

# Guan-Zheng Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

7,729  
citations

136950

32  
h-index

168389

53  
g-index

54  
all docs

54  
docs citations

54  
times ranked

7641  
citing authors

#	ARTICLE	IF	CITATIONS
1	YTHDC1 mediates nuclear export of N6-methyladenosine methylated mRNAs. <i>ELife</i> , 2017, 6, .	6.0	815
2	Ythdc2 is an N6-methyladenosine binding protein that regulates mammalian spermatogenesis. <i>Cell Research</i> , 2017, 27, 1115-1127.	12.0	696
3	VIRMA mediates preferential m6A mRNA methylation in 3'UTR and near stop codon and associates with alternative polyadenylation. <i>Cell Discovery</i> , 2018, 4, 10.	6.7	643
4	N6-Methyldeoxyadenosine Marks Active Transcription Start Sites in <i>Chlamydomonas</i> . <i>Cell</i> , 2015, 161, 879-892.	28.9	477
5	ALKBH1-Mediated tRNA Demethylation Regulates Translation. <i>Cell</i> , 2016, 167, 816-828.e16.	28.9	366
6	Unique features of the m6A methylome in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2014, 5, 5630.	12.8	342
7	High-Resolution N <sup>6</sup> -Methyladenosine (m <sup>6</sup> A) Map Using Photo-Crosslinking-Assisted m <sup>6</sup> A Sequencing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1587-1590.	13.8	319
8	Transcriptome-wide Mapping of Internal N7-Methylguanosine Methylome in Mammalian mRNA. <i>Molecular Cell</i> , 2019, 74, 1304-1316.e8.	9.7	276
9	Single-base mapping of m <sup>6</sup> A by an antibody-independent method. <i>Science Advances</i> , 2019, 5, eaax0250.	10.3	270
10	Activation of the Imprinted Dlk1-Dio3 Region Correlates with Pluripotency Levels of Mouse Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 19483-19490.	3.4	253
11	DNA N6-methyladenine: a new epigenetic mark in eukaryotes?. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 705-710.	37.0	228
12	Abundant DNA 6mA methylation during early embryogenesis of zebrafish and pig. <i>Nature Communications</i> , 2016, 7, 13052.	12.8	225
13	Transfer RNA demethylase ALKBH3 promotes cancer progression via induction of tRNA-derived small RNAs. <i>Nucleic Acids Research</i> , 2019, 47, 2533-2545.	14.5	213
14	The RNA m6A reader YTHDC1 silences retrotransposons and guards ES cell identity. <i>Nature</i> , 2021, 591, 322-326.	27.8	187
15	Widespread occurrence of N <sup>6</sup> -methyladenosine in bacterial mRNA. <i>Nucleic Acids Research</i> , 2015, 43, 6557-6567.	14.5	165
16	Androgenetic haploid embryonic stem cells produce live transgenic mice. <i>Nature</i> , 2012, 490, 407-411.	27.8	149
17	Dynamics of Brassinosteroid Response Modulated by Negative Regulator LIC in Rice. <i>PLoS Genetics</i> , 2012, 8, e1002686.	3.5	130
18	Upregulation of a Disintegrin and Metalloproteinase With Thrombospondin Motifs-7 by miR-29 Repression Mediates Vascular Smooth Muscle Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2580-2588.	2.4	110

