Jon R Wilson

List of Publications by Year
in descending order

34 papers	3,388 citations	331538 21 h-index	395590 33 g-index
35 all docs	35 docs citations	35 times ranked	4903 citing authors

#	Article	IF	Citations
1	Regulation of p53 activity through lysine methylation. Nature, 2004, 432, 353-360.	13.7	706
2	Structure and catalytic mechanism of the human histone methyltransferase SET7/9. Nature, 2003, 421, 652-656.	13.7	346
3	Structural basis of oncogenic histone H3K27M inhibition of human polycomb repressive complex 2. Nature Communications, 2016, 7, 11316.	5.8	326
4	Structural Basis for the Requirement of Additional Factors for MLL1 SET Domain Activity and Recognition of Epigenetic Marks. Molecular Cell, 2009, 33, 181-191.	4.5	201
5	Crystal Structure and Functional Analysis of the Histone Methyltransferase SET7/9. Cell, 2002, 111, 105-115.	13.5	198
6	Identification of (R)-N-((4-Methoxy-6-methyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-2-methyl-1-(1-(1-(2,2,2-trifluoroethyl)piperidin-4-yl)ethyl) (CPI-1205), a Potent and Selective Inhibitor of Histone Methyltransferase EZH2, Suitable for Phase I Clinical Trials for B-Cell Lymphomas. Journal of Medicinal Chemistry, 2016, 59, 9928-9941.	2.9	178
7	The Role of Lysyl Oxidase in SRC-Dependent Proliferation and Metastasis of Colorectal Cancer. Journal of the National Cancer Institute, 2011, 103, 407-424.	3.0	169
8	Specificity and mechanism of the histone methyltransferase Pr-Set7. Genes and Development, 2005, 19, 1444-1454.	2.7	159
9	SET domains and histone methylation. Current Opinion in Structural Biology, 2003, 13, 699-705.	2.6	144
10	Phosphorylation of AMPK by upstream kinases is required for activity in mammalian cells. Biochemical Journal, 2017, 474, 3059-3073.	1.7	117
11	E2F-7: a distinctive E2F family member with an unusual organization of DNA-binding domains. Oncogene, 2004, 23, 5138-5150.	2.6	93
12	Characterization of a Novel WDR5-binding Site That Recruits RbBP5 through a Conserved Motif to Enhance Methylation of Histone H3 Lysine 4 by Mixed Lineage Leukemia Protein-1*. Journal of Biological Chemistry, 2010, 285, 32967-32976.	1.6	92
13	G-tract RNA removes Polycomb repressive complex 2 from genes. Nature Structural and Molecular Biology, 2019, 26, 899-909.	3.6	86
14	MerF is a mercury transport protein: different structures but a common mechanism for mercuric ion transporters?. FEBS Letters, 2000, 472, 78-82.	1.3	82
15	Bacterial metal-resistance proteins and their use in biosensors for the detection of bioavailable heavy metals. Journal of Inorganic Biochemistry, 2000, 79, 225-229.	1.5	76
16	Evolving Catalytic Properties of the MLL Family SET Domain. Structure, 2015, 23, 1921-1933.	1.6	67
17	Expression of the type 2 metallothionein-like gene MT2 from Arabidopsis thaliana in Zn2+-metallothionein-deficient Synechococcus PCC 7942: putative role for MT2 in Zn2+ metabolism. Plant Molecular Biology, 1996, 30, 1169-1179.	2.0	60
18	Foot-and-Mouth Disease Virus 2C Is a Hexameric AAA+ Protein with a Coordinated ATP Hydrolysis Mechanism. Journal of Biological Chemistry, 2010, 285, 24347-24359.	1.6	57

#	Article	IF	Citations
19	Methylation and demethylation activities of a C. elegans MLL-like complex attenuate RAS signalling. Developmental Biology, 2010, 341, 142-153.	0.9	50
20	Mercury transport and resistance. Biochemical Society Transactions, 2002, 30, 715-718.	1.6	45
21	A novel route to product specificity in the Suv4-20 family of histone H4K20 methyltransferases. Nucleic Acids Research, 2014, 42, 661-671.	6.5	35
22	Microbial Mercury Reduction. , 2014, , 175-197.		23
23	Targeting the JMJD2A histone lysine demethylase. Nature Structural and Molecular Biology, 2007, 14, 682-684.	3.6	14
24	Engineering redox functions in a nucleic acid binding protein. Chemical Communications, 2003, , 356-357.	2.2	12
25	Mechanism and Control in Biological Amine Methylation. Helvetica Chimica Acta, 2003, 86, 4000-4006.	1.0	11
26	The structure of the RbBP5 Î²-propeller domain reveals a surface with potential nucleic acid binding sites. Nucleic Acids Research, 2018, 46, 3802-3812.	6.5	11
27	Accumulation of metallothionein transcripts in response to iron, copper and zinc: Metallothionein and metal-chelate reductase. Acta Physiologiae Plantarum, 1997, 19, 451-457.	1.0	7
28	6 Structure of SET domain protein lysine methyltransferases. The Enzymes, 2006, 24, 155-178.	0.7	5
29	Comment on â€œStructural basis of histone H3K27 trimethylation by an active polycomb repressive complex 2â€. Science, 2016, 354, 1543-1543.	6.0	5
30	Engineering heme binding sites in monomeric rop. Journal of Biological Inorganic Chemistry, 2009, 14, 497-505.	1.1	4
31	A key to unlocking chromatin revealed by complex structures. Nature, 2019, 573, 355-356.	13.7	3
32	Histone Recognition by WD40 Proteins. , 2015, , 83-100.		2
33	Production and Crystallization of Full-Length Human AMP-Activated Protein Kinase (Î±1Î²1Î³1). Methods in Molecular Biology, 2018, 1732, 1-14.	0.4	1
34	Determination of Histone Methyltransferase Structure by Crystallography. Methods in Molecular Biology, 2022, , 137-147.	0.4	1