

# Christian Roth

## List of Publications by Year in descending order

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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	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
2	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
3	Substrate Engagement and Catalytic Mechanisms of N-Acetylglucosaminyltransferase V. <i>ACS Catalysis</i> , 2020, 10, 8590-8596.	5.5	18
4	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
5	<i>CCP</i>4<i>2</i>: the new graphical user interface to the<i>CCP</i>4 program suite. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 68-84.	1.1	382
6	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
7	Amylose recognition and ring-size determination of amylomaltase. <i>Science Advances</i> , 2017, 3, e1601386.	4.7	42
8	Structural and functional insight into human O-GlcNAcase. <i>Nature Chemical Biology</i> , 2017, 13, 610-612.	3.9	88
9	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
10	Structural and mechanistic insights into a <i>Bacteroides vulgatus</i> retaining N-acetyl-Î²-galactosaminidase that uses neighbouring group participation. <i>Chemical Communications</i> , 2016, 52, 11096-11099.	2.2	18
11	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
12	Three-dimensional structure of a <i>Streptomyces sviveus</i> GNAT acetyltransferase with similarity to the C-terminal domain of the human GH84<i>O</i>-GlcNAcase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 186-195.	2.5	29
13	HCF-1 Is Cleaved in the Active Site of O-GlcNAc Transferase. <i>Science</i> , 2013, 342, 1235-1239.	6.0	162
14	Crystal structure and catalytic mechanism of chloromuconolactone dehalogenase <sc>ClcF</sc> from <i>Rhodococcus opacus</i> 1<sc>CP</sc>. <i>Molecular Microbiology</i> , 2013, 88, 254-267.	1.2	6
15	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
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 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