

# Wayne F Anderson

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,359  
citations

331670

21  
h-index

361022

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensor Domain of Histidine Kinase VxrA of <i>Vibrio cholerae</i> : Hairpin-Swapped Dimer and Its Conformational Change. <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	4
2	A comparative genomics approach identifies contact-dependent growth inhibition as a virulence determinant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6811-6821.	7.1	39
3	A Selective and Brain Penetrant p38 $\beta$ -MAPK Inhibitor Candidate for Neurologic and Neuropsychiatric Disorders That Attenuates Neuroinflammation and Cognitive Dysfunction. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5298-5311.	6.4	31
4	Analysis of crystalline and solution states of ligand-free spermidine N-acetyltransferase (SpeG) from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 545-553.	2.3	8
5	Structural Basis for DNA Recognition by the Two-Component Response Regulator RcsB. <i>MBio</i> , 2018, 9, .	4.1	15
6	Structure of the <i>Bacillus anthracis</i> dTDP-l-rhamnose biosynthetic pathway enzyme: dTDP-l-d-glucose 4,6-dehydratase, RfbB. <i>Journal of Structural Biology</i> , 2018, 202, 175-181.	2.8	8
7	An acetyltable lysine controls CRP function in <i>E. coli</i> . <i>Molecular Microbiology</i> , 2018, 107, 116-131.	2.5	51
8	The spermidine acetyltransferase SpeG regulates transcription of the small RNA rprA. <i>PLoS ONE</i> , 2018, 13, e0207563.	2.5	4
9	The bacterial Ras/Rap1 site-specific endopeptidase RRSP cleaves Ras through an atypical mechanism to disrupt Ras-ERK signaling. <i>Science Signaling</i> , 2018, 11, .	3.6	39
10	CSGID Solves Structures and Identifies Phenotypes for Five Enzymes in <i>Toxoplasma gondii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 352.	3.9	14
11	<i>Listeria monocytogenes</i> InIP interacts with afadin and facilitates basement membrane crossing. <i>PLoS Pathogens</i> , 2018, 14, e1007094.	4.7	35
12	Structural and immunological characterization of <i>E. coli</i> derived recombinant CRM197 protein used as carrier in conjugate vaccines. <i>Bioscience Reports</i> , 2018, 38, .	2.4	23
13	Transferase Versus Hydrolase: The Role of Conformational Flexibility in Reaction Specificity. <i>Structure</i> , 2017, 25, 295-304.	3.3	23
14	Identification of novel small molecule inhibitors against NS2B/NS3 serine protease from Zika virus. <i>Antiviral Research</i> , 2017, 139, 49-58.	4.1	113
15	Insight into the 3D structure and substrate specificity of previously uncharacterized GNAT superfamily acetyltransferases from pathogenic bacteria. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 55-64.	2.3	13
16	Structure to function of an l-glucan metabolic pathway that promotes <i>Listeria monocytogenes</i> pathogenesis. <i>Nature Microbiology</i> , 2017, 2, 16202.	13.3	33
17	Structure of the <i>Bacillus anthracis</i> dTDP-l-rhamnose-biosynthetic enzyme dTDP-4-dehydrorhamnose reductase (RfbD). <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 644-650.	0.8	6
18	New ligation independent cloning vectors for expression of recombinant proteins with a self-cleaving CPD/6xHis-tag. <i>BMC Biotechnology</i> , 2017, 17, 1.	3.3	42

