Guanqun Zheng

List of Publications by Year in Descending Order

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	Determination of tRNA aminoacylation levels by high-throughput sequencing. *Nucleic Acids Research*, **2017**, 45, e133	20.1	33
19	Selective Enzymatic Demethylation of N2,N2-Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. *Angewandte Chemie*, **2017**, 129, 5099-5102	3.6	3
18	Selective Enzymatic Demethylation of N ,N -Dimethylguanosine in RNA and Its Application in High-Throughput tRNA Sequencing. *Angewandte Chemie - International Edition*, **2017**, 56, 5017-5020	16.4	30
17	ALKBH1-Mediated tRNA Demethylation Regulates Translation. *Cell*, **2016**, 167, 816-828.e16	56.2	197
16	The dynamic N(1)-methyladenosine methylome in eukaryotic messenger RNA. *Nature*, **2016**, 530, 441-6	50.4	523
15	tRNA base methylation identification and quantification via high-throughput sequencing. *Rna*, **2016** , 22, 1771-1784	5.8	100
14	N(6)-methyladenosine-dependent RNA structural switches regulate RNA-protein interactions. *Nature*, **2015**, 518, 560-4	50.4	988
13	Kinetic gating mechanism of DNA damage recognition by Rad4/XPC. *Nature Communications*, **2015**, 6, 5849	17.4	59
12	Efficient and quantitative high-throughput tRNA sequencing. *Nature Methods*, **2015**, 12, 835-837	21.6	291
11	Synthesis of a FTO inhibitor with anticonvulsant activity. *ACS Chemical Neuroscience*, **2014**, 5, 658-65	5.7	59
10	Dynamics of spontaneous flipping of a mismatched base in DNA duplex. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8043-8	11.5	64
9	Nucleic acid oxidation in DNA damage repair and epigenetics. *Chemical Reviews*, **2014**, 114, 4602-20	68.1	63
8	Unique features of the m6A methylome in Arabidopsis thaliana. *Nature Communications*, **2014**, 5, 5630	17.4	239
7	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. *FEBS Letters*, **2014**, 588, 892-8	3.8	41
6	Probing N6-methyladenosine RNA modification status at single nucleotide resolution in mRNA and long noncoding RNA. *Rna*, **2013**, 19, 1848-56	5.8	320
5	ALKBH5 is a mammalian RNA demethylase that impacts RNA metabolism and mouse fertility. *Molecular Cell*, **2013**, 49, 18-29	17.6	1627
4	Sprouts of RNA epigenetics: the discovery of mammalian RNA demethylases. *RNA Biology*, **2013**, 10, 915-8	4.8	69

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3	N6-methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. *Nature Chemical Biology*, **2011**, 7, 885-7	11.7	1937
2	Iron-catalysed oxidation intermediates captured in a DNA repair dioxygenase. *Nature*, **2010**, 468, 330-3	50.4	109
1	Structure determination of DNA methylation lesions N1-meA and N3-meC in duplex DNA using a cross-linked protein-DNA system. *Nucleic Acids Research*, **2010**, 38, 4415-25	20.1	36