

# Scott A White

## List of Publications by Year in descending order

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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 high-resolution structure of the NADP(H)-binding component (dIII) of proton-translocating transhydrogenase from human heart mitochondria. <i>Structure</i> , 2000, 8, 1-12.	3.3	180
2	Structural and Mechanistic Studies of Escherichia coli Nitroreductase with the Antibiotic Nitrofurazone. <i>Journal of Biological Chemistry</i> , 2005, 280, 13256-13264.	3.4	169
3	Characterization of Two Novel Aldo-Keto Reductases from Arabidopsis: Expression Patterns, Broad Substrate Specificity, and an Open Active-Site Structure Suggest a Role in Toxicant Metabolism Following Stress. <i>Journal of Molecular Biology</i> , 2009, 392, 465-480.	4.2	123
4	Crystal Structures of Prostaglandin D2 11-Ketoreductase (AKR1C3) in Complex with the Nonsteroidal Anti-Inflammatory Drugs Flufenamic Acid and Indomethacin. <i>Cancer Research</i> , 2004, 64, 1802-1810.	0.9	106
5	The structure of Escherichia coli nitroreductase complexed with nicotinic acid: three crystal forms at 1.7 Å..., 1.8 Å... and 2.4 Å... resolution. <i>Journal of Molecular Biology</i> , 2001, 309, 203-213.	4.2	99
6	The "open" and "closed" structures of the type-C inorganic pyrophosphatases from Bacillus subtilis and Streptococcus gordonii. <i>Journal of Molecular Biology</i> , 2001, 313, 797-811.	4.2	82
7	Kinetic and Structural Characterisation of Escherichia coli Nitroreductase Mutants Showing Improved Efficacy for the Prodrug Substrate CB1954. <i>Journal of Molecular Biology</i> , 2007, 368, 481-492.	4.2	66
8	The Crystal Structure of an Asymmetric Complex of the Two Nucleotide Binding Components of Proton-Translocating Transhydrogenase. <i>Structure</i> , 2001, 9, 165-176.	3.3	59
9	Protein-protein recognition, hydride transfer and proton pumping in the transhydrogenase complex. <i>Structure with Folding &amp; Design</i> operates a "Continuous Publication System" for Research Papers, this paper has been published on the internet before being printed (accessed from) <a href="http://www.sciencedirect.com/science/article/pii/S104640450000011">http://www.sciencedirect.com/science/article/pii/S104640450000011</a> (accessed from) <a href="http://www.sciencedirect.com/science/article/pii/S104640450000011">http://www.sciencedirect.com/science/article/pii/S104640450000011</a> /C		
10	Structure and mechanism of proton-translocating transhydrogenase. <i>FEBS Letters</i> , 1999, 464, 1-8.	2.8	51
11	The Alternating Site, Binding Change Mechanism for Proton Translocation by Transhydrogenase. <i>Biochemistry</i> , 2002, 41, 4173-4185.	2.5	49
12	Phasing in the presence of radiation damage. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 276-284.	2.4	47
13	Probing the active site of flavocytochrome b2 by site-directed mutagenesis. <i>FEBS Journal</i> , 1988, 178, 329-333.	0.2	46
14	Steady-State and Stopped-Flow Kinetic Studies of Three Escherichia coli NfsB Mutants with Enhanced Activity for the Prodrug CB1954. <i>Biochemistry</i> , 2009, 48, 7665-7672.	2.5	38
15	The Heterotrimer of the Membrane-peripheral Components of Transhydrogenase and the Alternating-site Mechanism of Proton Translocation. <i>Journal of Biological Chemistry</i> , 2001, 276, 30678-30685.	3.4	30
16	Active-Site Conformational Changes Associated with Hydride Transfer in Proton-Translocating Transhydrogenase. <i>Biochemistry</i> , 2004, 43, 10952-10964.	2.5	29
17	Flavocytochrome B2. <i>Advances in Inorganic Chemistry</i> , 1991, 36, 257-301.	1.0	24
18	Kinetic and Mutational Analyses of the Major Cytosolic Exopolyphosphatase from Saccharomyces cerevisiae. <i>Journal of Biological Chemistry</i> , 2007, 282, 9302-9311.	3.4	22

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19	The unusual transhydrogenase of <i>Entamoeba histolytica</i> . FEBS Letters, 2001, 488, 51-54.	2.8	19
20	Structure of rat odorant-binding protein OBP1 at 1.6 Å resolution. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 403-410.	2.5	17
21	The homodimeric GBS1074 from <i>Streptococcus agalactiae</i> . Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1421-1425.	0.7	16
22	The structures of <i>E. coli</i> NfsA bound to the antibiotic nitrofurantoin; to 1,4-benzoquinone and to FMN. Biochemical Journal, 2021, 478, 2601-2617.	3.7	15
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	Structures of the dI2dIII1 Complex of Proton-Translocating Transhydrogenase with Bound, Inactive Analogues of NADH and NADPH Reveal Active Site Geometries. Biochemistry, 2007, 46, 3304-3318.	2.5	14
25	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
26	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
27	Order and Disorder in the Domain Organization of the Plasmid Partition Protein KorB. Journal of Biological Chemistry, 2010, 285, 15440-15449.	3.4	11
28	Identification of Phosphorylation Sites Altering Pollen Soluble Inorganic Pyrophosphatase Activity. Plant Physiology, 2017, 173, 1606-1616.	4.8	10
29	Location-Dependent Lanthanide Selectivity Engineered into Structurally Characterized Designed Coiled Coils. Angewandte Chemie - International Edition, 2021, 60, 24473-24477.	13.8	10
30	The specificity of proton-translocating transhydrogenase for nicotinamide nucleotides. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 85-94.	1.0	9
31	Differential specific radiation damage in the Cu <sup>II</sup> -bound and Pd <sup>II</sup> -bound forms of an $\alpha$ -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
32	Electron transfer proteins/enzymes. Current Opinion in Structural Biology, 1993, 3, 902-911.	5.7	6
33	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
34	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
35	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
36	The 3D structure, kinetics and dynamics of the <i>E. coli</i> nitroreductase NfsA with NADP <sup>+</sup> provide glimpses of its catalytic mechanism. FEBS Letters, 2022, 596, 2425-2440.	2.8	3

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37	The NADP(H)-binding component (dIII) of human heart transhydrogenase: crystallization and preliminary crystallographic analysis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 489-491.	2.5	1
38	Location Dependent Lanthanide Selectivity Engineered into Structurally Characterized Designed Coiled Coils. <i>Angewandte Chemie</i> , 0, , .	2.0	0