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19	BC10, a DUF266â€containing and Golgiâ€located type II membrane protein, is required for cellâ€wall biosynthesis in rice (<i>Oryza sativa</i> L.). <i>Plant Journal</i> , 2009, 57, 446-462.	5.7	109
20	Characterization of eukaryotic DNA N6-methyladenine by a highly sensitive restriction enzyme-assisted sequencing. <i>Nature Communications</i> , 2016, 7, 11301.	12.8	93
21	Mir-24 Regulates Junctophilin-2 Expression in Cardiomyocytes. <i>Circulation Research</i> , 2012, 111, 837-841.	4.5	87
22	Genetic Modification and Screening in Rat Using Haploid Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 404-414.	11.1	85
23	In Vivo Suppression of MicroRNA-24 Prevents the Transition Toward Decompensated Hypertrophy in Aortic-Constricted Mice. <i>Circulation Research</i> , 2013, 112, 601-605.	4.5	84
24	Mapping and characterizing N6-methyladenine in eukaryotic genomes using single-molecule real-time sequencing. <i>Genome Research</i> , 2018, 28, 1067-1078.	5.5	80
25	DNA N6-methyladenine in metazoans: functional epigenetic mark or bystander?. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 503-506.	8.2	73
26	Keth-seq for transcriptome-wide RNA structure mapping. <i>Nature Chemical Biology</i> , 2020, 16, 489-492.	8.0	72
27	METTL14 is essential for Î²-cell survival and insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2138-2148.	3.8	54
28	N6-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. <i>Genome Biology</i> , 2018, 19, 200.	8.8	45
29	miR-9 and miR-140-5p Target<i>FoxP2</i>and Are Regulated as a Function of the Social Context of Singing Behavior in Zebra Finches. <i>Journal of Neuroscience</i> , 2013, 33, 16510-16521.	3.6	44
30	Systematic calibration of epitranscriptomic maps using a synthetic modification-free RNA library. <i>Nature Methods</i> , 2021, 18, 1213-1222.	19.0	44
31	Transcriptome-wide reprogramming of N6-methyladenosine modification by the mouse microbiome. <i>Cell Research</i> , 2019, 29, 167-170.	12.0	38
32	Parthenogenetic haploid embryonic stem cells produce fertile mice. <i>Cell Research</i> , 2013, 23, 1330-1333.	12.0	35
33	RNA m6A Modification Functions in Larval Development and Caste Differentiation in Honeybee ( <i>Apis</i> ) Tj ETQq1 1 0.784314 rgBT /Ove	6.4	95
34	Peroxisome Elevation Induces Stem Cell Differentiation and Intestinal Epithelial Repair. <i>Developmental Cell</i> , 2020, 53, 169-184.e11.	7.0	33
35	Structure and mechanism of the essential two-component signal-transduction system WalkR in <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2016, 7, 11000.	12.8	32
36	High-Resolution Mapping of N6-Methyladenosine in Transcriptome and Genome Using a Photo-Crosslinking-Assisted Strategy. <i>Methods in Enzymology</i> , 2015, 560, 161-185.	1.0	31

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37	Ubiquitously expressed genes participate in cell-specific functions via alternative promoter usage. <i>EMBO Reports</i> , 2016, 17, 1304-1313.	4.5	26
38	Acute Deletion of METTL14 in $\beta$ -Cells of Adult Mice Results in Glucose Intolerance. <i>Endocrinology</i> , 2019, 160, 2388-2394.	2.8	24
39	Targeted genetic screening in bacteria with a Cas12k-guided transposase. <i>Cell Reports</i> , 2021, 36, 109635.	6.4	24
40	Crystal structure of the yeast heterodimeric ADAT2/3 deaminase. <i>BMC Biology</i> , 2020, 18, 189.	3.8	20
41	Targeted RNA <i>N<sup>6</sup></i> -Methyladenosine Demethylation Controls Cell Fate Transition in Human Pluripotent Stem Cells. <i>Advanced Science</i> , 2021, 8, e2003902.	11.2	20
42	Durable pluripotency and haploidy in epiblast stem cells derived from haploid embryonic stem cells in vitro. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 326-337.	3.3	19
43	Mapping and editing of nucleic acid modifications. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 661-667.	4.1	15
44	The Impact of Microbiome and Microbiota-Derived Sodium Butyrate on <i>Drosophila</i> Transcriptome and Metabolome Revealed by Multi-Omics Analysis. <i>Metabolites</i> , 2021, 11, 298.	2.9	13
45	Three-dimensional culture may promote cell reprogramming. <i>Organogenesis</i> , 2013, 9, 118-120.	1.2	11
46	MicroRNA-323-3p Regulates the Activity of Polycomb Repressive Complex 2 (PRC2) via Targeting the mRNA of Embryonic Ectoderm Development (Eed) Gene in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 23659-23665.	3.4	8
47	Long noncoding RNA <i>lnc-NAP</i> sponges mmu-miR-139-5p to modulate <i>Nanog</i> functions in mouse ESCs and embryos. <i>RNA Biology</i> , 2021, 18, 875-887.	3.1	6
48	Identification of a small molecule 1,4-bis-[4-(3-phenoxy-propoxy)-but-2-ynyl]-piperazine as a novel inhibitor of the transcription factor p53. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 805-810.	6.1	4
49	Mapping single-nucleotide m6A by m6A-REF-seq. <i>Methods</i> , 2022, 203, 392-398.	3.8	3
50	Establishment of transposase-assisted low-input m6A sequencing technique. <i>Journal of Genetics and Genomics</i> , 2021, 48, 1036-1039.	3.9	1