Guifang Jia

List of Publications by Year
in descending order

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35 papers	15,352 citations	212478 28 h-index	388640 36 g-index
38 all docs	38 docs citations	38 times ranked	10735 citing authors

#	Article	IF	Citations
1	FIONA1 is an RNA N6-methyladenosine methyltransferase affecting Arabidopsis photomorphogenesis and flowering. Genome Biology, 2022, 23, 40.	3.8	43
2	RNA m6A Modification Functions in Larval Development and Caste Differentiation in Honeybee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	35
3	R-loop resolution promotes co-transcriptional chromatin silencing. Nature Communications, 2021, 12, 1790.	5.8	58
4	Arabidopsis N6-methyladenosine reader CPSF30-L recognizes FUE signals to control polyadenylation site choice in liquid-like nuclear bodies. Molecular Plant, 2021, 14, 571-587.	3.9	86
5	ALKBH10B, an mRNA m6A Demethylase, Modulates ABA Response During Seed Germination in Arabidopsis. Frontiers in Plant Science, 2021, 12, 712713.	1.7	20
6	RNA methylation in mammalian development and cancer. Cell Biology and Toxicology, 2021, 37, 811-831.	2.4	47
7	RNA demethylation increases the yield and biomass of rice and potato plants in field trials. Nature Biotechnology, 2021, 39, 1581-1588.	9.4	102
8	The detection and functions of RNA modification m6A based on m6A writers and erasers. Journal of Biological Chemistry, 2021, 297, 100973.	1.6	43
9	Systematic calibration of epitranscriptomic maps using a synthetic modification-free RNA library. Nature Methods, 2021, 18, 1213-1222.	9.0	44
10	SFPQ Is an FTO-Binding Protein that Facilitates the Demethylation Substrate Preference. Cell Chemical Biology, 2020, 27, 283-291.e6.	2.5	26
11	Antibody-free enzyme-assisted chemical approach for detection of N6-methyladenosine. Nature Chemical Biology, 2020, 16, 896-903.	3.9	125
12	Natural Variation in RNA m⁶A Methylation and Its Relationship with Translational Status. Plant Physiology, 2020, 182, 332-344.	2.3	73
13	Detection methods of epitranscriptomic mark N6-methyladenosine. Essays in Biochemistry, 2020, 64, 967-979.	2.1	17
14	Structural insights into FTOâ€™s catalytic mechanism for the demethylation of multiple RNA substrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2919-2924.	3.3	163
15	N6-methyldeoxyadenine is a transgenerational epigenetic signal for mitochondrial stress adaptation. Nature Cell Biology, 2019, 21, 319-327.	4.6	130
16	Dynamic and reversible RNA N⁶â€methyladenosine methylation. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1507.	3.2	31
17	Designing fluorescent biosensors using circular permutations of riboswitches. Methods, 2018, 143, 102-109.	1.9	21
18	The m⁶A Reader ECT2 Controls Trichome Morphology by Affecting mRNA Stability in Arabidopsis. Plant Cell, 2018, 30, 968-985.	3.1	232

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19	An Elongationâ€•and Ligationâ€Based qPCR Amplification Method for the Radiolabelingâ€Free Detection of Locusâ€Specific N 6 â€Methyladenosine Modification. Angewandte Chemie, 2018, 130, 16227-16232.	1.6	6
20	An Elongationâ€•and Ligationâ€Based qPCR Amplification Method for the Radiolabelingâ€Free Detection of Locusâ€Specific N⁶â€Methyladenosine Modification. Angewandte Chemie - International Edition, 2018, 57, 15995-16000.	7.2	175
21	Differential m6A, m6Am, and m1A Demethylation Mediated by FTO in the Cell Nucleus and Cytoplasm. Molecular Cell, 2018, 71, 973-985.e5.	4.5	506
22	Reversible RNA Modification N 1 -methyladenosine (m 1 A) in mRNA and tRNA. Genomics, Proteomics and Bioinformatics, 2018, 16, 155-161.	3.0	122
23	Mettl3-/Mettl14-mediated mRNA N6-methyladenosine modulates murine spermatogenesis. Cell Research, 2017, 27, 1216-1230.	5.7	298
24	ALKBH10B Is an RNA N⁶-Methyladenosine Demethylase Affecting Arabidopsis Floral Transition. Plant Cell, 2017, 29, 2995-3011.	3.1	235
25	5-Hydroxymethylcytosine signatures in circulating cell-free DNA as diagnostic biomarkers for human cancers. Cell Research, 2017, 27, 1243-1257.	5.7	262
26	New Edges of RNA Adenosine Methylation Modifications. Genomics, Proteomics and Bioinformatics, 2016, 14, 172-175.	3.0	2
27	Unique features of the m6A methylome in Arabidopsis thaliana. Nature Communications, 2014, 5, 5630.	5.8	342
28	A METTL3â€“METTL14 complex mediates mammalian nuclear RNA N6-adenosine methylation. Nature Chemical Biology, 2014, 10, 93-95.	3.9	2,342
29	N6-methyladenosine-dependent regulation of messenger RNA stability. Nature, 2014, 505, 117-120.	13.7	3,138
30	Methylation Modifications in Eukaryotic Messenger RNA. Journal of Genetics and Genomics, 2014, 41, 21-33.	1.7	118
31	ALKBH5 Is a Mammalian RNA Demethylase that Impacts RNA Metabolism and Mouse Fertility. Molecular Cell, 2013, 49, 18-29.	4.5	2,549
32	Reversible RNA adenosine methylation in biological regulation. Trends in Genetics, 2013, 29, 108-115.	2.9	314
33	FTO-mediated formation of N6-hydroxymethyladenosine and N6-formyladenosine in mammalian RNA. Nature Communications, 2013, 4, 1798.	5.8	349
34	N6-Methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. Nature Chemical Biology, 2011, 7, 885-887.	3.9	2,936
35	Oxidative demethylation of 3â€methylthymine and 3â€methyluracil in singleâ€stranded DNA and RNA by mouse and human FTO. FEBS Letters, 2008, 582, 3313-3319.	1.3	359