

Nicholas J Porter

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

756
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone deacetylase 10 structure and molecular function as a polyamine deacetylase. <i>Nature Communications</i> , 2017, 8, 15368.	12.8	139
2	Unusual zinc-binding mode of HDAC6-selective hydroxamate inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13459-13464.	7.1	127
3	Histone Deacetylase 6-Selective Inhibitors and the Influence of Capping Groups on Hydroxamate-Zinc Denticity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8054-8060.	6.4	76
4	Synthesis and Biological Investigation of Phenothiazine-Based Benzhydroxamic Acids as Selective Histone Deacetylase 6 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1138-1166.	6.4	75
5	Structure, mechanism, and inhibition of the zinc-dependent histone deacetylases. <i>Current Opinion in Structural Biology</i> , 2019, 59, 9-18.	5.7	74
6	Binding of the Microbial Cyclic Tetrapeptide Trapoxin A to the Class I Histone Deacetylase HDAC8. <i>ACS Chemical Biology</i> , 2017, 12, 2281-2286.	3.4	57
7	Entropy as a Driver of Selectivity for Inhibitor Binding to Histone Deacetylase 6. <i>Biochemistry</i> , 2018, 57, 3916-3924.	2.5	40
8	Exploring Structural Determinants of Inhibitor Affinity and Selectivity in Complexes with Histone Deacetylase 6. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 295-308.	6.4	32
9	Structural aspects of HDAC8 mechanism and dysfunction in Cornelia de Lange syndrome spectrum disorders. <i>Protein Science</i> , 2016, 25, 1965-1976.	7.6	30
10	Molecular Basis for the Selective Inhibition of Histone Deacetylase 6 by a Mercaptoacetamide Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1301-1305.	2.8	24
11	Structural and Functional Influence of the Glycine-Rich Loop G ³⁰² GGGY on the Catalytic Tyrosine of Histone Deacetylase 8. <i>Biochemistry</i> , 2016, 55, 6718-6729.	2.5	22
12	Design and Synthesis of Dihydroxamic Acids as HDAC6/8/10 Inhibitors. <i>ChemMedChem</i> , 2020, 15, 1163-1174.	3.2	21
13	Biocatalytic Carbene Transfer Using Diazirines. <i>Journal of the American Chemical Society</i> , 2022, 144, 8892-8896.	13.7	21
14	Aza-proline effectively mimics α -proline stereochemistry in triple helical collagen. <i>Chemical Science</i> , 2019, 10, 6979-6983.	7.4	11
15	Structural analysis of histone deacetylase 8 mutants associated with Cornelia de Lange Syndrome spectrum disorders. <i>Journal of Structural Biology</i> , 2021, 213, 107681.	2.8	5
16	Preparation of a new construct of human histone deacetylase 8 for the crystallization of enzyme-inhibitor complexes. <i>Methods in Enzymology</i> , 2019, 626, 561-585.	1.0	2