

Lars-Oliver Essen

List of Publications by Year in descending order

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161
papers

9,750
citations

43973

48
h-index

40881

93
g-index

170
all docs

170
docs citations

170
times ranked

8950
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cryptochromes: Blue Light Photoreceptors in Plants and Animals. <i>Annual Review of Plant Biology</i> , 2011, 62, 335-364.	8.6	723
2	Crystal structure of a mammalian phosphoinositide-specific phospholipase C β . <i>Nature</i> , 1996, 380, 595-602.	13.7	591
3	Structure of the Light-Driven Chloride Pump Halorhodopsin at 1.8Å Resolution. <i>Science</i> , 2000, 288, 1390-1396.	6.0	534
4	Lipid patches in membrane protein oligomers: Crystal structure of the bacteriorhodopsin-lipid complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 11673-11678.	3.3	429
5	The structure of a complete phytochrome sensory module in the Pr ground state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14709-14714.	3.3	359
6	Crystal Structure of a Photolyase Bound to a CPD-Like DNA Lesion After in Situ Repair. <i>Science</i> , 2004, 306, 1789-1793.	6.0	350
7	Crystal Structure of the Termination Module of a Nonribosomal Peptide Synthetase. <i>Science</i> , 2008, 321, 659-663.	6.0	311
8	A LOV2 Domain-Based Optogenetic Tool to Control Protein Degradation and Cellular Function. <i>Chemistry and Biology</i> , 2013, 20, 619-626.	6.2	227
9	Structurally Sophisticated Octahedral Metal Complexes as Highly Selective Protein Kinase Inhibitors. <i>Journal of the American Chemical Society</i> , 2011, 133, 5976-5986.	6.6	218
10	Group II chaperonins: new TRiC(k)s and turns of a protein folding machine. <i>Journal of Molecular Biology</i> , 1999, 293, 295-312.	2.0	191
11	Light-driven DNA repair by photolyases. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 1266-1277.	2.4	169
12	Structure of the Substrate Binding Domain of the Thermosome, an Archaeal Group II Chaperonin. <i>Cell</i> , 1997, 91, 263-270.	13.5	152
13	Structural and Functional Insights into a Peptide Bond-Forming Bidomain from a Nonribosomal Peptide Synthetase. <i>Structure</i> , 2007, 15, 781-792.	1.6	152
14	A Ternary Metal Binding Site in the C2 Domain of Phosphoinositide-Specific Phospholipase C β 1. <i>Biochemistry</i> , 1997, 36, 2753-2762.	1.2	150
15	Recognition and repair of UV lesions in loop structures of duplex DNA by DASH-type cryptochrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 21023-21027.	3.3	147
16	Structural Mapping of the Catalytic Mechanism for a Mammalian Phosphoinositide-Specific Phospholipase C β . <i>Biochemistry</i> , 1997, 36, 1704-1718.	1.2	122
17	Structural and mechanistic comparison of prokaryotic and eukaryotic phosphoinositide-specific phospholipases C 1 Edited by K. Nagai. <i>Journal of Molecular Biology</i> , 1998, 275, 635-650.	2.0	121
18	Duplex Structure of a Minimal Nucleic Acid. <i>Journal of the American Chemical Society</i> , 2008, 130, 8158-8159.	6.6	116

