Yun-Gui Yang

List of Publications by Year
in descending order

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73	19,935	57758 44	74163 75
papers	citations	h-index	g-index

82	82	82	15006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	N6-Methyladenosine in nuclear RNA is a major substrate of the obesity-associated FTO. Nature Chemical Biology, 2011, 7, 885-887.	8.0	2,936
2	ALKBH5 Is a Mammalian RNA Demethylase that Impacts RNA Metabolism and Mouse Fertility. Molecular Cell, 2013, 49, 18-29.	9.7	2,549
3	Mammalian WTAP is a regulatory subunit of the RNA N6-methyladenosine methyltransferase. Cell Research, 2014, 24, 177-189.	12.0	1,719
4	Nuclear m 6 A Reader YTHDC1 Regulates mRNA Splicing. Molecular Cell, 2016, 61, 507-519.	9.7	1,432
5	Dynamic transcriptomic m6A decoration: writers, erasers, readers and functions in RNA metabolism. Cell Research, 2018, 28, 616-624.	12.0	1,045
6	FTO-dependent demethylation of N6-methyladenosine regulates mRNA splicing and is required for adipogenesis. Cell Research, 2014, 24, 1403-1419.	12.0	869
7	5-methylcytosine promotes mRNA export â€" NSUN2 as the methyltransferase and ALYREF as an m5C reader. Cell Research, 2017, 27, 606-625.	12.0	666
8	Single-cell RNA-seq highlights intra-tumoral heterogeneity and malignant progression in pancreatic ductal adenocarcinoma. Cell Research, 2019, 29, 725-738.	12.0	661
9	Cytoplasmic m6A reader YTHDF3 promotes mRNA translation. Cell Research, 2017, 27, 444-447.	12.0	606
10	A Role for Small RNAs in DNA Double-Strand Break Repair. Cell, 2012, 149, 101-112.	28.9	537
11	Ascorbic Acid Enhances Tet-Mediated 5-Methylcytosine Oxidation and Promotes DNA Demethylation in Mammals. Journal of the American Chemical Society, 2013, 135, 10396-10403.	13.7	499
12	Trex1 Exonuclease Degrades ssDNA to Prevent Chronic Checkpoint Activation and Autoimmune Disease. Cell, 2007, 131, 873-886.	28.9	490
13	m6A RNA Methylation Is Regulated by MicroRNAs and Promotes Reprogramming to Pluripotency. Cell Stem Cell, 2015, 16, 289-301.	11.1	483
14	m6A modulates haematopoietic stem and progenitor cell specification. Nature, 2017, 549, 273-276.	27.8	436
15	5-methylcytosine promotes pathogenesis of bladder cancer through stabilizing mRNAs. Nature Cell Biology, 2019, 21, 978-990.	10.3	410
16	N6-Methyl-Adenosine (m6A) in RNA: An Old Modification with A Novel Epigenetic Function. Genomics, Proteomics and Bioinformatics, 2013, 11, 8-17.	6.9	368
17	Mettl3-mediated m6A regulates spermatogonial differentiation and meiosis initiation. Cell Research, 2017, 27, 1100-1114.	12.0	306
18	A novel m6A reader Prrc2a controls oligodendroglial specification and myelination. Cell Research, 2019, 29, 23-41.	12.0	250

