

Sara Weirich

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

416
citations

840585

11
h-index

839398

18
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28
all docs

28
docs citations

28
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	H3K14ac is linked to methylation of H3K9 by the triple Tudor domain of SETDB1. Nature Communications, 2017, 8, 2057.	5.8	72
2	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. Nature Communications, 2021, 12, 891.	5.8	54
3	Activity and specificity of the human SUV39H2 protein lysine methyltransferase. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 55-63.	0.9	45
4	Somatic cancer mutations in the MLL3-SET domain alter the catalytic properties of the enzyme. Clinical Epigenetics, 2015, 7, 36.	1.8	36
5	Specificity of the SUV420H1 and SUV420H2 protein lysine methyltransferases and methylation of novel substrates. Journal of Molecular Biology, 2016, 428, 2344-2358.	2.0	29
6	Specificity Analysis of Protein Lysine Methyltransferases Using SPOT Peptide Arrays. Journal of Visualized Experiments, 2014, , e52203.	0.2	25
7	Somatic Cancer Mutations in the SUV420H1 Protein Lysine Methyltransferase Modulate Its Catalytic Activity. Journal of Molecular Biology, 2019, 431, 3068-3080.	2.0	18
8	Structure, Activity and Function of the Suv39h1 and Suv39h2 Protein Lysine Methyltransferases. Life, 2021, 11, 703.	1.1	17
9	Somatic cancer mutations in the <scp>MLL</scp>1 histone methyltransferase modulate its enzymatic activity and dependence on the <scp>WDR</scp>5/<scp>RBBP</scp>5/<scp>ASH</scp>2L complex. Molecular Oncology, 2017, 11, 373-387.	2.1	16
10	Analysis of the Substrate Specificity of the SMYD2 Protein Lysine Methyltransferase and Discovery of Novel Non-histone Substrates. ChemBioChem, 2020, 21, 256-264.	1.3	14
11	The Legionella pneumophila Methyltransferase RomA Methylates Also Non-histone Proteins during Infection. Journal of Molecular Biology, 2018, 430, 1912-1925.	2.0	13
12	Sequence specificity analysis of the SETD2 protein lysine methyltransferase and discovery of a SETD2 super-substrate. Communications Biology, 2020, 3, 511.	2.0	13
13	A functional LSD1 coregulator screen reveals a novel transcriptional regulatory cascade connecting R-loop homeostasis with epigenetic regulation. Nucleic Acids Research, 2021, 49, 4350-4370.	6.5	13
14	A loss-of-function variant in SUV39H2 identified in autism-spectrum disorder causes altered H3K9 trimethylation and dysregulation of protocadherin β -cluster genes in the developing brain. Molecular Psychiatry, 2021, 26, 7550-7559.	4.1	11
15	Development of an epigenetic tetracycline sensor system based on DNA methylation. PLoS ONE, 2020, 15, e0232701.	1.1	8
16	Specificity Analysis of Protein Methyltransferases and Discovery of Novel Substrates Using SPOT Peptide Arrays. Methods in Molecular Biology, 2022, , 313-325.	0.4	7
17	Investigation of the methylation of Numb by the SET8 protein lysine methyltransferase. Scientific Reports, 2015, 5, 13813.	1.6	6
18	Mechanistic Insights into the Allosteric Regulation of the Clr4 Protein Lysine Methyltransferase by Autoinhibition and Automethylation. International Journal of Molecular Sciences, 2020, 21, 8832.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Model-based robustness and bistability analysis for methylation-based, epigenetic memory systems. FEBS Journal, 2021, 288, 5692-5707.	2.2	4
20	Low-Level Endothelial TRAIL-Receptor Expression Obstructs the CNS-Delivery of Angiopep-2 Functionalised TRAIL-Receptor Agonists for the Treatment of Glioblastoma. Molecules, 2021, 26, 7582.	1.7	4
21	The H3.3 G34W oncohistone mutation increases K36 methylation by the protein lysine methyltransferase NSD1. Biochimie, 2022, 198, 86-91.	1.3	3
22	Model-Based Design of a Synthetic Oscillator Based on an Epigenetic Methylation Memory System. ACS Synthetic Biology, 2022, 11, 2445-2455.	1.9	2
23	Mutations in Histone Lysine Methyltransferases and Demethylases. , 2017, , .		1
24	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
25	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
26	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
27	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0