Louise J Walport

List of Publications by Year
in descending order

28 papers	1,682 citations	430874 18 h-index	501196 28 g-index
37 all docs	37 docs citations	37 times ranked	2628 citing authors

#	Article	IF	Citations
1	Hypoxia and hypoxia mimetics differentially modulate histone post-translational modifications. Epigenetics, 2021, 16, 14-27.	2.7	12
2	Strategies to expand peptide functionality through hybridisation with a small molecule component. RSC Chemical Biology, 2021, 2, 151-165.	4.1	10
3	Fluorescent Amino Acid Initiated de novo Cyclic Peptides for the Labelâ€Free Assessment of Cell Permeability**. ChemMedChem, 2021, 16, 3185-3188.	3.2	3
4	The characterization of protein interactions â€“ what, how and how much?. Chemical Society Reviews, 2021, 50, 12292-12307.	38.1	23
5	Cyclic peptides can engage a single binding pocket through highly divergent modes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26728-26738.	7.1	27
6	Protein Chemistry Looking Ahead: 8th Chemical Protein Synthesis Meeting 16-19 June 2019, Berlin, Germany. Cell Chemical Biology, 2019, 26, 1349-1354.	5.2	0
7	Adventures in Defining Roles of Oxygenases in the Regulation of Protein Biosynthesis. Chemical Record, 2018, 18, 1760-1781.	5.8	4
8	Mechanistic and structural studies of <scp>KDM</scp>â€catalysed demethylation of histone 1 isotype 4 at lysine 26. FEBS Letters, 2018, 592, 3264-3273.	2.8	10
9	Human histone demethylase KDM6B can catalyse sequential oxidations. Chemical Communications, 2018, 54, 7975-7978.	4.1	3
10	Highly selective inhibition of histone demethylases by de novo macrocyclic peptides. Nature Communications, 2017, 8, 14773.	12.8	124
11	Exploring sequence space: harnessing chemical and biological diversity towards new peptide leads. Current Opinion in Chemical Biology, 2017, 38, 52-61.	6.1	68
12	Strategies for transitioning macrocyclic peptides to cell-permeable drug leads. Current Opinion in Biotechnology, 2017, 48, 242-250.	6.6	62
13	Arginine demethylation is catalysed by a subset of JmjC histone lysine demethylases. Nature Communications, 2016, 7, 11974.	12.8	168
14	Analysis of JmjC Demethylase-Catalyzed Demethylation Using Geometrically-Constrained Lysine Analogues. ACS Chemical Biology, 2016, 11, 755-762.	3.4	15
15	1H, 13C, and 15N resonance assignments for the tandem PHD finger motifs of human CHD4. Biomolecular NMR Assignments, 2015, 9, 239-242.	0.8	0
16	Epigenetic regulation by histone demethylases in hypoxia. Epigenomics, 2015, 7, 791-811.	2.1	124
17	Introduction to Structural Studies on 2-Oxoglutarate-Dependent Oxygenases and Related Enzymes. 2-Oxoglutarate-Dependent Oxygenases, 2015, , 59-94.	0.8	30
18	Human UTY(KDM6C) Is a Male-specific NÏµ-Methyl Lysyl Demethylase. Journal of Biological Chemistry, 2014, 289, 18302-18313.	3.4	166

#	Article	IF	Citations
19	Studies on the catalytic domains of multiple JmjC oxygenases using peptide substrates. Epigenetics, 2014, 9, 1596-1603.	2.7	74
20	The Ugi four-component reaction enables expedient synthesis and comparison of photoaffinity probes. Chemical Science, 2013, 4, 4115.	7.4	38
21	5-Carboxy-8-hydroxyquinoline is a broad spectrum 2-oxoglutarate oxygenase inhibitor which causes iron translocation. Chemical Science, 2013, 4, 3110.	7.4	142
22	Total Synthesis of the Antitumor Antibiotic (Â±)-Streptonigrin: First- and Second-Generation Routes for de Novo Pyridine Formation Using Ring-Closing Metathesis. Journal of Organic Chemistry, 2013, 78, 12338-12350.	3.2	56
23	Identification of the KDM2/7 Histone Lysine Demethylase Subfamily Inhibitor and its Antiproliferative Activity. Journal of Medicinal Chemistry, 2013, 56, 7222-7231.	6.4	77
24	Is JmjC Oxygenase Catalysis Limited to Demethylation?. Angewandte Chemie - International Edition, 2013, 52, 7709-7713.	13.8	32
25	Plant Growth Regulator Daminozide Is a Selective Inhibitor of Human KDM2/7 Histone Demethylases. Journal of Medicinal Chemistry, 2012, 55, 6639-6643.	6.4	125
26	Mechanisms of human histone and nucleic acid demethylases. Current Opinion in Chemical Biology, 2012, 16, 525-534.	6.1	163
27	Dynamic Combinatorial Mass Spectrometry Leads to Inhibitors of a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. Journal of Medicinal Chemistry, 2012, 55, 2173-2184.	6.4	49
28	Linking of 2â€Oxoglutarate and Substrate Binding Sites Enables Potent and Highly Selective Inhibition of JmjC Histone Demethylases. Angewandte Chemie - International Edition, 2012, 51, 1631-1634.	13.8	64