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19	RNA 5-Methylcytosine Facilitates the Maternal-to-Zygotic Transition by Preventing Maternal mRNA Decay. Molecular Cell, 2019, 75, 1188-1202.e11.	9.7	242
20	METTL3-mediated m6A modification is required for cerebellar development. PLoS Biology, 2018, 16, e2004880.	5.6	216
21	Identification of entacapone as a chemical inhibitor of FTO mediating metabolic regulation through FOXO1. Science Translational Medicine, 2019, 11, .	12.4	201
22	Capturing the interactome of newly transcribed RNA. Nature Methods, 2018, 15, 213-220.	19.0	170
23	Ago2 facilitates Rad51 recruitment and DNA double-strand break repair by homologous recombination. Cell Research, 2014, 24, 532-541.	12.0	166
24	Dynamic methylome of internal mRNA N7-methylguanosine and its regulatory role in translation. Cell Research, 2019, 29, 927-941.	12.0	154
25	METTL3-mediated N6-methyladenosine mRNA modification enhances long-term memory consolidation. Cell Research, 2018, 28, 1050-1061.	12.0	146
26	m6A Regulates Neurogenesis and Neuronal Development by Modulating Histone Methyltransferase Ezh2. Genomics, Proteomics and Bioinformatics, 2019, 17, 154-168.	6.9	135
27	FTO and Obesity: Mechanisms of Association. Current Diabetes Reports, 2014, 14, 486.	4.2	120
28	m6A modification suppresses ocular melanoma through modulating HINT2 mRNA translation. Molecular Cancer, 2019, 18, 161.	19.2	114
29	Smg6/Est1 licenses embryonic stem cell differentiation via nonsenseâ€mediated <scp>mRNA</scp> decay. EMBO Journal, 2015, 34, 1630-1647.	7.8	108
30	Redox-active quinones induces genome-wide DNA methylation changes by an iron-mediated and Tet-dependent mechanism. Nucleic Acids Research, 2014, 42, 1593-1605.	14.5	106
31	m6A promotes R-loop formation to facilitate transcription termination. Cell Research, 2019, 29, 1035-1038.	12.0	101
32	Dynamic transcriptomic <scp>m⁵C</scp> and its regulatory role in <scp>RNA</scp> processing. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1639.	6.4	101
33	METTL3 counteracts premature aging via m6A-dependent stabilization of MIS12 mRNA. Nucleic Acids Research, 2020, 48, 11083-11096.	14.5	99
34	METTL3-dependent m6A modification programs T follicular helper cell differentiation. Nature Communications, 2021, 12, 1333.	12.8	99
35	m⁶A: Signaling for mRNA splicing. RNA Biology, 2016, 13, 756-759.	3.1	96
36	A single-cell transcriptomic landscape of the lungs of patients with COVID-19. Nature Cell Biology, 2021, 23, 1314-1328.	10.3	91

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37	RNA methylations in human cancers. Seminars in Cancer Biology, 2021, 75, 97-115.	9.6	87
38	Sprouts of RNA epigenetics. RNA Biology, 2013, 10, 915-918.	3.1	85
39	Endothelial-specific m6A modulates mouse hematopoietic stem and progenitor cell development via Notch signaling. Cell Research, 2018, 28, 249-252.	12.0	84
40	OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhances Rice Adaptation to High Temperature. Developmental Cell, 2020, 53, 272-286.e7.	7.0	81
41	ALKBH4-dependent demethylation of actin regulates actomyosin dynamics. Nature Communications, 2013, 4, 1832.	12.8	76
42	N6-methyladenosine RNA modification suppresses antiviral innate sensing pathways via reshaping double-stranded RNA. Nature Communications, 2021, 12, 1582.	12.8	65
43	Circulating tumor DNA 5-hydroxymethylcytosine as a novel diagnostic biomarker for esophageal cancer. Cell Research, 2018, 28, 597-600.	12.0	57
44	5-Hydroxymethylome in Circulating Cell-free DNA as A Potential Biomarker for Non-small-cell Lung Cancer. Genomics, Proteomics and Bioinformatics, 2018, 16, 187-199.	6.9	53
45	Trrap-Dependent Histone Acetylation Specifically Regulates Cell-Cycle Gene Transcription to Control Neural Progenitor Fate Decisions. Cell Stem Cell, 2014, 14, 632-643.	11.1	47
46	Epitranscriptomic 5-Methylcytosine Profile in PM2.5-induced Mouse Pulmonary Fibrosis. Genomics, Proteomics and Bioinformatics, 2020, 18, 41-51.	6.9	41
47	An alternative CTCF isoform antagonizes canonical CTCF occupancy and changes chromatin architecture to promote apoptosis. Nature Communications, 2019, 10, 1535.	12.8	39
48	Single-cell transcriptome profiling of the vaginal wall in women with severe anterior vaginal prolapse. Nature Communications, 2021, 12, 87.	12.8	39
49	More than one antibody of individual B cells revealed by single-cell immune profiling. Cell Discovery, 2019, 5, 64.	6.7	36
50	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. IScience, 2020, 23, 101034.	4.1	36
51	RNA structural dynamics regulate early embryogenesis through controlling transcriptome fate and function. Genome Biology, 2020, 21, 120.	8.8	34
52	METTL3-mediated mRNA N6-methyladenosine is required for oocyte and follicle development in mice. Cell Death and Disease, 2021, 12, 989.	6.3	31
53	Dynamic m 6 A modification and its emerging regulatory role in mRNA splicing. Science Bulletin, 2015, 60, 21-32.	9.0	30
54	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. Cell Discovery, 2017, 3, 16053.	6.7	30

