purification and Crystallization of Fumarase C from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1993, 231, 141-144.	4.2	15
10	Biochemical Characterization of Two Clinically-Relevant Human Fumarase Variants Defective for Oligomerization. <i>The Open Biochemistry Journal</i> , 2018, 12, 1-15.	0.5	15
11	Exploring protein function and evolution using free online bioinformatics tools. <i>Biochemistry and Molecular Biology Education</i> , 2005, 33, 319-322.	1.2	6
12	Sequential unfolding of the hemolysin two-partner secretion domain from <i>Proteus mirabilis</i> . <i>Protein Science</i> , 2015, 24, 1841-1855.	7.6	4
13	Closed fumarase C active-site structures reveal SS Loop residue contribution in catalysis. <i>FEBS Letters</i> , 2020, 594, 337-357.	2.8	2
14	Proteolysis of truncated hemolysin A yields a stable dimerization interface. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 138-145.	0.8	1
15	Negative design at the carboxy-terminal beta-edge of truncated hemolysin A. <i>FASEB Journal</i> , 2010, 24, 490.6.	0.5	0
16	Beta-arc 2 hydrogen bond network within hemolysin A facilitates hemolytic activation. <i>FASEB Journal</i> , 2013, 27, 996.12.	0.5	0
17	The Tale of Two Domains. <i>FASEB Journal</i> , 2015, 29, 882.3.	0.5	0
18	Hydrogen Bond System Stabilization of a 220 Å ³ Buried Solvent Network. <i>FASEB Journal</i> , 2015, 29, 882.2.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Carboxy-terminal Disruption of HpmA265 Caused by Trypsin and its Effect on Stability and Activity. FASEB Journal, 2015, 29, 882.6.	0.5	0
20	Systematic Disruption of the Nonpolar α -Helix Core of Hemolysin A and its Site-Specific Effect on Protein Structure, Function, and Secretion. FASEB Journal, 2019, 33, 779.36.	0.5	0
21	Determining the Mechanism of Hemolytic Function and Type Vb Secretion by a Gram-Negative Pathogen. FASEB Journal, 2019, 33, 780.13.	0.5	0