

Guan-Zheng Luo

List of Publications by Year in Descending Order

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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.

53
papers

4,657
citations

29
h-index

54
g-index

54
ext. papers

6,355
ext. citations

15.4
avg. IF

5.37
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 53 | The RNA mA reader YTHDC1 silences retrotransposons and guards ES cell identity. <i>Nature</i> , 2021 , 591, 322-326 | 50.4 | 45 |
| 52 | Targeted RNA N -Methyladenosine Demethylation Controls Cell Fate Transition in Human Pluripotent Stem Cells. <i>Advanced Science</i> , 2021 , 8, e2003902 | 13.6 | 7 |
| 51 | The Impact of Microbiome and Microbiota-Derived Sodium Butyrate on Transcriptome and Metabolome Revealed by Multi-Omics Analysis. <i>Metabolites</i> , 2021 , 11, | 5.6 | 3 |
| 50 | Mapping single-nucleotide mA by mA-REF-seq. <i>Methods</i> , 2021 , | 4.6 | 1 |
| 49 | Long noncoding RNA sponges mmu-miR-139-5p to modulate functions in mouse ESCs and embryos. <i>RNA Biology</i> , 2021 , 18, 875-887 | 4.8 | 4 |
| 48 | RNA mA Modification Functions in Larval Development and Caste Differentiation in Honeybee (<i>Apis mellifera</i>). <i>Cell Reports</i> , 2021 , 34, 108580 | 10.6 | 5 |
| 47 | Targeted genetic screening in bacteria with a Cas12k-guided transposase. <i>Cell Reports</i> , 2021 , 36, 109635 | 10.6 | 1 |
| 46 | Establishment of transposase-assisted low-input mA sequencing technique. <i>Journal of Genetics and Genomics</i> , 2021 , 48, 1036-1039 | 4 | 1 |
| 45 | Systematic calibration of epitranscriptomic maps using a synthetic modification-free RNA library. <i>Nature Methods</i> , 2021 , 18, 1213-1222 | 21.6 | 4 |
| 44 | Mapping and editing of nucleic acid modifications. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 661-667 | 6.8 | 7 |
| 43 | Peroxisome Elevation Induces Stem Cell Differentiation and Intestinal Epithelial Repair. <i>Developmental Cell</i> , 2020 , 53, 169-184.e11 | 10.2 | 11 |
| 42 | Keth-seq for transcriptome-wide RNA structure mapping. <i>Nature Chemical Biology</i> , 2020 , 16, 489-492 | 11.7 | 31 |
| 41 | Crystal structure of the yeast heterodimeric ADAT2/3 deaminase. <i>BMC Biology</i> , 2020 , 18, 189 | 7.3 | 4 |
| 40 | Acute Deletion of METTL14 in ECells of Adult Mice Results in Glucose Intolerance. <i>Endocrinology</i> , 2019 , 160, 2388-2394 | 4.8 | 10 |
| 39 | RNA mA methylation regulates the epithelial mesenchymal transition of cancer cells and translation of Snail. <i>Nature Communications</i> , 2019 , 10, 2065 | 17.4 | 234 |
| 38 | METTL14 is essential for Ecell survival and insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2138-2148 | 6.9 | 19 |
| 37 | Transcriptome-wide Mapping of Internal N-Methylguanosine Methylome in Mammalian mRNA. <i>Molecular Cell</i> , 2019 , 74, 1304-1316.e8 | 17.6 | 133 |

