

Rui Wu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

319
citations

933447

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495
citing authors

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