

Jon R Wilson

List of Publications by Year in descending order

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34
papers

3,388
citations

331670

21
h-index

395702

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. <i>Nature</i> , 2004, 432, 353-360.	27.8	706
2	Structure and catalytic mechanism of the human histone methyltransferase SET7/9. <i>Nature</i> , 2003, 421, 652-656.	27.8	346
3	Structural basis of oncogenic histone H3K27M inhibition of human polycomb repressive complex 2. <i>Nature Communications</i> , 2016, 7, 11316.	12.8	326
4	Structural Basis for the Requirement of Additional Factors for MLL1 SET Domain Activity and Recognition of Epigenetic Marks. <i>Molecular Cell</i> , 2009, 33, 181-191.	9.7	201
5	Crystal Structure and Functional Analysis of the Histone Methyltransferase SET7/9. <i>Cell</i> , 2002, 111, 105-115.	28.9	198
6	Identification of ((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)pyrrolidine-3-carboxamide (CPI-1205), a Potent and Selective Inhibitor of Histone Methyltransferase EZH2, Suitable for Phase I Clinical Trials for B-Cell Lymphomas. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9928-9941.	6.4	178
7	The Role of Lysyl Oxidase in SRC-Dependent Proliferation and Metastasis of Colorectal Cancer. <i>Journal of the National Cancer Institute</i> , 2011, 103, 407-424.	6.3	169
8	Specificity and mechanism of the histone methyltransferase Pr-Set7. <i>Genes and Development</i> , 2005, 19, 1444-1454.	5.9	159
9	SET domains and histone methylation. <i>Current Opinion in Structural Biology</i> , 2003, 13, 699-705.	5.7	144
10	Phosphorylation of AMPK by upstream kinases is required for activity in mammalian cells. <i>Biochemical Journal</i> , 2017, 474, 3059-3073.	3.7	117
11	E2F-7: a distinctive E2F family member with an unusual organization of DNA-binding domains. <i>Oncogene</i> , 2004, 23, 5138-5150.	5.9	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*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32967-32976.	3.4	92
13	G-tract RNA removes Polycomb repressive complex 2 from genes. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 899-909.	8.2	86
14	MerF is a mercury transport protein: different structures but a common mechanism for mercuric ion transporters?. <i>FEBS Letters</i> , 2000, 472, 78-82.	2.8	82
15	Bacterial metal-resistance proteins and their use in biosensors for the detection of bioavailable heavy metals. <i>Journal of Inorganic Biochemistry</i> , 2000, 79, 225-229.	3.5	76
16	Evolving Catalytic Properties of the MLL Family SET Domain. <i>Structure</i> , 2015, 23, 1921-1933.	3.3	67
17	Expression of the type 2 metallothionein-like gene MT2 from <i>Arabidopsis thaliana</i> in Zn ²⁺ -metallothionein-deficient <i>Synechococcus</i> PCC 7942: putative role for MT2 in Zn ²⁺ metabolism. <i>Plant Molecular Biology</i> , 1996, 30, 1169-1179.	3.9	60
18	Foot-and-Mouth Disease Virus 2C Is a Hexameric AAA+ Protein with a Coordinated ATP Hydrolysis Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 24347-24359.	3.4	57

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19	Methylation and demethylation activities of a <i>C. elegans</i> MLL-like complex attenuate RAS signalling. <i>Developmental Biology</i> , 2010, 341, 142-153.	2.0	50
20	Mercury transport and resistance. <i>Biochemical Society Transactions</i> , 2002, 30, 715-718.	3.4	45
21	A novel route to product specificity in the Suv4-20 family of histone H4K20 methyltransferases. <i>Nucleic Acids Research</i> , 2014, 42, 661-671.	14.5	35
22	Microbial Mercury Reduction. , 2014, , 175-197.		23
23	Targeting the JMJD2A histone lysine demethylase. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 682-684.	8.2	14
24	Engineering redox functions in a nucleic acid binding protein. <i>Chemical Communications</i> , 2003, , 356-357.	4.1	12
25	Mechanism and Control in Biological Amine Methylation. <i>Helvetica Chimica Acta</i> , 2003, 86, 4000-4006.	1.6	11
26	The structure of the RbBP5 β -propeller domain reveals a surface with potential nucleic acid binding sites. <i>Nucleic Acids Research</i> , 2018, 46, 3802-3812.	14.5	11
27	Accumulation of metallothionein transcripts in response to iron, copper and zinc: Metallothionein and metal-chelate reductase. <i>Acta Physiologiae Plantarum</i> , 1997, 19, 451-457.	2.1	7
28	6 Structure of SET domain protein lysine methyltransferases. <i>The Enzymes</i> , 2006, 24, 155-178.	1.7	5
29	Comment on "Structural basis of histone H3K27 trimethylation by an active polycomb repressive complex 2". <i>Science</i> , 2016, 354, 1543-1543.	12.6	5
30	Engineering heme binding sites in monomeric rop. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 497-505.	2.6	4
31	A key to unlocking chromatin revealed by complex structures. <i>Nature</i> , 2019, 573, 355-356.	27.8	3
32	Histone Recognition by WD40 Proteins. , 2015, , 83-100.		2
33	Production and Crystallization of Full-Length Human AMP-Activated Protein Kinase (α 1). <i>Methods in Molecular Biology</i> , 2018, 1732, 1-14.	0.9	1
34	Determination of Histone Methyltransferase Structure by Crystallography. <i>Methods in Molecular Biology</i> , 2022, , 137-147.	0.9	1