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| 36 | Single-base mapping of mA by an antibody-independent method. <i>Science Advances</i> , 2019 , 5, eaax0250 | 14.3 | 128 |
| 35 | Transcriptome-wide reprogramming of N-methyladenosine modification by the mouse microbiome. <i>Cell Research</i> , 2019 , 29, 167-170 | 24.7 | 19 |
| 34 | Transfer RNA demethylase ALKBH3 promotes cancer progression via induction of tRNA-derived small RNAs. <i>Nucleic Acids Research</i> , 2019 , 47, 2533-2545 | 20.1 | 108 |
| 33 | VIRMA mediates preferential mA mRNA methylation in 3ΨTR and near stop codon and associates with alternative polyadenylation. <i>Cell Discovery</i> , 2018 , 4, 10 | 22.3 | 332 |
| 32 | N-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. <i>Genome Biology</i> , 2018 , 19, 200 | 18.3 | 26 |
| 31 | Mapping and characterizing N6-methyladenine in eukaryotic genomes using single-molecule real-time sequencing. <i>Genome Research</i> , 2018 , 28, 1067-1078 | 9.7 | 48 |
| 30 | Ythdc2 is an N-methyladenosine binding protein that regulates mammalian spermatogenesis. <i>Cell Research</i> , 2017 , 27, 1115-1127 | 24.7 | 404 |
| 29 | YTHDC1 mediates nuclear export of N-methyladenosine methylated mRNAs. <i>ELife</i> , 2017 , 6, | 8.9 | 452 |
| 28 | Author response: YTHDC1 mediates nuclear export of N6-methyladenosine methylated mRNAs 2017 , | | 6 |
| 27 | DNA N-methyladenine in metazoans: functional epigenetic mark or bystander?. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 503-506 | 17.6 | 54 |
| 26 | ALKBH1-Mediated tRNA Demethylation Regulates Translation. <i>Cell</i> , 2016 , 167, 816-828.e16 | 56.2 | 197 |
| 25 | Characterization of eukaryotic DNA N(6)-methyladenine by a highly sensitive restriction enzyme-assisted sequencing. <i>Nature Communications</i> , 2016 , 7, 11301 | 17.4 | 62 |
| 24 | Abundant DNA 6mA methylation during early embryogenesis of zebrafish and pig. <i>Nature Communications</i> , 2016 , 7, 13052 | 17.4 | 141 |
| 23 | Structure and mechanism of the essential two-component signal-transduction system WalkR in <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2016 , 7, 11000 | 17.4 | 21 |
| 22 | Ubiquitously expressed genes participate in cell-specific functions via alternative promoter usage. <i>EMBO Reports</i> , 2016 , 17, 1304-13 | 6.5 | 14 |
| 21 | High-Resolution Mapping of N6Methyladenosine in Transcriptome and Genome Using a Photo-Crosslinking-Assisted Strategy. <i>Methods in Enzymology</i> , 2015 , 560, 161-85 | 1.7 | 16 |
| 20 | Widespread occurrence of N6-methyladenosine in bacterial mRNA. <i>Nucleic Acids Research</i> , 2015 , 43, 6557-67 | 11.7 | 117 |
| 19 | 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, 326-37 | 6.3 | 16 |

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| 18 | N6-methyldeoxyadenosine marks active transcription start sites in Chlamydomonas. <i>Cell</i> , 2015 , 161, 879-892 | 316 |
| 17 | DNA N(6)-methyladenine: a new epigenetic mark in eukaryotes?. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 705-10 | 48.7 157 |
| 16 | High-Resolution N6-Methyladenosine (m6A) Map Using Photo-Crosslinking-Assisted m6A Sequencing. <i>Angewandte Chemie</i> , 2015 , 127, 1607-1610 | 3.6 26 |
| 15 | High-resolution N(6) -methyladenosine (m(6) A) map using photo-crosslinking-assisted m(6) A sequencing. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1587-90 | 16.4 249 |
| 14 | Genetic modification and screening in rat using haploid embryonic stem cells. <i>Cell Stem Cell</i> , 2014 , 14, 404-14 | 18 71 |
| 13 | Unique features of the m6A methylome in Arabidopsis thaliana. <i>Nature Communications</i> , 2014 , 5, 5630 | 17.4 239 |
| 12 | 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, 23659-65 | 5.4 6 |
| 11 | Parthenogenetic haploid embryonic stem cells produce fertile mice. <i>Cell Research</i> , 2013 , 23, 1330-3 | 24.7 28 |
| 10 | In vivo suppression of microRNA-24 prevents the transition toward decompensated hypertrophy in aortic-constricted mice. <i>Circulation Research</i> , 2013 , 112, 601-5 | 15.7 71 |
| 9 | miR-9 and miR-140-5p target FoxP2 and are regulated as a function of the social context of singing behavior in zebra finches. <i>Journal of Neuroscience</i> , 2013 , 33, 16510-21 | 6.6 41 |
| 8 | Three-dimensional culture may promote cell reprogramming. <i>Organogenesis</i> , 2013 , 9, 118-20 | 1.7 7 |
| 7 | 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, 805-10 | 8 3 |
| 6 | Mir-24 regulates junctophilin-2 expression in cardiomyocytes. <i>Circulation Research</i> , 2012 , 111, 837-41 | 15.7 74 |
| 5 | Androgenetic haploid embryonic stem cells produce live transgenic mice. <i>Nature</i> , 2012 , 490, 407-11 | 50.4 129 |
| 4 | Dynamics of brassinosteroid response modulated by negative regulator LIC in rice. <i>PLoS Genetics</i> , 2012 , 8, e1002686 | 6 95 |
| 3 | 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, 2580-8 | 9.4 96 |
| 2 | Activation of the imprinted Dlk1-Dio3 region correlates with pluripotency levels of mouse stem cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19483-90 | 5.4 218 |
| 1 | BC10, a DUF266-containing and Golgi-located type II membrane protein, is required for cell-wall biosynthesis in rice (<i>Oryza sativa</i> L.). <i>Plant Journal</i> , 2009 , 57, 446-62 | 6.9 88 |

