Scott A White

List of Publications by Year
in descending order

38 papers	1,468 citations	430874 18 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1750 citing authors

#	Article	IF	Citations
1	The <scp>3D</scp>â€structure, kinetics and dynamics of the E.â€‰coli nitroreductase <scp>NfsA</scp> with <scp>NADP</scp>⁺ provide glimpses of its catalytic mechanism. FEBS Letters, 2022, 596, 2425-2440.	2.8	3
2	The structures of E. coli NfsA bound to the antibiotic nitrofurantoin; to 1,4-benzoquinone and to FMN. Biochemical Journal, 2021, 478, 2601-2617.	3.7	15
3	Locationâ€Dependent Lanthanide Selectivity Engineered into Structurally Characterized Designed Coiled Coils. Angewandte Chemie - International Edition, 2021, 60, 24473-24477.	13.8	10
4	Identification of Phosphorylation Sites Altering Pollen Soluble Inorganic Pyrophosphatase Activity. Plant Physiology, 2017, 173, 1606-1616.	4.8	10
5	Intrinsic disorder in the partitioning protein KorB persists after co-operative complex formation with operator DNA and KorA. Biochemical Journal, 2017, 474, 3121-3135.	3.7	6
6	Flexibility of KorA, a plasmid-encoded, global transcription regulator, in the presence and the absence of its operator. Nucleic Acids Research, 2016, 44, 4947-4956.	14.5	6
7	The specificity of proton-translocating transhydrogenase for nicotinamide nucleotides. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 85-94.	1.0	9
8	The homodimeric GBS1074 fromStreptococcus agalactiae. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1421-1425.	0.7	16
9	Order and Disorder in the Domain Organization of the Plasmid Partition Protein KorB. Journal of Biological Chemistry, 2010, 285, 15440-15449.	3.4	11
10	Structure of rat odorant-binding protein OBP1 at 1.6â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 403-410.	2.5	17
11	Characterization of Two Novel Aldoâ€“Keto Reductases from Arabidopsis: Expression Patterns, Broad Substrate Specificity, and an Open Active-Site Structure Suggest a Role in Toxicant Metabolism Following Stress. Journal of Molecular Biology, 2009, 392, 465-480.	4.2	123
12	Steady-State and Stopped-Flow Kinetic Studies of Three Escherichia coli NfsB Mutants with Enhanced Activity for the Prodrug CB1954. Biochemistry, 2009, 48, 7665-7672.	2.5	38
13	Differential specific radiation damage in the Cu^{II}-bound and Pd^{II}-bound forms of an Î±-helical foldamer: a case study of crystallographic phasing by RIP and SAD. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 264-272.	2.5	7
14	Substitution of Tyrosine 146 in the dI Component of Proton-translocating Transhydrogenase Leads to Reversible Dissociation of the Active Dimer into Inactive Monomers. Journal of Biological Chemistry, 2007, 282, 36434-36443.	3.4	4
15	Kinetic and Mutational Analyses of the Major Cytosolic Exopolyphosphatase from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2007, 282, 9302-9311.	3.4	22
16	Kinetic and Structural Characterisation of Escherichia coli Nitroreductase Mutants Showing Improved Efficacy for the Prodrug Substrate CB1954. Journal of Molecular Biology, 2007, 368, 481-492.	4.2	66
17	Structures of the dI2dIII1Complex of Proton-Translocating Transhydrogenase with Bound, Inactive Analogues of NADH and NADPH Reveal Active Site Geometriesâ€¡. Biochemistry, 2007, 46, 3304-3318.	2.5	14
18	The Role of Invariant Amino Acid Residues at the Hydride Transfer Site of Proton-translocating Transhydrogenase. Journal of Biological Chemistry, 2006, 281, 13345-13354.	3.4	12

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19	Phasing in the presence of radiation damage. Journal of Synchrotron Radiation, 2005, 12, 276-284.	2.4	47
20	Structural and Mechanistic Studies of Escherichia coli Nitroreductase with the Antibiotic Nitrofurazone. Journal of Biological Chemistry, 2005, 280, 13256-13264.	3.4	169
21	Crystal Structures of Prostaglandin D2 11-Ketoreductase (AKR1C3) in Complex with the Nonsteroidal Anti-Inflammatory Drugs Flufenamic Acid and Indomethacin. Cancer Research, 2004, 64, 1802-1810.	0.9	106
22	Active-Site Conformational Changes Associated with Hydride Transfer in Proton-Translocating Transhydrogenaseâ€,â€¡. Biochemistry, 2004, 43, 10952-10964.	2.5	29
23	Glutamine 132 in the NAD(H)-Binding Component of Proton-Translocating Transhydrogenase Tethers the Nucleotides before Hydride Transfer. Biochemistry, 2003, 42, 1217-1226.	2.5	14
24	Interactions between Transhydrogenase and Thio-nicotinamide Analogues of NAD(H) and NADP(H) Underline the Importance of Nucleotide Conformational Changes in Coupling to Proton Translocation. Journal of Biological Chemistry, 2003, 278, 33208-33216.	3.4	13
25	The Alternating Site, Binding Change Mechanism for Proton Translocation by Transhydrogenase. Biochemistry, 2002, 41, 4173-4185.	2.5	49
26	The structure of Escherichia coli nitroreductase complexed with nicotinic acid: three crystal forms at 1.7 Ã..., 1.8 Ã... and 2.4 Ã... resolution. Journal of Molecular Biology, 2001, 309, 203-213.	4.2	99
27	The â€œopenâ€•and â€œclosedâ€•structures of the type-C inorganic pyrophosphatases from Bacillus subtilis and Streptococcus gordonii. Journal of Molecular Biology, 2001, 313, 797-811.	4.2	82
28	The unusual transhydrogenase ofEntamoeba histolytica. FEBS Letters, 2001, 488, 51-54.	2.8	19
29	The Crystal Structure of an Asymmetric Complex of the Two Nucleotide Binding Components of Proton-Translocating Transhydrogenase. Structure, 2001, 9, 165-176.	3.3	59
30	The Heterotrimer of the Membrane-peripheral Components of Transhydrogenase and the Alternating-site Mechanism of Proton Translocation. Journal of Biological Chemistry, 2001, 276, 30678-30685.	3.4	30
31	The NADP(H)-binding component (dIII) of human heart transhydrogenase: crystallization and preliminary crystallographic analysis. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 489-491.	2.5	1
32	The high-resolution structure of the NADP(H)-binding component (dIII) of proton-translocating transhydrogenase from human heart mitochondria. Structure, 2000, 8, 1-12.	3.3	180
33	Proteinâ€“protein recognition, hydride transfer and proton pumping in the transhydrogenase complex11Because Structure with Folding & Design operates a â€˜Continuous Publication Systemâ€™ for Research Papers, this paper has been published on the internet before being printed (accessed from) Tj ETQq1 1 0.784314 rgBT /Ov page.. Structure, 2000, 8, 809-815.	3.3	45
34	Structure and mechanism of proton-translocating transhydrogenase. FEBS Letters, 1999, 464, 1-8.	2.8	51
35	Electron transfer proteins/enzymes. Current Opinion in Structural Biology, 1993, 3, 902-911.	5.7	6
36	Flavocytochrome B2. Advances in Inorganic Chemistry, 1991, 36, 257-301.	1.0	24

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37	Probing the active site of flavocytochrome b2 by site-directed mutagenesis. FEBS Journal, 1988, 178, 329-333.	0.2	46
38	Location Dependent Lanthanide Selectivity Engineered into Structurally Characterized Designed Coiled Coils. Angewandte Chemie, 0, , .	2.0	0