## Andrew S Arvai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4969794/publications.pdf Version: 2024-02-01



ΔΝΟΡΕΊΑΙ S ΔΟΊΛΙ

#	Article	IF	CITATIONS
1	A nucleotide-flipping mechanism from the structure of human uracil–DNA glycosylase bound to DNA. Nature, 1996, 384, 87-92.	27.8	520
2	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. Molecular Cell, 2014, 53, 7-18.	9.7	466
3	Crystal structure and mutational analysis of human uracil-DNA glycosylase: Structural basis for specificity and catalysis. Cell, 1995, 80, 869-878.	28.9	361
4	MutY catalytic core, mutant and bound adenine structures define specificity for DNA repair enzyme superfamily. Nature Structural Biology, 1998, 5, 1058-1064.	9.7	297
5	Crystal structure of human uracil-DNA glycosylase in complex with a protein inhibitor: Protein mimicry of DNA. Cell, 1995, 82, 701-708.	28.9	253
6	Structural and functional characterization of a conserved pair of bacterial cellulose-oxidizing lytic polysaccharide monooxygenases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8446-8451.	7.1	241
7	Anchored plasticity opens doors for selective inhibitor design in nitric oxide synthase. Nature Chemical Biology, 2008, 4, 700-707.	8.0	205
8	Structure of Haemophilus influenzae Fe+3-binding protein reveals convergent evolution within a superfamily. Nature Structural and Molecular Biology, 1997, 4, 919-924.	8.2	183
9	Protein mimicry of DNA from crystal structures of the uracil-DNA glycosylase inhibitor protein and its complex with Escherichia coli uracil-DNA glycosylase 1 1Edited by D. C. Rees. Journal of Molecular Biology, 1999, 287, 331-346.	4.2	120
10	Phosphate steering by Flap Endonuclease 1 promotes 5′-flap specificity and incision to prevent genome instability. Nature Communications, 2017, 8, 15855.	12.8	81
11	Ultrahigh Resolution and Full-length Pilin Structures with Insights for Filament Assembly, Pathogenic Functions, and Vaccine Potential. Journal of Biological Chemistry, 2011, 286, 44254-44265.	3.4	62
12	Reaction Intermediates in the Catalytic Mechanism of Escherichia coli MutY DNA Glycosylase. Journal of Biological Chemistry, 2004, 279, 46930-46939.	3.4	47
13	The nucleotideâ€dependent interaction of FlaH and FlaI is essential for assembly and function of the archaellum motor. Molecular Microbiology, 2016, 99, 674-685.	2.5	47
14	Selfâ€Assembly of the Cephalopod Protein Reflectin. Advanced Materials, 2016, 28, 8405-8412.	21.0	41
15	Targeting SARS-CoV-2 Nsp3 macrodomain structure with insights from human poly(ADP-ribose) glycohydrolase (PARG) structures with inhibitors. Progress in Biophysics and Molecular Biology, 2021, 163, 171-186.	2.9	39
16	Human XPG nuclease structure, assembly, and activities with insights for neurodegeneration and cancer from pathogenic mutations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14127-14138.	7.1	37
17	Structures of Tetrahydrobiopterin Binding-Site Mutants of Inducible Nitric Oxide Synthase Oxygenase Dimer and Implicated Roles of Trp457â€,‡. Biochemistry, 2001, 40, 12826-12832.	2.5	34
18	Fragment- and structure-based drug discovery for developing therapeutic agents targeting the DNA Damage Response. Progress in Biophysics and Molecular Biology, 2021, 163, 130-142.	2.9	21

ANDREW S ARVAI

#	Article	IF	CITATIONS
19	Targeting Allostery with Avatars to Design Inhibitors Assessed by Cell Activity: Dissecting MRE11 Endo- and Exonuclease Activities. Methods in Enzymology, 2018, 601, 205-241.	1.0	20
20	An effective human uracil-DNA glycosylase inhibitor targets the open pre-catalytic active site conformation. Progress in Biophysics and Molecular Biology, 2021, 163, 143-159.	2.9	14
21	Crystallization and preliminary crystallographic study of human CksHs1: A cell cycle regulatory protein. Proteins: Structure, Function and Bioinformatics, 1995, 21, 70-73.	2.6	8
22	Bioinspired Films: Selfâ€Assembly of the Cephalopod Protein Reflectin (Adv. Mater. 38/2016). Advanced Materials, 2016, 28, 8553-8553.	21.0	0