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19	C2 domain conformational changes in phospholipase C $\hat{1}$. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 788-795.	3.6	113
20	Structural basis of flocculin-mediated social behavior in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22511-22516.	3.3	113
21	Iron-oxo clusters biomineralizing on protein surfaces: Structural analysis of <i>Halobacterium salinarum</i> DpsA in its low- and high-iron states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13780-13785.	3.3	111
22	Halorhodopsin: light-driven ion pumping made simple?. <i>Current Opinion in Structural Biology</i> , 2002, 12, 516-522.	2.6	110
23	The Thioesterase Domain of the Fengycin Biosynthesis Cluster: A Structural Base for the Macrocyclization of a Non-ribosomal Lipopeptide. <i>Journal of Molecular Biology</i> , 2006, 359, 876-889.	2.0	110
24	Mechanistic and Structural Basis of Stereospecific C $\hat{2}$ -Hydroxylation in Calcium-Dependent Antibiotic, a Daptomycin-Type Lipopeptide. <i>ACS Chemical Biology</i> , 2007, 2, 187-196.	1.6	107
25	Localized Dimerization and Nucleoid Binding Drive Gradient Formation by the Bacterial Cell Division Inhibitor MipZ. <i>Molecular Cell</i> , 2012, 46, 245-259.	4.5	105
26	Light-induced alteration of c-di-GMP level controls motility of <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2012, 85, 239-251.	1.2	103
27	The family of phytochrome-like photoreceptors: diverse, complex and multi-colored, but very useful. <i>Current Opinion in Structural Biology</i> , 2015, 35, 7-16.	2.6	102
28	Group II chaperonin in an open conformation examined by electron tomography. <i>Nature Structural Biology</i> , 1998, 5, 855-857.	9.7	100
29	Crystal Structure of the Bifunctional Soybean Bowman-Birk Inhibitor at 0.28-nm Resolution. Structural Peculiarities in a Folded Protein Conformation. <i>FEBS Journal</i> , 1996, 242, 122-131.	0.2	92
30	Crystal Structure of Halophilic Dodecin. <i>Structure</i> , 2003, 11, 375-385.	1.6	86
31	Light-induced chromophore activity and signal transduction in phytochromes observed by ¹³ C and ¹⁵ N magic-angle spinning NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15229-15234.	3.3	85
32	Crystal structures of an archaeal class II DNA photolyase and its complex with UV-damaged duplex DNA. <i>EMBO Journal</i> , 2011, 30, 4437-4449.	3.5	82
33	CryB from <i>Rhodobacter sphaeroides</i> : a unique class of cryptochromes with new cofactors. <i>EMBO Reports</i> , 2012, 13, 223-229.	2.0	82
34	Structure of the Cyanobacterial Phytochrome 2 Photosensor Implies a Tryptophan Switch for Phytochrome Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 35714-35725.	1.6	80
35	Extended Electron-Transfer in Animal Cryptochromes Mediated by a Tetrad of Aromatic Amino Acids. <i>Biophysical Journal</i> , 2016, 111, 301-311.	0.2	77
36	Cryptochrome 3 from <i>Arabidopsis thaliana</i> : Structural and Functional Analysis of its Complex with a Folate Light Antenna. <i>Journal of Molecular Biology</i> , 2007, 366, 954-964.	2.0	74

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37	Chapter 13 Nonribosomal Peptide Synthetases. <i>Methods in Enzymology</i> , 2009, 458, 337-351.	0.4	73
38	Spectroscopy and a High-Resolution Crystal Structure of Tyr263 Mutants of Cyanobacterial Phytochrome Cph1. <i>Journal of Molecular Biology</i> , 2011, 413, 115-127.	2.0	71
39	Chromophore Structure of Cyanobacterial Phytochrome Cph1 in the Pr State: Reconciling Structural and Spectroscopic Data by QM/MM Calculations. <i>Biophysical Journal</i> , 2009, 96, 4153-4163.	0.2	66
40	Structural basis for the erythro-stereospecificity of the arginine oxygenase VioC in viomycin biosynthesis. <i>FEBS Journal</i> , 2009, 276, 3669-3682.	2.2	64
41	Structural basis for promiscuity and specificity during <i>Candida glabrata</i> invasion of host epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16864-16869.	3.3	64
42	Absorption and fluorescence spectroscopic characterization of cryptochrome 3 from <i>Arabidopsis thaliana</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 85, 1-16.	1.7	63
43	Structure-Based Mutational Analysis of the 4 ϵ -Phosphopantetheinyl Transferases Sfp from <i>Bacillus subtilis</i> : Carrier Protein Recognition and Reaction Mechanism. <i>Biochemistry</i> , 2004, 43, 4128-4136.	1.2	62
44	Photolyases and cryptochromes: common mechanisms of DNA repair and light-driven signaling?. <i>Current Opinion in Structural Biology</i> , 2006, 16, 51-59.	2.6	62
45	Cellular Metabolites Enhance the Light Sensitivity of <i>Arabidopsis</i> Cryptochrome through Alternate Electron Transfer Pathways. <i>Plant Cell</i> , 2014, 26, 4519-4531.	3.1	58
46	Structural analysis of adenylate cyclases from <i>Trypanosoma brucei</i> in their monomeric state. <i>EMBO Journal</i> , 2001, 20, 433-445.	3.5	56
47	Photo-sensitive degron variants for tuning protein stability by light. <i>BMC Systems Biology</i> , 2014, 8, 128.	3.0	56
48	Allosteric communication between DNA-binding and light-responsive domains of diatom class I aureochromes. <i>Nucleic Acids Research</i> , 2016, 44, 5957-5970.	6.5	53
49	Structural Basis and Stereochemistry of Triscatecholate Siderophore Binding by FeuA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7924-7927.	7.2	51
50	Interactions by the Fungal Flo11 Adhesin Depend on a Fibronectin Type III-like Adhesin Domain Girdled by Aromatic Bands. <i>Structure</i> , 2015, 23, 1005-1017.	1.6	51
51	Essential Role of an Unusually Long-lived Tyrosyl Radical in the Response to Red Light of the Animal-like Cryptochrome aCRY. <i>Journal of Biological Chemistry</i> , 2016, 291, 14062-14071.	1.6	51
52	Structure of the bifunctional cryptochrome aCRY from <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2018, 46, 8010-8022.	6.5	51
53	Natural and Non-natural Antenna Chromophores in the DNA Photolyase from <i>Thermus Thermophilus</i> . <i>ChemBioChem</i> , 2006, 7, 1798-1806.	1.3	48
54	Structure of a Native-like Aureochrome 1a LOV Domain Dimer from <i>Phaeodactylum tricornutum</i> . <i>Structure</i> , 2016, 24, 171-178.	1.6	47

