

Yun-Gui Yang

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

19,935
citations

57631

44
h-index

74018

75
g-index

82
all docs

82
docs citations

82
times ranked

15006
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-Methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. <i>Nature Chemical Biology</i> , 2011, 7, 885-887.	3.9	2,936
2	ALKBH5 Is a Mammalian RNA Demethylase that Impacts RNA Metabolism and Mouse Fertility. <i>Molecular Cell</i> , 2013, 49, 18-29.	4.5	2,549
3	Mammalian WTAP is a regulatory subunit of the RNA N6-methyladenosine methyltransferase. <i>Cell Research</i> , 2014, 24, 177-189.	5.7	1,719
4	Nuclear m6A Reader YTHDC1 Regulates mRNA Splicing. <i>Molecular Cell</i> , 2016, 61, 507-519.	4.5	1,432
5	Dynamic transcriptomic m6A decoration: writers, erasers, readers and functions in RNA metabolism. <i>Cell Research</i> , 2018, 28, 616-624.	5.7	1,045
6	FTO-dependent demethylation of N6-methyladenosine regulates mRNA splicing and is required for adipogenesis. <i>Cell Research</i> , 2014, 24, 1403-1419.	5.7	869
7	5-methylcytosine promotes mRNA export and NSUN2 as the methyltransferase and ALYREF as an m5C reader. <i>Cell Research</i> , 2017, 27, 606-625.	5.7	666
8	Single-cell RNA-seq highlights intra-tumoral heterogeneity and malignant progression in pancreatic ductal adenocarcinoma. <i>Cell Research</i> , 2019, 29, 725-738.	5.7	661
9	Cytoplasmic m6A reader YTHDF3 promotes mRNA translation. <i>Cell Research</i> , 2017, 27, 444-447.	5.7	606
10	A Role for Small RNAs in DNA Double-Strand Break Repair. <i>Cell</i> , 2012, 149, 101-112.	13.5	537
11	Ascorbic Acid Enhances Tet-Mediated 5-Methylcytosine Oxidation and Promotes DNA Demethylation in Mammals. <i>Journal of the American Chemical Society</i> , 2013, 135, 10396-10403.	6.6	499
12	Trex1 Exonuclease Degrades ssDNA to Prevent Chronic Checkpoint Activation and Autoimmune Disease. <i>Cell</i> , 2007, 131, 873-886.	13.5	490
13	m6A RNA Methylation Is Regulated by MicroRNAs and Promotes Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2015, 16, 289-301.	5.2	483
14	m6A modulates haematopoietic stem and progenitor cell specification. <i>Nature</i> , 2017, 549, 273-276.	13.7	436
15	5-methylcytosine promotes pathogenesis of bladder cancer through stabilizing mRNAs. <i>Nature Cell Biology</i> , 2019, 21, 978-990.	4.6	410
16	N6-Methyl-Adenosine (m6A) in RNA: An Old Modification with A Novel Epigenetic Function. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 8-17.	3.0	368
17	Mettl3-mediated m6A regulates spermatogonial differentiation and meiosis initiation. <i>Cell Research</i> , 2017, 27, 1100-1114.	5.7	306
18	A novel m6A reader Prrc2a controls oligodendroglial specification and myelination. <i>Cell Research</i> , 2019, 29, 23-41.	5.7	250