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55	Insight into novel RNA-binding activities via large-scale analysis of lncRNA-bound proteome and IDH1-bound transcriptome. Nucleic Acids Research, 2019, 47, 2244-2262.	14.5	29
56	The m6A reading protein YTHDF3 potentiates tumorigenicity of cancer stem-like cells in ocular melanoma through facilitating CTNNB1 translation. Oncogene, 2022, 41, 1281-1297.	5.9	29
57	RNA-directed repair of DNA double-strand breaks. DNA Repair, 2015, 32, 82-85.	2.8	26
58	MYC promotes cancer progression by modulating m⁶A modifications to suppress target gene translation. EMBO Reports, 2021, 22, e51519.	4.5	24
59	A Novel Role of Human Holliday Junction Resolvase GEN1 in the Maintenance of Centrosome Integrity. PLoS ONE, 2012, 7, e49687.	2.5	16
60	Phase separation of Ddx3xb helicase regulates maternal-to-zygotic transition in zebrafish. Cell Research, 2022, 32, 715-728.	12.0	12
61	5-Methylcytosine Analysis by RNA-BisSeq. Methods in Molecular Biology, 2019, 1870, 237-248.	0.9	10
62	Idarubicin Stimulates Cell Cycle- and TET2-Dependent Oxidation of DNA 5-Methylcytosine in Cancer Cells. Chemical Research in Toxicology, 2019, 32, 861-868.	3.3	9
63	Differential transcriptomic landscapes of multiple organs from SARS-CoV-2 early infected rhesus macaques. Protein and Cell, 2022, 13, 920-939.	11.0	9
64	Genomic Epidemiology of SARS-CoV-2 in Pakistan. Genomics, Proteomics and Bioinformatics, 2021, 19, 727-740.	6.9	8
65	RNA 5-methylcytosine regulates YBX2-dependent liquid-liquid phase separation. Fundamental Research, 2022, 2, 48-55.	3.3	8
66	N6-methyladenosine regulates RNA abundance of SARS-CoV-2. Cell Discovery, 2021, 7, 7.	6.7	7
67	Endogenous DNA Damage and Repair Enzymes. Genomics, Proteomics and Bioinformatics, 2016, 14, 122-125.	6.9	6
68	Characteristics of N 6-Methyladenosine Modification During Sexual Reproduction of Chlamydomonas Reinhardtii. Genomics, Proteomics and Bioinformatics, 2023, 21, 756-768.	6.9	4
69	Base-excision repair and beyond â€"A short summary attributed to scientific achievements of Tomas Lindahl, Nobel Prize Laureate in Chemistry 2015. Science China Life Sciences, 2016, 59, 89-92.	4.9	3
70	Comprehensive analysis of RNA-seq and whole genome sequencing data reveals no evidence for SARS-CoV-2 integrating into host genome. Protein and Cell, 2022, 13, 379-385.	11.0	3
71	scDART-seq: Mapping m6A at the single-cell level. Molecular Cell, 2022, 82, 713-715.	9.7	3
72	RNA Structural Dynamics Regulates Early Embryogenesis Through Controlling Transcriptome Fate and Function. SSRN Electronic Journal, 0, , .	0.4	1

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73	Dynamic DNA 5-Hydroxylmethylcytosine and RNA 5-Methycytosine Reprogramming During Early Human Development. Genomics, Proteomics and Bioinformatics, 2023, 21, 805-822.	6.9	1