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19	Structure of the Bacillus anthracis dTDP-L-rhamnose-biosynthetic enzyme glucose-1-phosphate thymidyltransferase (RfbA). Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 621-628.	0.8	2
20	Structure of the Bacillus anthracis dTDP-L-rhamnose-biosynthetic enzyme dTDP-4-dehydrorhamnose 3,5-epimerase (RfbC). Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 664-671.	0.8	6
21	Crystal structures of the transpeptidase domain of the Mycobacterium tuberculosis penicillin-binding protein PonA1 reveal potential mechanisms of antibiotic resistance. FEBS Journal, 2016, 283, 2206-2218.	4.7	18
22	Crystal Structures of the SpoIID Lytic Transglycosylases Essential for Bacterial Sporulation. Journal of Biological Chemistry, 2016, 291, 14915-14926.	3.4	15
23	Structure of the Essential Mtb FadD32 Enzyme: A Promising Drug Target for Treating Tuberculosis. ACS Infectious Diseases, 2016, 2, 579-591.	3.8	37
24	Small angle X-ray scattering data and structure factor fitting for the study of the quaternary structure of the spermidine N-acetyltransferase SpeG. Data in Brief, 2016, 6, 47-52.	1.0	3
25	Crystal structure of nonphosphorylated receiver domain of the stress response regulator RcsB from Escherichia coli. Protein Science, 2016, 25, 2216-2224.	7.6	9
26	Loop-to-helix transition in the structure of multidrug regulator AcrR at the entrance of the drug-binding cavity. Journal of Structural Biology, 2016, 194, 18-28.	2.8	12
27	An Unusual Cation-Binding Site and Distinct Domain-Domain Interactions Distinguish Class II Enolpyruvylshikimate-3-phosphate Synthases. Biochemistry, 2016, 55, 1239-1245.	2.5	18
28	Fluorescence-based thermal shift data on multidrug regulator AcrR from Salmonella enterica subsp. enterica serovar Typhimurium str. LT2. Data in Brief, 2016, 7, 537-539.	1.0	0
29	Substrate-Induced Allosteric Change in the Quaternary Structure of the Spermidine N-Acetyltransferase SpeG. Journal of Molecular Biology, 2015, 427, 3538-3553.	4.2	12
30	A Novel Phosphatidylinositol 4,5-Bisphosphate Binding Domain Mediates Plasma Membrane Localization of ExoU and Other Patatin-like Phospholipases. Journal of Biological Chemistry, 2015, 290, 2919-2937.	3.4	34
31	Targeting Human Central Nervous System Protein Kinases: An Isoform Selective p38 MAPK Inhibitor That Attenuates Disease Progression in Alzheimer's Disease Mouse Models. ACS Chemical Neuroscience, 2015, 6, 666-680.	3.5	75
32	Structural Genomics Support for Infectious Disease Drug Design. ACS Infectious Diseases, 2015, 1, 127-129.	3.8	2
33	A Novel Polyamine Allosteric Site of SpeG from Vibrio cholerae Is Revealed by Its Dodecameric Structure. Journal of Molecular Biology, 2015, 427, 1316-1334.	4.2	24
34	Structural and functional analysis of betaine aldehyde dehydrogenase from Staphylococcus aureus. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 1159-1175.	2.5	16
35	Discovery of Selective Inhibitors of the Clostridium difficile Dehydroquinase Dehydratase. PLoS ONE, 2014, 9, e9356.	2.5	12
36	Structural, Kinetic and Proteomic Characterization of Acetyl Phosphate-Dependent Bacterial Protein Acetylation. PLoS ONE, 2014, 9, e94816.	2.5	249

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37	Potential for Reduction of Streptogramin A Resistance Revealed by Structural Analysis of Acetyltransferase VatA. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7083-7092.	3.2	19
38	Structure-Based Mutational Studies of Substrate Inhibition of Betaine Aldehyde Dehydrogenase BetB from <i>Staphylococcus aureus</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 3992-4002.	3.1	52
39	Structure of the LdcB LD-Carboxypeptidase Reveals the Molecular Basis of Peptidoglycan Recognition. <i>Structure</i> , 2014, 22, 949-960.	3.3	31
40	Structural, Functional, and Inhibition Studies of a Gcn5-related N-Acetyltransferase (GNAT) Superfamily Protein PA4794. <i>Journal of Biological Chemistry</i> , 2013, 288, 30223-30235.	3.4	37
41	Development of Novel In Vivo Chemical Probes to Address CNS Protein Kinase Involvement in Synaptic Dysfunction. <i>PLoS ONE</i> , 2013, 8, e66226.	2.5	58
42	The structure of the <i>yrdC</i> gene product from <i>Escherichia coli</i> reveals a new fold and suggests a role in RNA binding. <i>Protein Science</i> , 2000, 9, 2557-2566.	7.6	74
43	Structure of the fibrinogen $\beta$ -chain integrin binding and factor XIIIa cross-linking sites obtained through carrier protein driven crystallization. <i>Protein Science</i> , 1999, 8, 2663-2671.	7.6	39