

Gil Shoham

List of Publications by Year in descending order

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papers

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687363

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847
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of an Inverting GH43 β -Xylosidase from <i>Geobacillus stearothermophilus</i> with its Substrate Reveals the Role of the Three Catalytic Residues. <i>Journal of Molecular Biology</i> , 2006, 359, 97-109.	4.2	132
2	Crystal structure and snapshots along the reaction pathway of a family 51 α -L-arabinofuranosidase. <i>EMBO Journal</i> , 2003, 22, 4922-4932.	7.8	127
3	A New Family of Carbohydrate Esterases Is Represented by a GDSL Hydrolase/Acetylxyylan Esterase from <i>Geobacillus stearothermophilus</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 41993-42001.	3.4	52
4	Structure of the uncomplexed DNA repair enzyme endonuclease VIII indicates significant interdomain flexibility. <i>Nucleic Acids Research</i> , 2005, 33, 5006-5016.	14.5	38
5	Substitution of an Internal Disulfide Bridge with a Diselenide Enhances both Foldability and Stability of Human Insulin. <i>Chemistry - A European Journal</i> , 2019, 25, 8513-8521.	3.3	36
6	A unique octameric structure of Axe2, an intracellular acetyl-xylooligosaccharide esterase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 261-278.	2.5	30
7	Spectroscopic FTIR and NMR study of the interactions of sugars with proteins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 116861.	3.9	28
8	Coupling of the nucleotide incision and 3' \rightarrow 5' exonuclease activities in <i>Escherichia coli</i> endonuclease IV: Structural and genetic evidences. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 685, 70-79.	1.0	27
9	Diselenide crosslinks for enhanced and simplified oxidative protein folding. <i>Communications Chemistry</i> , 2021, 4, .	4.5	21
10	Mechanism of action of zinc proteinases: A MNDO/d/H study of alternative general-acid general-base catalytic pathways for carboxypeptidase-A. <i>International Journal of Quantum Chemistry</i> , 2002, 88, 87-98.	2.0	20
11	Structure-function relationships in Gan42B, an intracellular GH42 β -galactosidase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2433-2448.	2.5	19
12	BPTI folding revisited: switching a disulfide into methylene thioacetal reveals a previously hidden path. <i>Chemical Science</i> , 2018, 9, 4814-4820.	7.4	19
13	Crystallization and preliminary crystallographic analysis of Axe2, an acetylxyylan esterase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 430-434.	0.7	17
14	A potential role of the cytoskeleton of <i>Saccharomyces cerevisiae</i> in a functional organization of glycolytic enzymes. <i>Yeast</i> , 1999, 15, 1619-1629.	1.7	15
15	Anhydride formation is not a valid mechanism for peptide cleavage by carboxypeptidase-A: a semiempirical reaction pathway study. <i>Molecular Physics</i> , 2003, 101, 2715-2724.	1.7	11
16	Crystallization and preliminary crystallographic analysis of Abp, a GH27 β -arabinopyranosidase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 695-699.	0.7	9
17	Structure-specificity relationships in Abp, a GH27 β -arabinopyranosidase from <i>Geobacillus stearothermophilus</i> T6. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2994-3012.	2.5	9
18	Purification, crystallization and preliminary crystallographic analysis of Gan1D, a GH1 6-phospho- β -galactosidase from <i>Geobacillus stearothermophilus</i> T1. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 225-231.	0.8	9

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19	Structural basis for enzyme bifunctionality – the case of Gan1D from <i>Geobacillus stearothermophilus</i> . FEBS Journal, 2017, 284, 3931-3953.	4.7	9
20	Preliminary crystallographic analysis of a double mutant of the acetyl xylo-oligosaccharide esterase Axe2 in its dimeric form. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 476-481.	0.8	8
21	Cloning, purification and preliminary crystallographic analysis of Ara127N, a GH127 β -L-arabinofuranosidase from <i>Geobacillus stearothermophilus</i> T6. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1038-1045.	0.8	5
22	Carbohydrate-Binding Capability and Functional Conformational Changes of AbnE, an Arabino-oligosaccharide Binding Protein. Journal of Molecular Biology, 2020, 432, 2099-2120.	4.2	5
23	Preliminary crystallographic analysis of Xyn52B2, a GH52 β -D-xylosidase from <i>Geobacillus stearothermophilus</i> T6. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1675-1682.	0.8	3
24	Integrative structure determination reveals functional global flexibility for an ultra-multimodular arabinanase. Communications Biology, 2022, 5, 465.	4.4	3
25	Substitution of an Internal Disulfide Bridge with a Diselenide Enhances both Foldability and Stability of Human Insulin. Chemistry - A European Journal, 2019, 25, 8430-8430.	3.3	0