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55	Flexibility of the N-Terminal mVDAC1 Segment Controls the Channel's Gating Behavior. <i>PLoS ONE</i> , 2012, 7, e47938.	1.1	46
56	The de Novo Design of an Antibody Combining Site. <i>Journal of Molecular Biology</i> , 1994, 238, 226-244.	2.0	45
57	Structure of the epimerization domain of tyrocidine synthetase A. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1442-1452.	2.5	45
58	Priorities in emergency obstetric care in Bolivia's maternal mortality and near-miss morbidity in metropolitan La Paz. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2009, 116, 1210-1217.	1.1	43
59	Structural characterization of a \hat{A} -turn mimic within a protein-protein interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18336-18341.	3.3	42
60	Spectroscopic and Photochemical Characterization of the Red-Light Sensitive Photosensory Module of Cph2 from <i>Synechocystis</i> PCC 6803. <i>Photochemistry and Photobiology</i> , 2011, 87, 160-173.	1.3	41
61	Voltage-dependent anion channels: the wizard of the mitochondrial outer membrane. <i>Biological Chemistry</i> , 2014, 395, 1435-1442.	1.2	39
62	Structural and Evolutionary Aspects of Antenna Chromophore Usage by Class II Photolyases. <i>Journal of Biological Chemistry</i> , 2014, 289, 19659-19669.	1.6	39
63	Structure of the Chromophore Binding Pocket in the Pr State of Plant Phytochrome phyA. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1220-1231.	1.2	38
64	Structural Hot Spots Determine Functional Diversity of the <i>Candida glabrata</i> Epithelial Adhesin Family. <i>Journal of Biological Chemistry</i> , 2015, 290, 19597-19613.	1.6	38
65	Ultrafast Oxidation of a Tyrosine by Proton-Coupled Electron Transfer Promotes Light Activation of an Animal-like Cryptochrome. <i>Journal of the American Chemical Society</i> , 2019, 141, 13394-13409.	6.6	37
66	How to tailor non-ribosomal peptide products—new clues about the structures and mechanisms of modifying enzymes. <i>Molecular BioSystems</i> , 2008, 4, 387.	2.9	36
67	Atomic resolution duplex structure of the simplified nucleic acid GNA. <i>Chemical Communications</i> , 2010, 46, 1094-1096.	2.2	35
68	Modulating Protein-Protein Interactions with Visible-Light-Responsive Peptide Backbone Photoswitches. <i>ChemBioChem</i> , 2019, 20, 1417-1429.	1.3	33
69	Wing phosphorylation is a major functional determinant of the Lrs14-type biofilm and motility regulator AbfR1 in <i>Sulfolobus acidocaldarius</i> . <i>Molecular Microbiology</i> , 2017, 105, 777-793.	1.2	32
70	Solid-State NMR Spectroscopic Study of Chromophore-Protein Interactions in the Pr Ground State of Plant Phytochrome A. <i>Molecular Plant</i> , 2012, 5, 698-715.	3.9	30
71	Sub-nanosecond tryptophan radical deprotonation mediated by a protein-bound water cluster in class II DNA photolyases. <i>Chemical Science</i> , 2018, 9, 1200-1212.	3.7	30
72	Kin discrimination in social yeast is mediated by cell surface receptors of the Flo11 adhesin family. <i>ELife</i> , 2020, 9, .	2.8	30

