Christophe Decroos

List of Publications by Year
in descending order

19	999	840119 11	794141 19
papers	citations	h-index	g-index

19	19	19	1748
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decoding the Ambiguous Electron Paramagnetic Resonance Signals in the Lytic Polysaccharide Monooxygenase from Photorhabdus luminescens. Inorganic Chemistry, 2022, 61, 8022-8035.	1.9	4
2	Structural analysis of histone deacetylase 8 mutants associated with Cornelia de Lange Syndrome spectrum disorders. Journal of Structural Biology, 2021, 213, 107681.	1.3	5
3	Characterization of a bacterial copperâ€dependent lytic polysaccharide monooxygenase with an unusual second coordination sphere. FEBS Journal, 2020, 287, 3298-3314.	2.2	16
4	Understanding the g-tensors of perchlorotriphenylmethyl and Finland-type trityl radicals. Physical Chemistry Chemical Physics, 2020, 22, 20792-20800.	1.3	9
5	Phosphorylation of Histone Deacetylase 8: Structural and Mechanistic Analysis of the Phosphomimetic S39E Mutant. Biochemistry, 2019, 58, 4480-4493.	1.2	8
6	Chemical Modification of 1-Aminocyclopropane Carboxylic Acid (ACC) Oxidase: Cysteine Mutational Analysis, Characterization, and Bioconjugation with a Nitroxide Spin Label. Molecular Biotechnology, 2019, 61, 650-662.	1.3	4
7	Structural and Functional Influence of the Glycine-Rich Loop G³⁰²GGGY on the Catalytic Tyrosine of Histone Deacetylase 8. Biochemistry, 2016, 55, 6718-6729.	1.2	22
8	General Baseâ€“General Acid Catalysis in Human Histone Deacetylase 8. Biochemistry, 2016, 55, 820-832.	1.2	61
9	Variable Active Site Loop Conformations Accommodate the Binding of Macrocyclic Largazole Analogues to HDAC8. Biochemistry, 2015, 54, 2126-2135.	1.2	55
10	Biochemical and Structural Characterization of HDAC8 Mutants Associated with Cornelia de Lange Syndrome Spectrum Disorders. Biochemistry, 2015, 54, 6501-6513.	1.2	41
11	Design, Synthesis, and Evaluation of Polyamine Deacetylase Inhibitors, and High-Resolution Crystal Structures of Their Complexes with Acetylpolyamine Amidohydrolase. Biochemistry, 2015, 54, 4692-4703.	1.2	12
12	Reactions of Amino Acids, Peptides, and Proteins with Oxidized Metabolites of Tris(p-carboxyltetrathiaaryl)methyl Radical EPR Probes. Chemical Research in Toxicology, 2014, 27, 627-636.	1.7	12
13	Loss-of-function HDAC8 mutations cause a phenotypic spectrum of Cornelia de Lange syndrome-like features, ocular hypertelorism, large fontanelle and X-linked inheritance. Human Molecular Genetics, 2014, 23, 2888-2900.	1.4	120
14	Compromised Structure and Function of HDAC8 Mutants Identified in Cornelia de Lange Syndrome Spectrum Disorders. ACS Chemical Biology, 2014, 9, 2157-2164.	1.6	56
15	Toward Stable Electron Paramagnetic Resonance Oximetry Probes: Synthesis, Characterization, and Metabolic Evaluation of New Ester Derivatives of a Tris-(para-carboxyltetrathiaaryl)methyl (TAM) Radical. Chemical Research in Toxicology, 2013, 26, 1561-1569.	1.7	10
16	Synthesis and evaluation of N8-acetylspermidine analogues as inhibitors of bacterial acetylpolyamine amidohydrolase. Bioorganic and Medicinal Chemistry, 2013, 21, 4530-4540.	1.4	14
17	HDAC8 mutations in Cornelia de Lange syndrome affect the cohesin acetylation cycle. Nature, 2012, 489, 313-317.	13.7	488
18	Oxidative decarboxylation of tris-(p-carboxyltetrathiaaryl)methyl radical EPR probes by peroxidases and related hemeproteins: Intermediate formation and characterization of the corresponding cations. Archives of Biochemistry and Biophysics, 2010, 502, 74-80.	1.4	28

#	Article	IF	Citations
19	Oxidative and Reductive Metabolism of Tris(p-carboxyltetrathiaaryl)methyl Radicals by Liver Microsomes. Chemical Research in Toxicology, 2009, 22, 1342-1350.	1.7	34