

Christian Roth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/385768/publications.pdf>

Version: 2024-02-01

17
papers

959
citations

758635

12
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1850
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | <i>CCP4</i> 2: the new graphical user interface to the <i>CCP4</i> program suite. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 68-84. | 1.1 | 382 |
| 2 | HCF-1 Is Cleaved in the Active Site of O-GlcNAc Transferase. <i>Science</i> , 2013, 342, 1235-1239. | 6.0 | 162 |
| 3 | Structural and functional insight into human O-GlcNAcase. <i>Nature Chemical Biology</i> , 2017, 13, 610-612. | 3.9 | 88 |
| 4 | Structural and mechanistic insight into the basis of mucopolysaccharidosis IIIB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6560-6565. | 3.3 | 79 |
| 5 | Amylose recognition and ring-size determination of amylomaltase. <i>Science Advances</i> , 2017, 3, e1601386. | 4.7 | 42 |
| 6 | A Convenient Approach to Stereoisomeric Iminocyclitols: Generation of Potent Brain-Permeable OGA Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15429-15433. | 7.2 | 41 |
| 7 | Analysis of transition state mimicry by tight binding aminothiazoline inhibitors provides insight into catalysis by human O-GlcNAcase. <i>Chemical Science</i> , 2016, 7, 3742-3750. | 3.7 | 33 |
| 8 | Three-dimensional structure of a <i>Streptomyces sviveus</i> GNAT acetyltransferase with similarity to the C-terminal domain of the human GH84 O-GlcNAcase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 186-195. | 2.5 | 29 |
| 9 | Structural and mechanistic insights into a <i>Bacteroides vulgatus</i> retaining N-acetyl- β -galactosaminidase that uses neighbouring group participation. <i>Chemical Communications</i> , 2016, 52, 11096-11099. | 2.2 | 18 |
| 10 | Substrate Engagement and Catalytic Mechanisms of N-Acetylglucosaminyltransferase V. <i>ACS Catalysis</i> , 2020, 10, 8590-8596. | 5.5 | 18 |
| 11 | Structural and Functional Characterization of Three Novel Fungal Amylases with Enhanced Stability and pH Tolerance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4902. | 1.8 | 15 |
| 12 | Structural insight into industrially relevant glucoamylases: flexible positions of starch-binding domains. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 463-470. | 1.1 | 12 |
| 13 | Recombinant expression of a unique chloromuconolactone dehalogenase ClcF from <i>Rhodococcus opacus</i> 1CP and identification of catalytically relevant residues by mutational analysis. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 69-77. | 1.4 | 9 |
| 14 | Crystal structure and catalytic mechanism of chloromuconolactone dehalogenase <i>ClcF</i> from <i>Rhodococcus opacus</i> 1CP. <i>Molecular Microbiology</i> , 2013, 88, 254-267. | 1.2 | 6 |
| 15 | Systematic Evaluation of Fluorination as Modification for Peptide-Based Fusion Inhibitors against HIV-1 Infection. <i>ChemBioChem</i> , 2021, 22, 3443-3451. | 1.3 | 4 |
| 16 | Crystallization and preliminary characterization of chloromuconolactone dehalogenase from <i>Rhodococcus opacus</i> 1CP. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 591-595. | 0.7 | 3 |
| 17 | Structural variation of the 3-acetamido-4,5,6-trihydroxyazepane iminosugar through epimerization and C-alkylation leads to low micromolar HexAB and NagZ inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2021, , . | 1.5 | 3 |