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73	Single-step purification of a bacterially expressed antibody Fv fragment by immobilized metal affinity chromatography in the presence of betaine. <i>Journal of Chromatography A</i> , 1993, 657, 55-61.	1.8	29
74	TbPDE1, a novel class I phosphodiesterase of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 2004, 271, 637-647.	0.2	29
75	The sodium-dependent glucose transport protein of <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2009, 71, 391-403.	1.2	28
76	Mapping light-driven conformational changes within the photosensory module of plant phytochrome B. <i>Scientific Reports</i> , 2016, 6, 34366.	1.6	28
77	The Glycosylphosphatidylinositol-Anchored DFG Family Is Essential for the Insertion of Galactomannan into the Î²-(1,3)-Glucan Chitin Core of the Cell Wall of <i>Aspergillus fumigatus</i> . <i>MSphere</i> , 2019, 4, .	1.3	28
78	Bioactive cyclometalated phthalimides: design, synthesis and kinase inhibition. <i>Dalton Transactions</i> , 2012, 41, 9337.	1.6	27
79	The Dodecin from <i>Thermus thermophilus</i> , a Bifunctional Cofactor Storage Protein. <i>Journal of Biological Chemistry</i> , 2007, 282, 33142-33154.	1.6	26
80	The Electronic State of Flavoproteins: Investigations with Proton Electron Nuclear Double Resonance. <i>Applied Magnetic Resonance</i> , 2010, 37, 339-352.	0.6	26
81	Structure-Based Engineering of a Minimal Porin Reveals Loop-Independent Channel Closure. <i>Biochemistry</i> , 2014, 53, 4826-4838.	1.2	26
82	Conformational heterogeneity of the Pfr chromophore in plant and cyanobacterial phytochromes. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 37.	1.6	26
83	Structure and interactions of the archaeal motility repression module ArnA ArnB that modulates archaeum gene expression in <i>Sulfolobus acidocaldarius</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 7460-7471.	1.6	26
84	Influence of a Joining Helix on the BLUF Domain of the YcgF Photoreceptor from <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2008, 9, 2463-2473.	1.3	25
85	Photoreduction of the Folate Cofactor in Members of the Photolyase Family. <i>Journal of Biological Chemistry</i> , 2009, 284, 21670-21683.	1.6	25
86	<i>Arabidopsis</i> phytochrome A nuclear translocation is mediated by a far-red elongated hypocotyl importin complex. <i>Plant Journal</i> , 2018, 96, 1255-1268.	2.8	25
87	Non-Heme Hydroxylase Engineering For Simple Enzymatic Synthesis of L-threo-Hydroxyaspartic Acid. <i>ChemBioChem</i> , 2008, 9, 374-376.	1.3	24
88	Optogenetic Downregulation of Protein Levels with an Ultrasensitive Switch. <i>ACS Synthetic Biology</i> , 2019, 8, 1026-1036.	1.9	24
89	Serial crystallography captures dynamic control of sequential electron and proton transfer events in a flavoenzyme. <i>Nature Chemistry</i> , 2022, 14, 677-685.	6.6	24
90	Crystal structure of the Î²-apical domain of the thermosome reveals structural plasticity in the protrusion region 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 2000, 301, 19-25.	2.0	23

