

Guanqun Zheng

List of Publications by Citations

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Version: 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

6,811
citations

20
h-index

21
g-index

21
ext. papers

8,701
ext. citations

22.1
avg, IF

5.37
L-index

#	Paper	IF	Citations
20	N6-methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. <i>Nature Chemical Biology</i> , 2011 , 7, 885-7	11.7	1937
19	ALKBH5 is a mammalian RNA demethylase that impacts RNA metabolism and mouse fertility. <i>Molecular Cell</i> , 2013 , 49, 18-29	17.6	1627
18	N(6)-methyladenosine-dependent RNA structural switches regulate RNA-protein interactions. <i>Nature</i> , 2015 , 518, 560-4	50.4	988
17	The dynamic N(1)-methyladenosine methylome in eukaryotic messenger RNA. <i>Nature</i> , 2016 , 530, 441-6	50.4	523
16	Probing N6-methyladenosine RNA modification status at single nucleotide resolution in mRNA and long noncoding RNA. <i>Rna</i> , 2013 , 19, 1848-56	5.8	320
15	Efficient and quantitative high-throughput tRNA sequencing. <i>Nature Methods</i> , 2015 , 12, 835-837	21.6	291
14	Unique features of the m6A methylome in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2014 , 5, 5630	17.4	239
13	ALKBH1-Mediated tRNA Demethylation Regulates Translation. <i>Cell</i> , 2016 , 167, 816-828.e16	56.2	197
12	Iron-catalysed oxidation intermediates captured in a DNA repair dioxygenase. <i>Nature</i> , 2010 , 468, 330-3	50.4	109
11	tRNA base methylation identification and quantification via high-throughput sequencing. <i>Rna</i> , 2016 , 22, 1771-1784	5.8	100
10	Sprouts of RNA epigenetics: the discovery of mammalian RNA demethylases. <i>RNA Biology</i> , 2013 , 10, 915-988	4.8	69
9	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, 8043-8	11.5	64
8	Nucleic acid oxidation in DNA damage repair and epigenetics. <i>Chemical Reviews</i> , 2014 , 114, 4602-20	68.1	63
7	Kinetic gating mechanism of DNA damage recognition by Rad4/XPC. <i>Nature Communications</i> , 2015 , 6, 5849	17.4	59
6	Synthesis of a FTO inhibitor with anticonvulsant activity. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 658-65	5.7	59
5	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. <i>FEBS Letters</i> , 2014 , 588, 892-8	3.8	41
4	Structure determination of DNA methylation lesions N1-meA and N3-meC in duplex DNA using a cross-linked protein-DNA system. <i>Nucleic Acids Research</i> , 2010 , 38, 4415-25	20.1	36

3	Determination of tRNA aminoacylation levels by high-throughput sequencing. <i>Nucleic Acids Research</i> , 2017 , 45, e133	20.1	33
2	Selective Enzymatic Demethylation of N,N-Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5017-5020	16.4	30
1	Selective Enzymatic Demethylation of N ₂ ,N ₂ -Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. <i>Angewandte Chemie</i> , 2017 , 129, 5099-5102	3.6	3