

Seung-Gi Jin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,633
citations

304743

22
h-index

477307

29
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30
docs citations

30
times ranked

6067
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of Tet3 DNA dioxygenase in epigenetic reprogramming by oocytes. <i>Nature</i> , 2011, 477, 606-610.	27.8	969
2	Reprogramming of the paternal genome upon fertilization involves genome-wide oxidation of 5-methylcytosine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3642-3647.	7.1	618
3	5-Hydroxymethylcytosine Is Strongly Depleted in Human Cancers but Its Levels Do Not Correlate with <i>IDH1</i> Mutations. <i>Cancer Research</i> , 2011, 71, 7360-7365.	0.9	400
4	Examination of the specificity of DNA methylation profiling techniques towards 5-methylcytosine and 5-hydroxymethylcytosine. <i>Nucleic Acids Research</i> , 2010, 38, e125-e125.	14.5	389
5	Dynamics of 5-Hydroxymethylcytosine and Chromatin Marks in Mammalian Neurogenesis. <i>Cell Reports</i> , 2013, 3, 291-300.	6.4	385
6	Genomic mapping of 5-hydroxymethylcytosine in the human brain. <i>Nucleic Acids Research</i> , 2011, 39, 5015-5024.	14.5	344
7	Tet-Mediated Formation of 5-Hydroxymethylcytosine in RNA. <i>Journal of the American Chemical Society</i> , 2014, 136, 11582-11585.	13.7	282
8	5-hydroxymethylcytosine and its potential roles in development and cancer. <i>Epigenetics and Chromatin</i> , 2013, 6, 10.	3.9	157
9	GADD45A Does Not Promote DNA Demethylation. <i>PLoS Genetics</i> , 2008, 4, e1000013.	3.5	140
10	Repair of Methylation Damage in DNA and RNA by Mammalian AlkB Homologues. <i>Journal of Biological Chemistry</i> , 2005, 280, 39448-39459.	3.4	131
11	An Intrinsic Epigenetic Barrier for Functional Axon Regeneration. <i>Neuron</i> , 2017, 94, 337-346.e6.	8.1	130
12	Tet3 Reads 5-Carboxylcytosine through Its CXXC Domain and Is a Potential Guardian against Neurodegeneration. <i>Cell Reports</i> , 2016, 14, 493-505.	6.4	109
13	RASSF3 and NORE1: identification and cloning of two human homologues of the putative tumor suppressor gene RASSF1. <i>Oncogene</i> , 2002, 21, 2713-2720.	5.9	104
14	The role of 5-hydroxymethylcytosine in human cancer. <i>Cell and Tissue Research</i> , 2014, 356, 631-641.	2.9	87
15	The DNA methylation landscape of human melanoma. <i>Genomics</i> , 2015, 106, 322-330.	2.9	50
16	MBD3L1 Is a Transcriptional Repressor That Interacts with Methyl-CpG-binding Protein 2 (MBD2) and Components of the NuRD Complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 52456-52464.	3.4	48
17	MIRA-seq for DNA methylation analysis of CpG islands. <i>Epigenomics</i> , 2015, 7, 695-706.	2.1	37
18	MBD3L1 and MBD3L2, Two New Proteins Homologous to the Methyl-CpG-Binding Proteins MBD2 and MBD3: Characterization of MBD3L1 as a Testis-Specific Transcriptional Repressor. <i>Genomics</i> , 2002, 80, 621-629.	2.9	36

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19	MBD3L2 Interacts with MBD3 and Components of the NuRD Complex and Can Oppose MBD2-MeCP1-mediated Methylation Silencing. <i>Journal of Biological Chemistry</i> , 2005, 280, 12700-12709.	3.4	35
20	Longitudinal epigenetic and gene expression profiles analyzed by three-component analysis reveal down-regulation of genes involved in protein translation in human aging. <i>Nucleic Acids Research</i> , 2015, 43, e100-e100.	14.5	35
21	Sex-Specific Dynamics of Global Chromatin Changes in Fetal Mouse Germ Cells. <i>PLoS ONE</i> , 2011, 6, e23848.	2.5	35
22	Reprogramming of DNA methylation at NEUROD2-bound sequences during cortical neuron differentiation. <i>Science Advances</i> , 2019, 5, eaax0080.	10.3	32
23	Formation of cyclobutane pyrimidine dimers at dipyrimidines containing 5-hydroxymethylcytosine. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1409-1415.	2.9	24
24	The major mechanism of melanoma mutations is based on deamination of cytosine in pyrimidine dimers as determined by circle damage sequencing. <i>Science Advances</i> , 2021, 7, .	10.3	23
25	Concordance of hydrogen peroxide-induced 8-oxo-guanine patterns with two cancer mutation signatures of upper GI tract tumors. <i>Science Advances</i> , 2022, 8, .	10.3	10
26	Haploid male germ cell- and oocyte-specific <i>Mbd3l1</i> and <i>Mbd3l2</i> genes are dispensable for early development, fertility, and zygotic DNA demethylation in the mouse. <i>Developmental Dynamics</i> , 2008, 237, 3435-3443.	1.8	8
27	Z-DNA is remodelled by ZBTB43 in prospermatogonia to safeguard the germline genome and epigenome. <i>Nature Cell Biology</i> , 2022, 24, 1141-1153.	10.3	8
28	Synthetic neomycin-kanamycin phosphotransferase, type II coding sequence for gene targeting in mammalian cells. <i>Genesis</i> , 2005, 42, 207-209.	1.6	4
29	Purification of TET Proteins. <i>Methods in Molecular Biology</i> , 2021, 2272, 225-237.	0.9	2
30	Defective 5-Methylcytosine Oxidation in Tumorigenesis. , 2018, , .		1