Sara Weirich

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12082535/publications.pdf

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27	416	840585 11	839398 18
papers	citations	h-index	g-index

28	28	28	548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The H3.3 G34W oncohistone mutation increases K36 methylation by the protein lysine methyltransferase NSD1. Biochimie, 2022, 198, 86-91.	1.3	3
2	Specificity Analysis of Protein Methyltransferases and Discovery of Novel Substrates Using SPOT Peptide Arrays. Methods in Molecular Biology, 2022, , 313-325.	0.4	7
3	Model-Based Design of a Synthetic Oscillator Based on an Epigenetic Methylation Memory System. ACS Synthetic Biology, 2022, 11, 2445-2455.	1.9	2
4	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. Nature Communications, 2021, 12, 891.	5.8	54
5	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
6	Modelâ€based robustness and bistability analysis for methylationâ€based, epigenetic memory systems. FEBS Journal, 2021, 288, 5692-5707.	2.2	4
7	A loss-of-function variant in SUV39H2 identified in autism-spectrum disorder causes altered H3K9 trimethylation and dysregulation of protocadherin Î²-cluster genes in the developing brain. Molecular Psychiatry, 2021, 26, 7550-7559.	4.1	11
8	Structure, Activity and Function of the Suv39h1 and Suv39h2 Protein Lysine Methyltransferases. Life, 2021, 11, 703.	1.1	17
9	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
10	Analysis of the Substrate Specificity of the SMYD2 Protein Lysine Methyltransferase and Discovery of Novel Nonâ€Histone Substrates. ChemBioChem, 2020, 21, 256-264.	1.3	14
11	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
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	Development of an epigenetic tetracycline sensor system based on DNA methylation. PLoS ONE, 2020, 15, e0232701.	1.1	8
14	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
15	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
16	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
17	Development of an epigenetic tetracycline sensor system based on DNA methylation. , 2020, 15, e0232701.		0
18	Somatic Cancer Mutations in the SUV420H1 Protein Lysine Methyltransferase Modulate Its Catalytic Activity. Journal of Molecular Biology, 2019, 431, 3068-3080.	2.0	18

#	Article	IF	Citations
19	The Legionella pneumophila Methyltransferase RomA Methylates Also Non-histone Proteins during Infection. Journal of Molecular Biology, 2018, 430, 1912-1925.	2.0	13
20	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
21	H3K14ac is linked to methylation of H3K9 by the triple Tudor domain of SETDB1. Nature Communications, 2017, 8, 2057.	5.8	72
22	Mutations in Histone Lysine Methyltransferases and Demethylases. , 2017, , .		1
23	Specificity of the SUV4â€“20H1 and SUV4â€“20H2 protein lysine methyltransferases and methylation of novel substrates. Journal of Molecular Biology, 2016, 428, 2344-2358.	2.0	29
24	Investigation of the methylation of Numb by the SET8 protein lysine methyltransferase. Scientific Reports, 2015, 5, 13813.	1.6	6
25	Somatic cancer mutations in the MLL3-SET domain alter the catalytic properties of the enzyme. Clinical Epigenetics, 2015, 7, 36.	1.8	36
26	Activity and specificity of the human SUV39H2 protein lysine methyltransferase. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 55-63.	0.9	45
27	Specificity Analysis of Protein Lysine Methyltransferases Using SPOT Peptide Arrays. Journal of Visualized Experiments, 2014, , e52203.	0.2	25