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19	RNA 5-Methylcytosine Facilitates the Maternal-to-Zygotic Transition by Preventing Maternal mRNA Decay. <i>Molecular Cell</i> , 2019, 75, 1188-1202.e11.	4.5	242
20	METTL3-mediated m6A modification is required for cerebellar development. <i>PLoS Biology</i> , 2018, 16, e2004880.	2.6	216
21	Identification of entacapone as a chemical inhibitor of FTO mediating metabolic regulation through FOXO1. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	201
22	Capturing the interactome of newly transcribed RNA. <i>Nature Methods</i> , 2018, 15, 213-220.	9.0	170
23	Ago2 facilitates Rad51 recruitment and DNA double-strand break repair by homologous recombination. <i>Cell Research</i> , 2014, 24, 532-541.	5.7	166
24	Dynamic methylome of internal mRNA N7-methylguanosine and its regulatory role in translation. <i>Cell Research</i> , 2019, 29, 927-941.	5.7	154
25	METTL3-mediated N6-methyladenosine mRNA modification enhances long-term memory consolidation. <i>Cell Research</i> , 2018, 28, 1050-1061.	5.7	146
26	m6A Regulates Neurogenesis and Neuronal Development by Modulating Histone Methyltransferase Ezh2. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 154-168.	3.0	135
27	FTO and Obesity: Mechanisms of Association. <i>Current Diabetes Reports</i> , 2014, 14, 486.	1.7	120
28	m6A modification suppresses ocular melanoma through modulating HINT2 mRNA translation. <i>Molecular Cancer</i> , 2019, 18, 161.	7.9	114
29	Smg6/Est1 licenses embryonic stem cell differentiation via nonsense-mediated mRNA decay. <i>EMBO Journal</i> , 2015, 34, 1630-1647.	3.5	108
30	Redox-active quinones induces genome-wide DNA methylation changes by an iron-mediated and Tet-dependent mechanism. <i>Nucleic Acids Research</i> , 2014, 42, 1593-1605.	6.5	106
31	m6A promotes R-loop formation to facilitate transcription termination. <i>Cell Research</i> , 2019, 29, 1035-1038.	5.7	101
32	Dynamic transcriptomic m ⁵ C and its regulatory role in RNA processing. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1639.	3.2	101
33	METTL3 counteracts premature aging via m6A-dependent stabilization of MIS12 mRNA. <i>Nucleic Acids Research</i> , 2020, 48, 11083-11096.	6.5	99
34	METTL3-dependent m6A modification programs T follicular helper cell differentiation. <i>Nature Communications</i> , 2021, 12, 1333.	5.8	99
35	m ⁶ A: Signaling for mRNA splicing. <i>RNA Biology</i> , 2016, 13, 756-759.	1.5	96
36	A single-cell transcriptomic landscape of the lungs of patients with COVID-19. <i>Nature Cell Biology</i> , 2021, 23, 1314-1328.	4.6	91

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37	RNA methylations in human cancers. <i>Seminars in Cancer Biology</i> , 2021, 75, 97-115.	4.3	87
38	Sprouts of RNA epigenetics. <i>RNA Biology</i> , 2013, 10, 915-918.	1.5	85
39	Endothelial-specific m6A modulates mouse hematopoietic stem and progenitor cell development via Notch signaling. <i>Cell Research</i> , 2018, 28, 249-252.	5.7	84
40	OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhances Rice Adaptation to High Temperature. <i>Developmental Cell</i> , 2020, 53, 272-286.e7.	3.1	81
41	ALKBH4-dependent demethylation of actin regulates actomyosin dynamics. <i>Nature Communications</i> , 2013, 4, 1832.	5.8	76
42	N6-methyladenosine RNA modification suppresses antiviral innate sensing pathways via reshaping double-stranded RNA. <i>Nature Communications</i> , 2021, 12, 1582.	5.8	65
43	Circulating tumor DNA 5-hydroxymethylcytosine as a novel diagnostic biomarker for esophageal cancer. <i>Cell Research</i> , 2018, 28, 597-600.	5.7	57
44	5-Hydroxymethylome in Circulating Cell-free DNA as A Potential Biomarker for Non-small-cell Lung Cancer. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 187-199.	3.0	53
45	Trrap-Dependent Histone Acetylation Specifically Regulates Cell-Cycle Gene Transcription to Control Neural Progenitor Fate Decisions. <i>Cell Stem Cell</i> , 2014, 14, 632-643.	5.2	47
46	Epitranscriptomic 5-Methylcytosine Profile in PM2.5-induced Mouse Pulmonary Fibrosis. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 41-51.	3.0	41
47	An alternative CTCF isoform antagonizes canonical CTCF occupancy and changes chromatin architecture to promote apoptosis. <i>Nature Communications</i> , 2019, 10, 1535.	5.8	39
48	Single-cell transcriptome profiling of the vaginal wall in women with severe anterior vaginal prolapse. <i>Nature Communications</i> , 2021, 12, 87.	5.8	39
49	More than one antibody of individual B cells revealed by single-cell immune profiling. <i>Cell Discovery</i> , 2019, 5, 64.	3.1	36
50	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. <i>IScience</i> , 2020, 23, 101034.	1.9	36
51	RNA structural dynamics regulate early embryogenesis through controlling transcriptome fate and function. <i>Genome Biology</i> , 2020, 21, 120.	3.8	34
52	METTL3-mediated mRNA N6-methyladenosine is required for oocyte and follicle development in mice. <i>Cell Death and Disease</i> , 2021, 12, 989.	2.7	31
53	Dynamic m6A modification and its emerging regulatory role in mRNA splicing. <i>Science Bulletin</i> , 2015, 60, 21-32.	4.3	30
54	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. <i>Cell Discovery</i> , 2017, 3, 16053.	3.1	30

