

Shilai Bao

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,201
citations

516710

16
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

2282
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Arabidopsis</i> Floral Initiator SKB1 Confers High Salt Tolerance by Regulating Transcription and Pre-mRNA Splicing through Altering Histone H4R3 and Small Nuclear Ribonucleoprotein LSM4 Methylation. <i>Plant Cell</i> , 2011, 23, 396-411.	6.6	166
2	A multi-omics investigation of the composition and function of extracellular vesicles along the temporal trajectory of COVID-19. <i>Nature Metabolism</i> , 2021, 3, 909-922.	11.9	132
3	SKB1-mediated symmetric dimethylation of histone H4R3 controls flowering time in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2007, 26, 1934-1941.	7.8	126
4	Nitric Oxide Regulates Protein Methylation during Stress Responses in Plants. <i>Molecular Cell</i> , 2017, 67, 702-710.e4.	9.7	104
5	Loss of the golgin GM130 causes Golgi disruption, Purkinje neuron loss, and ataxia in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 346-351.	7.1	96
6	RAB2 regulates the formation of autophagosome and autolysosome in mammalian cells. <i>Autophagy</i> , 2019, 15, 1774-1786.	9.1	74
7	SKB1/PRMT5-mediated histone H4R3 dimethylation of bHLH genes negatively regulates iron homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 77, 209-221.	5.7	64
8	Globozoospermia and lack of acrosome formation in GM130-deficient mice. <i>Cell Death and Disease</i> , 2018, 8, e2532-e2532.	6.3	57
9	Histone Arginine Methylation by PRMT7 Controls Germinal Center Formation via Regulating <i>Bcl6</i> Transcription. <i>Journal of Immunology</i> , 2015, 195, 1538-1547.	0.8	55
10	Prmt5 is required for germ cell survival during spermatogenesis in mice. <i>Scientific Reports</i> , 2015, 5, 11031.	3.3	39
11	Shading Promoted Theanine Biosynthesis in the Roots and Allocation in the Shoots of the Tea Plant (<i>Camellia sinensis</i> L.) Cultivar Shuchazao. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4795-4803.	5.2	34
12	CsAlaDC and CsTSI work coordinately to determine theanine biosynthesis in tea plants (<i>Camellia</i>). <i>Biotechnology Journal</i> , 2021, 19, 2395-2397.	8.3	29
13	Expression of miR-652-3p and Effect on Apoptosis and Drug Sensitivity in Pediatric Acute Lymphoblastic Leukemia. <i>BioMed Research International</i> , 2018, 2018, 1-10.	1.9	27
14	The tea plant CsLHT1 and CsLHT6 transporters take up amino acids, as a nitrogen source, from the soil of organic tea plantations. <i>Horticulture Research</i> , 2021, 8, 178.	6.3	23
15	Loss of PRMT7 reprograms glycine metabolism to selectively eradicate leukemia stem cells in CML. <i>Cell Metabolism</i> , 2022, 34, 818-835.e7.	16.2	22
16	Histone H4R3 Methylation Catalyzed by SKB1/PRMT5 Is Required for Maintaining Shoot Apical Meristem. <i>PLoS ONE</i> , 2013, 8, e83258.	2.5	18
17	Protein Arginine Methyltransferase 5 (Prmt5) Is Required for Germ Cell Survival During Mouse Embryonic Development. <i>Biology of Reproduction</i> , 2015, 92, 104.	2.7	15
18	Histone arginine methylation by Prmt5 is required for lung branching morphogenesis through repression of BMP signaling. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	15

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19	PRMT5-mediated H4R3sme2 Confers Cell Differentiation in Pediatric B-cell Precursor Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2019, 25, 2633-2643.	7.0	15
20	The Protein Arginine Methylase 5 (PRMT5/SKB1) Gene Is Required for the Maintenance of Root Stem Cells in Response to DNA Damage. <i>Journal of Genetics and Genomics</i> , 2016, 43, 187-197.	3.9	13
21	An advanced fragment analysis-based individualized subtype classification of pediatric acute lymphoblastic leukemia. <i>Scientific Reports</i> , 2015, 5, 12435.	3.3	12
22	Akt Phosphorylates Wnt Coactivator and Chromatin Effector Pygo2 at Serine 48 to Antagonize Its Ubiquitin/Proteasome-mediated Degradation. <i>Journal of Biological Chemistry</i> , 2015, 290, 21553-21567.	3.4	10
23	Phosphorylation of serine/arginine-rich splicing factor 1 at tyrosine 19 promotes cell proliferation in pediatric acute lymphoblastic leukemia. <i>Cancer Science</i> , 2018, 109, 3805-3815.	3.9	10
24	A distinct class of plant and animal viral proteins that disrupt mitosis by directly interrupting the mitotic entry switch Wee1-Cdc25-Cdk1. <i>Science Advances</i> , 2020, 6, eaba3418.	10.3	10
25	PRMT5 regulates ovarian follicle development by facilitating Wt1 translation. <i>ELife</i> , 2021, 10, .	6.0	10
26	PRMT7 targets of Foxm1 controls alveolar myofibroblast proliferation and differentiation during alveologenesis. <i>Cell Death and Disease</i> , 2021, 12, 841.	6.3	9
27	PRMT7 is involved in regulation of germ cell proliferation during embryonic stage. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 938-944.	2.1	8
28	GM130 regulates pulmonary surfactant protein secretion in alveolar type II cells. <i>Science China Life Sciences</i> , 2022, 65, 193-205.	4.9	7
29	Prmt5 determines the pattern of polyploidization and prevents liver from cirrhosis and carcinogenesis. <i>Journal of Genetics and Genomics</i> , 2022, , .	3.9	1
30	Expression and Effect of CTCF in Pediatric Acute Lymphoblastic Leukemia. <i>Blood</i> , 2012, 120, 4298-4298.	1.4	0