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91	Light-Driven Domain Mechanics of a Minimal Phytochrome Photosensory Module Studied by EPR. <i>Structure</i> , 2018, 26, 1534-1545.e4.	1.6	23
92	Crystals of an antibody FV fragment against an integral membrane protein diffracting to 1.28 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 74-77.	1.5	22
93	Crystallization and preliminary X-ray analysis of cryptochrome 3 from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 935-938.	0.7	22
94	AcrB et al.: Obstinate contaminants in a picogram scale. One more bottleneck in the membrane protein structure pipeline. <i>Journal of Structural Biology</i> , 2009, 166, 107-111.	1.3	22
95	On the Structure and Dynamics of Duplex GNA. <i>Journal of Organic Chemistry</i> , 2011, 76, 7964-7974.	1.7	22
96	Structural and evolutionary aspects of algal blue light receptors of the cryptochrome and aureochrome type. <i>Journal of Plant Physiology</i> , 2017, 217, 27-37.	1.6	22
97	Deconstructing and repurposing the light-regulated interplay between <i>Arabidopsis</i> phytochromes and interacting factors. <i>Communications Biology</i> , 2019, 2, 448.	2.0	22
98	An Optogenetic Tool for Induced Protein Stabilization Based on the <i>Phaeodactylum tricornutum</i> Aureochrome 1a Light-“Oxygen”-Voltage Domain. <i>Journal of Molecular Biology</i> , 2020, 432, 1880-1900.	2.0	22
99	On the Function and Structure of Synthetically Modified Porins. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4853-4857.	7.2	21
100	Structural base for the transfer of GPI-anchored glycoproteins into fungal cell walls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22061-22067.	3.3	21
101	Cyclic mononucleotide- and Clr-dependent gene regulation in <i>Sinorhizobium meliloti</i> . <i>Microbiology (United Kingdom)</i> , 2016, 162, 1840-1856.	0.7	21
102	Crystal structure of the catalytic core component of the alkylhydroperoxide reductase AhpF from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2001, 307, 1-8.	2.0	20
103	Strategies and Perspectives in Ion-Channel Engineering. <i>ChemBioChem</i> , 2011, 12, 830-839.	1.3	20
104	<i>Rhodobacter sphaeroides</i> CryB is a bacterial cryptochrome with (6-“4) photolyase activity. <i>FEBS Journal</i> , 2016, 283, 4291-4309.	2.2	20
105	Signaling Kinetics of Cyanobacterial Phytochrome Cph1, a Light Regulated Histidine Kinase. <i>Biochemistry</i> , 2011, 50, 6178-6188.	1.2	19
106	Phototransformation of the Red Light Sensor Cyanobacterial Phytochrome 2 from <i>Synechocystis</i> Species Depends on Its Tongue Motifs. <i>Journal of Biological Chemistry</i> , 2014, 289, 25590-25600.	1.6	19
107	Bistable Photoswitch Allows in Vivo Control of Hematopoiesis. <i>ACS Central Science</i> , 2022, 8, 57-66.	5.3	18
108	EHB1 and AGD12, two calcium-dependent proteins affect gravitropism antagonistically in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2016, 206, 114-124.	1.6	17

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109	Structural changes within the bifunctional cryptochrome/photolyase CraCRY upon blue light excitation. <i>Scientific Reports</i> , 2019, 9, 9896.	1.6	17
110	Diversity of GPI-anchored fungal adhesins. <i>Biological Chemistry</i> , 2020, 401, 1389-1405.	1.2	17
111	Structural and Functional Characterization of an Electron Transfer Flavoprotein Involved in Toluene Degradation in Strictly Anaerobic Bacteria. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	15
112	The Phosphatase PP2A Interacts With ArnA and ArnB to Regulate the Oligomeric State and the Stability of the ArnA/B Complex. <i>Frontiers in Microbiology</i> , 2020, 11, 1849.	1.5	15
113	Expression screening of integral membrane proteins from <i>Helicobacter pylori</i> 26695. <i>Protein Science</i> , 2007, 16, 2667-2676.	3.1	13
114	Photocycle dynamics of the E149A mutant of cryptochrome 3 from <i>Arabidopsis thaliana</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 97, 94-108.	1.7	13
115	Tyrosine 263 in Cyanobacterial Phytochrome Cph1 Optimizes Photochemistry at the prelumifluorescence Step. <i>Photochemistry and Photobiology</i> , 2014, 90, 786-795.	1.3	13
116	Electron transfer and spin dynamics of the radical-pair in the cryptochrome from <i>Chlamydomonas reinhardtii</i> by computational analysis. <i>Journal of Chemical Physics</i> , 2020, 152, 065101.	1.2	13
117	Production and secretion in CHO cells of the extracellular domain of AMOG ² , a type-II membrane protein. <i>Gene</i> , 1992, 120, 307-312.	1.0	12
118	Structural genomics of non-standard proteins: a chance for membrane proteins?. <i>Gene Function & Disease</i> , 2002, 3, 39-48.	0.3	12
119	An Asymmetric Model for Na ⁺ -translocating Glutaconyl-CoA Decarboxylases. <i>Journal of Biological Chemistry</i> , 2009, 284, 28401-28409.	1.6	12
120	Light-generated Paramagnetic Intermediates in BLUF Domains. <i>Photochemistry and Photobiology</i> , 2011, 87, 574-583.	1.3	12
121	Structural and Kinetic Properties of a β -Hydroxyacid Dehydrogenase Involved in Nicotinate Fermentation. <i>Journal of Molecular Biology</i> , 2008, 382, 802-811.	2.0	11
122	The archaeal triphosphate tunnel metalloenzyme SaTTM defines structural determinants for the diverse activities in the CYTH protein family. <i>Journal of Biological Chemistry</i> , 2021, 297, 100820.	1.6	10
123	A cold break for photoreceptors. <i>Nature</i> , 1998, 392, 131-133.	13.7	9
124	Structural and functional analysis of the <i>gpsA</i> gene product of <i>Archaeoglobus fulgidus</i> : A glycerol-3-phosphate dehydrogenase with an unusual NADP ⁺ preference. <i>Protein Science</i> , 2009, 13, 3161-3171.	3.1	9
125	Structural and functional characterization of a synthetically modified OmpG. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7716-7723.	1.4	9
126	Delocalized hole transport coupled to sub-ps tryptophanyl deprotonation promotes photoreduction of class II photolyases. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25446-25457.	1.3	9

