

Guanqun Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

10,212
citations

361413

20
h-index

713466

21
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all docs

21
docs citations

21
times ranked

8661
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-Methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. <i>Nature Chemical Biology</i> , 2011, 7, 885-887.	8.0	2,936
2	ALKBH5 Is a Mammalian RNA Demethylase that Impacts RNA Metabolism and Mouse Fertility. <i>Molecular Cell</i> , 2013, 49, 18-29.	9.7	2,549
3	N6-methyladenosine-dependent RNA structural switches regulate RNA-protein interactions. <i>Nature</i> , 2015, 518, 560-564.	27.8	1,482
4	The dynamic N1-methyladenosine methylome in eukaryotic messenger RNA. <i>Nature</i> , 2016, 530, 441-446.	27.8	765
5	Efficient and quantitative high-throughput tRNA sequencing. <i>Nature Methods</i> , 2015, 12, 835-837.	19.0	426
6	Probing N ⁶ -methyladenosine RNA modification status at single nucleotide resolution in mRNA and long noncoding RNA. <i>Rna</i> , 2013, 19, 1848-1856.	3.5	421
7	ALKBH1-Mediated tRNA Demethylation Regulates Translation. <i>Cell</i> , 2016, 167, 816-828.e16.	28.9	366
8	Unique features of the m6A methylome in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2014, 5, 5630.	12.8	342
9	tRNA base methylation identification and quantification via high-throughput sequencing. <i>Rna</i> , 2016, 22, 1771-1784.	3.5	148
10	Iron-catalysed oxidation intermediates captured in a DNA repair dioxygenase. <i>Nature</i> , 2010, 468, 330-333.	27.8	120
11	Synthesis of a FTO Inhibitor with Anticonvulsant Activity. <i>ACS Chemical Neuroscience</i> , 2014, 5, 658-665.	3.5	94
12	Sprouts of RNA epigenetics. <i>RNA Biology</i> , 2013, 10, 915-918.	3.1	85
13	Dynamics of spontaneous flipping of a mismatched base in DNA duplex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8043-8048.	7.1	79
14	Nucleic Acid Oxidation in DNA Damage Repair and Epigenetics. <i>Chemical Reviews</i> , 2014, 114, 4602-4620.	47.7	79
15	Kinetic gating mechanism of DNA damage recognition by Rad4/XPC. <i>Nature Communications</i> , 2015, 6, 5849.	12.8	78
16	Determination of tRNA aminoacylation levels by high-throughput sequencing. <i>Nucleic Acids Research</i> , 2017, 45, e133-e133.	14.5	72
17	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. <i>FEBS Letters</i> , 2014, 588, 892-898.	2.8	50
18	Selective Enzymatic Demethylation of N ² ,N ² -Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5017-5020.	13.8	44

#	ARTICLE	IF	CITATIONS
19	Structure determination of DNA methylation lesions N ¹ -meA and N ³ -meC in duplex DNA using a cross-linked protein-DNA system. Nucleic Acids Research, 2010, 38, 4415-4425.	14.5	43
20	Selective Enzymatic Demethylation of N ² ,N ² -Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. Angewandte Chemie, 2017, 129, 5099-5102.	2.0	3