

Rui Wu

List of Publications by Year in descending order

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papers

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933447

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495
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural analysis reveals a pyruvate-binding activator site in the <i>Agrobacterium tumefaciens</i> ADP-glucose pyrophosphorylase. <i>Journal of Biological Chemistry</i> , 2019, 294, 1338-1348.	3.4	11
2	Substrate Trapping in the Siderophore Tailoring Enzyme PvdQ. <i>ACS Chemical Biology</i> , 2017, 12, 643-647.	3.4	6
3	Multiple States of Nitrile Hydratase from <i>Rhodococcus equi</i> TG328-2: Structural and Mechanistic Insights from Electron Paramagnetic Resonance and Density Functional Theory Studies. <i>Biochemistry</i> , 2017, 56, 3068-3077.	2.5	9
4	PLP and GABA trigger GabR-mediated transcription regulation in <i>Bacillus subtilis</i> via external aldimine formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3891-3896.	7.1	26
5	The Crystal Structure of <i>Nitrosomonas europaea</i> Sucrose Synthase Reveals Critical Conformational Changes and Insights into Sucrose Metabolism in Prokaryotes. <i>Journal of Bacteriology</i> , 2015, 197, 2734-2746.	2.2	23
6	Mechanism of Inactivation of \hat{I}^3 -Aminobutyric Acid Aminotransferase by (1 <i>S</i>)-,3 <i>S</i> -3-Amino-4-difluoromethylene-1-cyclopentanoic Acid (CPP-115). <i>Journal of the American Chemical Society</i> , 2015, 137, 2628-2640.	13.7	29
7	Design and Mechanism of Tetrahydrothiophene-Based \hat{I}^3 -Aminobutyric Acid Aminotransferase Inactivators. <i>Journal of the American Chemical Society</i> , 2015, 137, 4525-4533.	13.7	17
8	Analyzing the catalytic role of active site residues in the Fe-type nitrile hydratase from <i>Comamonas testosteroni</i> Ni1. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 885-894.	2.6	8
9	Mechanism of Inactivation of GABA Aminotransferase by (<i>E</i>)- and (<i>Z</i>)- (1 <i>S</i>)-,3 <i>S</i> -3-Amino-4-fluoromethylenyl-1-cyclopentanoic Acid. <i>ACS Chemical Biology</i> , 2015, 10, 2087-2098.	3.4	12
10	<i>n</i> -Alkylboronic Acid Inhibitors Reveal Determinants of Ligand Specificity in the Quorum-Quenching and Siderophore Biosynthetic Enzyme PvdQ. <i>Biochemistry</i> , 2014, 53, 6679-6686.	2.5	17
11	The Active Site Sulfenic Acid Ligand in Nitrile Hydratases Can Function as a Nucleophile. <i>Journal of the American Chemical Society</i> , 2014, 136, 1186-1189.	13.7	54
12	Crystal structure of <i>Bacillus subtilis</i> GabR, an autorepressor and transcriptional activator of <i>gabT</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17820-17825.	7.1	66
13	Rational Design of a Transition State Analogue with Picomolar Affinity for <i>Pseudomonas aeruginosa</i> PvdQ, a Siderophore Biosynthetic Enzyme. <i>ACS Chemical Biology</i> , 2013, 8, 2192-2200.	3.4	41