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55	Insight into novel RNA-binding activities via large-scale analysis of lncRNA-bound proteome and IDH1-bound transcriptome. <i>Nucleic Acids Research</i> , 2019, 47, 2244-2262.	6.5	29
56	The m6A reading protein YTHDF3 potentiates tumorigenicity of cancer stem-like cells in ocular melanoma through facilitating CTNNB1 translation. <i>Oncogene</i> , 2022, 41, 1281-1297.	2.6	29
57	RNA-directed repair of DNA double-strand breaks. <i>DNA Repair</i> , 2015, 32, 82-85.	1.3	26
58	MYC promotes cancer progression by modulating m ⁶ A modifications to suppress target gene translation. <i>EMBO Reports</i> , 2021, 22, e51519.	2.0	24
59	A Novel Role of Human Holliday Junction Resolvase GEN1 in the Maintenance of Centrosome Integrity. <i>PLoS ONE</i> , 2012, 7, e49687.	1.1	16
60	Phase separation of Ddx3xb helicase regulates maternal-to-zygotic transition in zebrafish. <i>Cell Research</i> , 2022, 32, 715-728.	5.7	12
61	5-Methylcytosine Analysis by RNA-BisSeq. <i>Methods in Molecular Biology</i> , 2019, 1870, 237-248.	0.4	10
62	Idarubicin Stimulates Cell Cycle- and TET2-Dependent Oxidation of DNA 5-Methylcytosine in Cancer Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 861-868.	1.7	9
63	Differential transcriptomic landscapes of multiple organs from SARS-CoV-2 early infected rhesus macaques. <i>Protein and Cell</i> , 2022, 13, 920-939.	4.8	9
64	Genomic Epidemiology of SARS-CoV-2 in Pakistan. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 727-740.	3.0	8
65	RNA 5-methylcytosine regulates YBX2-dependent liquid-liquid phase separation. <i>Fundamental Research</i> , 2022, 2, 48-55.	1.6	8
66	N6-methyladenosine regulates RNA abundance of SARS-CoV-2. <i>Cell Discovery</i> , 2021, 7, 7.	3.1	7
67	Endogenous DNA Damage and Repair Enzymes. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 122-125.	3.0	6
68	Characteristics of N ⁶ -Methyladenosine Modification During Sexual Reproduction of <i>Chlamydomonas Reinhardtii</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2023, 21, 756-768.	3.0	4
69	Base-excision repair and beyond "A short summary attributed to scientific achievements of Tomas Lindahl, Nobel Prize Laureate in Chemistry 2015. <i>Science China Life Sciences</i> , 2016, 59, 89-92.	2.3	3
70	Comprehensive analysis of RNA-seq and whole genome sequencing data reveals no evidence for SARS-CoV-2 integrating into host genome. <i>Protein and Cell</i> , 2022, 13, 379-385.	4.8	3
71	scDART-seq: Mapping m6A at the single-cell level. <i>Molecular Cell</i> , 2022, 82, 713-715.	4.5	3
72	RNA Structural Dynamics Regulates Early Embryogenesis Through Controlling Transcriptome Fate and Function. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

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73	Dynamic DNA 5-Hydroxymethylcytosine and RNA 5-Methylcytosine Reprogramming During Early Human Development. <i>Genomics, Proteomics and Bioinformatics</i> , 2023, 21, 805-822.	3.0	1