

# Gil Shoham

## List of Publications by Year in descending order

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25  
papers

652  
citations

687363

13  
h-index

610901

24  
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26  
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26  
docs citations

26  
times ranked

847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative structure determination reveals functional global flexibility for an ultra-multimodular arabinanase. <i>Communications Biology</i> , 2022, 5, 465.	4.4	3
2	Diselenide crosslinks for enhanced and simplified oxidative protein folding. <i>Communications Chemistry</i> , 2021, 4, .	4.5	21
3	Carbohydrate-Binding Capability and Functional Conformational Changes of AbnE, an Arabino-oligosaccharide Binding Protein. <i>Journal of Molecular Biology</i> , 2020, 432, 2099-2120.	4.2	5
4	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, 8430-8430.	3.3	0
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	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
7	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
8	Structural basis for enzyme bifunctionality – the case of Gan1D from <i>Geobacillus stearothermophilus</i> . <i>FEBS Journal</i> , 2017, 284, 3931-3953.	4.7	9
9	Structure–function relationships in Gan42B, an intracellular GH42 $\beta$ -galactosidase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2433-2448.	2.5	19
10	Preliminary crystallographic analysis of Xyn52B2, a GH52 $\beta$ -xylosidase from <i>Geobacillus stearothermophilus</i> T6. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1675-1682.	0.8	3
11	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
12	Structure–specificity relationships in Abp, a GH27 $\beta$ -arabinopyranosidase from <i>Geobacillus stearothermophilus</i> T6. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2994-3012.	2.5	9
13	Cloning, purification and preliminary crystallographic analysis of Ara127N, a GH127 $\beta$ -L-arabinofuranosidase from <i>Geobacillus stearothermophilus</i> T6. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1038-1045.	0.8	5
14	Purification, crystallization and preliminary crystallographic analysis of Gan1D, a GH1 $\beta$ -phospho- $\beta$ -galactosidase from <i>Geobacillus stearothermophilus</i> T1. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 225-231.	0.8	9
15	Preliminary crystallographic analysis of a double mutant of the acetyl xylo-oligosaccharide esterase Axe2 in its dimeric form. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 476-481.	0.8	8
16	Crystallization and preliminary crystallographic analysis of Axe2, an acetylxylo-esterase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 430-434.	0.7	17
17	Crystallization and preliminary crystallographic analysis of Abp, a GH27 $\beta$ -L-arabinopyranosidase from <i>Geobacillus stearothermophilus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 695-699.	0.7	9
18	A New Family of Carbohydrate Esterases Is Represented by a GDSL Hydrolase/Acetylxylo-esterase from <i>Geobacillus stearothermophilus</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 41993-42001.	3.4	52

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19	Coupling of the nucleotide incision and 3' → 5' exonuclease activities in Escherichia coli endonuclease IV: Structural and genetic evidences. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 685, 70-79.	1.0	27
20	The Structure of an Inverting GH43 $\beta$ -Xylosidase from Geobacillus stearothermophilus with its Substrate Reveals the Role of the Three Catalytic Residues. Journal of Molecular Biology, 2006, 359, 97-109.	4.2	132
21	Structure of the uncomplexed DNA repair enzyme endonuclease VIII indicates significant interdomain flexibility. Nucleic Acids Research, 2005, 33, 5006-5016.	14.5	38
22	Crystal structure and snapshots along the reaction pathway of a family 51 $\beta$ -L-arabinofuranosidase. EMBO Journal, 2003, 22, 4922-4932.	7.8	127
23	Anhydride formation is not a valid mechanism for peptide cleavage by carboxypeptidase-A: a semiempirical reaction pathway study. Molecular Physics, 2003, 101, 2715-2724.	1.7	11
24	Mechanism of action of zinc proteinases: A MNDO/d/H study of alternative general-acid general-base catalytic pathways for carboxypeptidase-A. International Journal of Quantum Chemistry, 2002, 88, 87-98.	2.0	20
25	A potential role of the cytoskeleton of Saccharomyces cerevisiae in a functional organization of glycolytic enzymes. Yeast, 1999, 15, 1619-1629.	1.7	15