

# R Jeremy Johnson

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

451  
citations

932766

10  
h-index

713013

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of Human Pancreatic Ribonuclease by the Human Ribonuclease Inhibitor Protein. <i>Journal of Molecular Biology</i> , 2007, 368, 434-449.	2.0	130
2	Implementation of a Collaborative Series of Classroom-Based Undergraduate Research Experiences Spanning Chemical Biology, Biochemistry, and Neurobiology. <i>CBE Life Sciences Education</i> , 2016, 15, ar55.	1.1	38
3	Microbial esterases and ester prodrugs: An unlikely marriage for combating antibiotic resistance. <i>Drug Development Research</i> , 2019, 80, 33-47.	1.4	36
4	The structural basis for the narrow substrate specificity of an acetyl esterase from <i>Thermotoga maritima</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1024-1030.	1.1	28
5	Large Scale Structural Rearrangement of a Serine Hydrolase from <i>Francisella tularensis</i> Facilitates Catalysis. <i>Journal of Biological Chemistry</i> , 2013, 288, 10522-10535.	1.6	28
6	Rapid and Adaptable Measurement of Protein Thermal Stability by Differential Scanning Fluorimetry: Updating a Common Biochemical Laboratory Experiment. <i>Journal of Chemical Education</i> , 2014, 91, 1077-1080.	1.1	26
7	A Sensitive and Robust Enzyme Kinetic Experiment Using Microplates and Fluorogenic Ester Substrates. <i>Journal of Chemical Education</i> , 2015, 92, 385-388.	1.1	19
8	Structural Basis for the Strict Substrate Selectivity of the Mycobacterial Hydrolase LipW. <i>Biochemistry</i> , 2016, 55, 7099-7111.	1.2	19
9	Distinct Substrate Selectivity of a Metabolic Hydrolase from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2014, 53, 7386-7395.	1.2	18
10	Decoupled Roles for the Atypical, Bifurcated Binding Pocket of the ybfF Hydrolase. <i>ChemBioChem</i> , 2013, 14, 1134-1144.	1.3	17
11	Genetic selection reveals the role of a buried, conserved polar residue. <i>Protein Science</i> , 2007, 16, 1609-1616.	3.1	10
12	Teaching foundational topics and scientific skills in biochemistry within the conceptual framework of HIV protease. <i>Biochemistry and Molecular Biology Education</i> , 2014, 42, 299-304.	0.5	10
13	Measuring the Global Substrate Specificity of Mycobacterial Serine Hydrolases Using a Library of Fluorogenic Ester Substrates. <i>ACS Infectious Diseases</i> , 2018, 4, 904-911.	1.8	10
14	Fluorogenic structure activity library pinpoints molecular variations in substrate specificity of structurally homologous esterases. <i>Journal of Biological Chemistry</i> , 2018, 293, 13851-13862.	1.6	9
15	The unusual substrate specificity of a virulence associated serine hydrolase from the highly toxic bacterium, <i>Francisella tularensis</i> . <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 415-422.	0.7	8
16	Ester-prodrugs of ethambutol control its antibacterial activity and provide rapid screening for mycobacterial hydrolase activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4544-4547.	1.0	7
17	Structure-guided microbial targeting of antistaphylococcal prodrugs. <i>ELife</i> , 2021, 10, .	2.8	7
18	In Vivo Delivery and Activation of Masked Fluorogenic Hydrolase Substrates by Endogenous Hydrolases in <i>C. elegans</i> . <i>ChemBioChem</i> , 2017, 18, 1807-1813.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Comparative analysis of the human serine hydrolase OVCA2 to the model serine hydrolase homolog FSH1 from <i>S. cerevisiae</i> . PLoS ONE, 2020, 15, e0230166.	1.1	5
20	Transition metal cation inhibition of <i>Mycobacterium tuberculosis</i> esterase RV0045C. Protein Science, 2021, 30, 1554-1565.	3.1	5
21	A dynamic loop provides dual control over the catalytic and membrane binding activity of a bacterial serine hydrolase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 925-932.	1.1	4
22	Arsenicâ€based Life: An active learning assignment for teaching scientific discourse. Biochemistry and Molecular Biology Education, 2017, 45, 40-45.	0.5	3
23	A practical guide to teaching with Proteopedia. Biochemistry and Molecular Biology Education, 2021, 49, 707-719.	0.5	3
24	Teaching argumentation and scientific discourse using the ribosomal peptidyl transferase reaction. Biochemistry and Molecular Biology Education, 2011, 39, 185-190.	0.5	2
25	Proteopedia entry: Bovine pancreatic ribonuclease a. Biochemistry and Molecular Biology Education, 2012, 40, 75-75.	0.5	1
26	Proteopedia entry: Mammalian serine hydrolases. Biochemistry and Molecular Biology Education, 2015, 43, 60-61.	0.5	1
27	Proteopedia entry: Gâ€protein coupled receptors. Biochemistry and Molecular Biology Education, 2017, 45, 277-278.	0.5	1
28	Cover Image, Volume 80, Issue 1. Drug Development Research, 2019, 80, i-i.	1.4	0
29	Comprehensive substrate specificity map of the mycobacterial serine hydrolase, LipN. FASEB Journal, 2021, 35, .	0.2	0
30	Proteopedia entry: Structure of complex membrane proteins solved using cryoâ€electron microscopy. Biochemistry and Molecular Biology Education, 2021, 49, 813-814.	0.5	0
31	Largeâ€scale structural rearrangement of a serine hydrolase from <i>Francisella tularensis</i> facilitates catalysis. FASEB Journal, 2013, 27, 561.2.	0.2	0
32	Measuring bacterial Sâ€acylation in <i>Pseudomonas putida</i> . FASEB Journal, 2013, 27, 555.1.	0.2	0
33	Fluorogenic structure activity library pinpoints molecular variations in the substrate specificity of structurally homologous esterases. FASEB Journal, 2018, 32, 530.7.	0.2	0
34	Screening for novel longâ€chain bacterial esterase activity. FASEB Journal, 2018, 32, 796.10.	0.2	0
35	Tuberculosis serine hydrolase variable expression, isolation, and characterization under hypoxia conditions. FASEB Journal, 2018, 32, 796.20.	0.2	0
36	Role of a conserved family of serine hydrolases in ethanol toxicity. FASEB Journal, 2022, 36, .	0.2	0