

Quan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,889
citations

257450

24
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	A mitochondrial specific stress response in mammalian cells. <i>EMBO Journal</i> , 2002, 21, 4411-4419.	7.8	825
2	PRMT5-mediated methylation of histone H4R3 recruits DNMT3A, coupling histone and DNA methylation in gene silencing. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 304-311.	8.2	451
3	Targeting of the Tumor Suppressor GRHL3 by a miR-21-Dependent Proto-Oncogenic Network Results in PTEN Loss and Tumorigenesis. <i>Cancer Cell</i> , 2011, 20, 635-648.	16.8	203
4	Epidermal Wound Repair Is Regulated by the Planar Cell Polarity Signaling Pathway. <i>Developmental Cell</i> , 2010, 19, 138-147.	7.0	180
5	WDR5 Supports an N-Myc Transcriptional Complex That Drives a Protumorigenic Gene Expression Signature in Neuroblastoma. <i>Cancer Research</i> , 2015, 75, 5143-5154.	0.9	88
6	Heterochromatin Protein HP1 ^β Promotes Colorectal Cancer Progression and Is Regulated by miR-30a. <i>Cancer Research</i> , 2015, 75, 4593-4604.	0.9	85
7	Identification of a PRMT5-dependent repressor complex linked to silencing of human fetal globin gene expression. <i>Blood</i> , 2010, 116, 1585-1592.	1.4	83
8	NatD promotes lung cancer progression by preventing histone H4 serine phosphorylation to activate Slug expression. <i>Nature Communications</i> , 2017, 8, 928.	12.8	69
9	H5N1 influenza virus-specific miRNA-like small RNA increases cytokine production and mouse mortality via targeting poly(rC)-binding protein 2. <i>Cell Research</i> , 2018, 28, 157-171.	12.0	63
10	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. <i>Genome Medicine</i> , 2021, 13, 58.	8.2	62
11	Injured liver-released miRNA-122 elicits acute pulmonary inflammation via activating alveolar macrophage TLR7 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6162-6171.	7.1	60
12	PRMT5-dependent transcriptional repression of c-Myc target genes promotes gastric cancer progression. <i>Theranostics</i> , 2020, 10, 4437-4452.	10.0	55
13	AURKB promotes gastric cancer progression via activation of CCND1 expression. <i>Aging</i> , 2020, 12, 1304-1321.	3.1	48
14	The Role of p22 NF-E4 in Human Globin Gene Switching. <i>Journal of Biological Chemistry</i> , 2004, 279, 26227-26232.	3.4	39
15	Synergistic Effect of SRY and Its Direct Target, WDR5, on Sox9 Expression. <i>PLoS ONE</i> , 2012, 7, e34327.	2.5	38
16	Salmonella produce microRNA-like RNA fragment Sal-1 in the infected cells to facilitate intracellular survival. <i>Scientific Reports</i> , 2017, 7, 2392.	3.3	37
17	A critical role for the transcription factor Scl in platelet production during stress thrombopoiesis. <i>Blood</i> , 2006, 108, 2248-2256.	1.4	36
18	Functional Interaction of CP2 with GATA-1 in the Regulation of Erythroid Promoters. <i>Molecular and Cellular Biology</i> , 2006, 26, 3942-3954.	2.3	33