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127	A light-triggered transmembrane porin. <i>Chemical Communications</i> , 2018, 54, 9623-9626.	2.2	9
128	A topologically distinct class of photolyases specific for UV lesions within single-stranded DNA. <i>Nucleic Acids Research</i> , 2020, 48, 12845-12857.	6.5	9
129	A novel class of <i>Candida glabrata</i> cell wall proteins with $\hat{\imath}^2$ -helix fold mediates adhesion in clinical isolates. <i>PLoS Pathogens</i> , 2021, 17, e1009980.	2.1	9
130	Divalent Cations Increase DNA Repair Activities of Bacterial (6 $\hat{\imath}$ 4) Photolyases. <i>Photochemistry and Photobiology</i> , 2017, 93, 323-330.	1.3	8
131	Functional reprogramming of <i>Candida glabrata</i> epithelial adhesins: the role of conserved and variable structural motifs in ligand binding. <i>Journal of Biological Chemistry</i> , 2020, 295, 12512-12524.	1.6	8
132	The $\hat{\imath}^2$ -propeller domain of the trilobed protease from <i>Pyrococcus furiosus</i> reveals an open Velcro topology. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 179-187.	2.5	7
133	The Crystal Structure of Enamidase: A Bifunctional Enzyme of the Nicotinate Catabolism. <i>Journal of Molecular Biology</i> , 2008, 384, 837-847.	2.0	7
134	Structural communication between the chromophore $\hat{\imath}$ -binding pocket and the N $\hat{\imath}$ -terminal extension in plant phytochrome phyB. <i>FEBS Letters</i> , 2017, 591, 1258-1265.	1.3	7
135	Nicotinamide Adenine Dinucleotides Arrest Photoreduction of Class II DNA Photolyases in FADH $\hat{\imath}$ ™ State. <i>Photochemistry and Photobiology</i> , 2018, 94, 81-87.	1.3	7
136	Twist and turn: a revised structural view on the unpaired bubble of class II CPD photolyase in complex with damaged DNA. <i>IUCr</i> , 2018, 5, 608-618.	1.0	7
137	Dwelling in the dark: procedures for the crystallography of phytochromes and other photochromic proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 1232-1235.	2.5	6
138	Chemical engineering of <i>Mycobacterium tuberculosis</i> dodecin hybrids. <i>Chemical Communications</i> , 2011, 47, 11071.	2.2	6
139	Structural and Functional Characterization of PA14/Flo5-Like Adhesins From <i>Komagataella pastoris</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2581.	1.5	6
140	Structure of the Yeast Cell Wall Integrity Sensor Wsc1 Reveals an Essential Role of Surface-Exposed Aromatic Clusters. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 379.	1.5	6
141	Purification, Crystallization, and Preliminary X-ray Diffraction Analysis of the Tricorn Protease Hexamer from <i>Thermoplasma acidophilum</i> . <i>Journal of Structural Biology</i> , 2001, 134, 83-87.	1.3	5
142	Hyperactivity of the <i>Arabidopsis</i> cryptochrome (cry1) L407F mutant is caused by a structural alteration close to the cry1 ATP-binding site. <i>Journal of Biological Chemistry</i> , 2017, 292, 12906-12920.	1.6	5
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161	Cover Picture: On the Function and Structure of Synthetically Modified Porins (<i>Angew. Chem. Int. Ed.</i>) Tj ETQq1 1 0,784314 rgBT /Overl 7.2 6	7.2	6