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19	The E2F1-miR-520/372/373-SPOP Axis Modulates Progression of Renal Carcinoma. <i>Cancer Research</i> , 2018, 78, 6771-6784.	0.9	33
20	Human fetal globin gene expression is regulated by LYAR. <i>Nucleic Acids Research</i> , 2014, 42, 9740-9752.	14.5	32
21	Delivery of platelet TPM3 mRNA into breast cancer cells via microvesicles enhances metastasis. <i>FEBS Open Bio</i> , 2019, 9, 2159-2169.	2.3	32
22	A Genetic Variant Ameliorates β^2 -Thalassemia Severity by Epigenetic-Mediated Elevation of Human Fetal Hemoglobin Expression. <i>American Journal of Human Genetics</i> , 2017, 101, 130-138.	6.2	31
23	A panel of miRNAs derived from plasma extracellular vesicles as novel diagnostic biomarkers of lung adenocarcinoma. <i>FEBS Open Bio</i> , 2019, 9, 2149-2158.	2.3	30
24	3 α -Terminal 2 α -O-methylation of lung cancer miR-21-5p enhances its stability and association with Argonaute2. <i>Nucleic Acids Research</i> , 2020, 48, 7027-7040.	14.5	30
25	Site-specific Acetylation of the Fetal Globin Activator NF-E4 Prevents Its Ubiquitination and Regulates Its Interaction with the Histone Deacetylase, HDAC1. <i>Journal of Biological Chemistry</i> , 2004, 279, 41477-41486.	3.4	26
26	TCF3 is epigenetically silenced by EZH2 and DNMT3B and functions as a tumor suppressor in endometrial cancer. <i>Cell Death and Differentiation</i> , 2021, 28, 3316-3328.	11.2	25
27	Repression of human β -globin gene expression by a short isoform of the NF-E4 protein is associated with loss of NF-E2 and RNA polymerase II recruitment to the promoter. <i>Blood</i> , 2006, 107, 2138-2145.	1.4	24
28	LYAR promotes colorectal cancer cell mobility by activating galectin-1 expression. <i>Oncotarget</i> , 2015, 6, 32890-32901.	1.8	24
29	CARM1-mediated methylation of protein arginine methyltransferase 5 represses human β -globin gene expression in erythroleukemia cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 17454-17463.	3.4	20
30	PRMT5 regulates cell pyroptosis by silencing CASP1 in multiple myeloma. <i>Cell Death and Disease</i> , 2021, 12, 851.	6.3	16
31	Protective role of nano-selenium-enriched <i>Bifidobacterium longum</i> in delaying the onset of streptozotocin-induced diabetes. <i>Royal Society Open Science</i> , 2018, 5, 181156.	2.4	15
32	The role of WDR5 in silencing human fetal globin gene expression. <i>Haematologica</i> , 2012, 97, 1632-1640.	3.5	12
33	UBE2C mRNA expression controlled by miR-300 and HuR determines its oncogenic role in gastric cancer. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 597-603.	2.1	12
34	Post-ingestion conversion of dietary indoles into anticancer agents. <i>National Science Review</i> , 2022, 9, nwab144.	9.5	12
35	Induction of human fetal hemoglobin expression by adenosine-2 α TM ,3 α TM -dialdehyde. <i>Journal of Translational Medicine</i> , 2013, 11, 14.	4.4	10
36	Multiplexed Single-Cell Plasmonic Immunoassay of Intracellular Signaling Proteins Enables Non-Destructive Monitoring of Cell Fate. <i>Analytical Chemistry</i> , 2021, 93, 14204-14213.	6.5	8

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37	Transcriptional silencing of fetal hemoglobin expression by NonO. <i>Nucleic Acids Research</i> , 2021, 49, 9711-9723.	14.5	7
38	Suv4 $\hat{\epsilon}$ 20h1 promotes G1 to S phase transition by downregulating p21WAF1/CIP1 expression in chronic myeloid leukemia K562 cells. <i>Oncology Letters</i> , 2018, 15, 6123-6130.	1.8	6
39	Heterochromatin Protein 1 $\hat{\beta}$ Is a Novel Epigenetic Repressor of Human Embryonic $\hat{\epsilon}$ -Globin Gene Expression. <i>Journal of Biological Chemistry</i> , 2017, 292, 4811-4817.	3.4	5
40	The methyltransferase PRMT1 regulates $\hat{\beta}$ -globin translation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100417.	3.4	5
41	DDX21 Interacts with WDR5 to Promote Colorectal Cancer Cell Proliferation by Activating CDK1 Expression. <i>Journal of Cancer</i> , 2022, 13, 1530-1539.	2.5	5
42	$\hat{\epsilon}$ -globin expression is regulated by SUV4-20h1. <i>Haematologica</i> , 2016, 101, e168-e172.	3.5	3
43	Discovering Podophyllotoxin Derivatives as Potential Anti $\hat{\epsilon}$ -tubulin Agents: Design, Synthesis and Biological Evaluation. <i>ChemistrySelect</i> , 2020, 5, 10526-10536.	1.5	3
44	Initial function of microRNAs as a defence mechanism against invading organisms. <i>ExRNA</i> , 2019, 1, .	1.0	1
45	Selective Inhibitors of Arginine Methyl Transferase 5 (PRMT5) As a Novel Treatment for $\hat{\beta}$ -Thalassemia and Sickle Cell Disease.. <i>Blood</i> , 2012, 120, 2129-2129.	1.4	1
46	PRMT5 Regulates Cell Pyroptosis By Silencing CASP1 in Multiple Myeloma. <i>Blood</i> , 2021, 138, 4710-4710.	1.4	1