Ge Shan

List of Publications by Year
in descending order

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Version: 2024-02-01

73 papers	6,057 citations	147566 31 h-index	85405 71 g-index
75 all docs	75 docs citations	75 times ranked	8663 citing authors

#	Article	IF	Citations
1	Exon-intron circular RNAs regulate transcription in the nucleus. Nature Structural and Molecular Biology, 2015, 22, 256-264.	3.6	2,330
2	Genome-wide identification of SNPs in microRNA genes and the SNP effects on microRNA target binding and biogenesis. Human Mutation, 2012, 33, 254-263.	1.1	343
3	Long Non-coding RNAs in the Cytoplasm. Genomics, Proteomics and Bioinformatics, 2016, 14, 73-80.	3.0	300
4	A small molecule enhances RNA interference and promotes microRNA processing. Nature Biotechnology, 2008, 26, 933-940.	9.4	230
5	CircRNA in cancer: Fundamental mechanism and clinical potential. Cancer Letters, 2021, 505, 49-57.	3.2	213
6	Fragile X Mental Retardation Protein Regulates Proliferation and Differentiation of Adult Neural Stem/Progenitor Cells. PLoS Genetics, 2010, 6, e1000898.	1.5	211
7	U1 snRNP regulates chromatin retention of noncoding RNAs. Nature, 2020, 580, 147-150.	13.7	150
8	Escherichia coli noncoding RNAs can affect gene expression and physiology of Caenorhabditis elegans. Nature Communications, 2012, 3, 1073.	5.8	126
9	Circular RNAs in Eukaryotic Cells. Current Genomics, 2015, 16, 312-318.	0.7	122
10	The isolation of an RNA aptamer targeting to p53 protein with single amino acid mutation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10002-10007.	3.3	101
11	What happens at or after transcription: Insights into circRNA biogenesis and function. Transcription, 2015, 6, 61-64.	1.7	100
12	Identification of mecciRNAs and their roles in the mitochondrial entry of proteins. Science China Life Sciences, 2020, 63, 1429-1449.	2.3	99
13	Insertion of an Alu element in a lncRNA leads to primate-specific modulation of alternative splicing. Nature Structural and Molecular Biology, 2016, 23, 1011-1019.	3.6	75
14	Functions of long noncoding RNAs in the nucleus. Nucleus, 2016, 7, 155-166.	0.6	72
15	Targetable long non-coding RNAs in cancer treatments. Cancer Letters, 2018, 418, 119-124.	3.2	72
16	CCAR1 5â€² UTR as a natural miRancer of miR-1254 overrides tamoxifen resistance. Cell Research, 2016, 26, 655-673.	5.7	62
17	Primate-specific Long Non-coding RNAs and MicroRNAs. Genomics, Proteomics and Bioinformatics, 2017, 15, 187-195.	3.0	62
18	RNA interference as a gene knockdown technique. International Journal of Biochemistry and Cell Biology, 2010, 42, 1243-1251.	1.2	61

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19	The targeting and functions of miRNA-383 are mediated by FMRP during spermatogenesis. Cell Death and Disease, 2013, 4, e617-e617.	2.7	61
20	MicroRNA100 Inhibits Self-Renewal of Breast Cancer Stemâ€“like Cells and Breast Tumor Development. Cancer Research, 2014, 74, 6648-6660.	0.4	59
21	Long noncoding RNA EMS connects c-Myc to cell cycle control and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14620-14629.	3.3	57
22	Defining an evolutionarily conserved role of GW182 in circular RNA degradation. Cell Discovery, 2019, 5, 45.	3.1	57
23	The DEAD-Box RNA Helicase DDX3 Interacts with m⁶A RNA Demethylase ALKBH5. Stem Cells International, 2017, 2017, 1-11.	1.2	53
24	CircURI1 interacts with hnRNPM to inhibit metastasis by modulating alternative splicing in gastric cancer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	52
25	Inactivation of expression of several genes in a variety of bacterial species by EGS technology. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8163-8168.	3.3	45
26	Come FLY with us: toward understanding fragile X syndrome. Genes, Brain and Behavior, 2005, 4, 385-392.	1.1	43
27	LncRNAs in Stem Cells. Stem Cells International, 2016, 2016, 1-8.	1.2	43
28	Convergent Transcriptional Programs Regulate cAMP Levels in C.Âelegans GABAergic Motor Neurons. Developmental Cell, 2017, 43, 212-226.e7.	3.1	39
29	The RNA-binding protein QKI5 regulates primary miR-124-1 processing via a distal RNA motif during erythropoiesis. Cell Research, 2017, 27, 416-439.	5.7	38
30	Convergent genetic programs regulate similarities and differences between related motor neuron classes in Caenorhabditis elegans. Developmental Biology, 2005, 280, 494-503.	0.9	37
31	RNAi pathway participates in chromosome segregation in mammalian cells. Cell Discovery, 2015, 1, 15029.	3.1	37
32	Induction of miR-3648 Upon ER Stress and Its Regulatory Role in Cell Proliferation. International Journal of Molecular Sciences, 2017, 18, 1375.	1.8	37
33	The physiological function of long-noncoding RNAs. Non-coding RNA Research, 2020, 5, 178-184.	2.4	36
34	Circular RNAs from BOULE play conserved roles in protection against stress-induced fertility decline. Science Advances, 2020, 6, .	4.7	34
35	Roles of NFÎºB-miR-29s-MMP-2 circuitry in experimental choroidal neovascularization. Journal of Neuroinflammation, 2014, 11, 88.	3.1	31
36	Circular RNAs in physiology and non-immunological diseases. Trends in Biochemical Sciences, 2022, 47, 250-264.	3.7	31

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37	Molecular determinants for the distinct pH sensitivity of Kir1.1 and Kir4.1 channels. American Journal of Physiology - Cell Physiology, 2000, 279, C1464-C1471.	2.1	30
38	Signals from noncoding RNAs: Unconventional roles for conventional pol III transcripts. International Journal of Biochemistry and Cell Biology, 2012, 44, 1847-1851.	1.2	29
39	Mitochondria Encoded Non-coding RNAs in Cell Physiology. Frontiers in Cell and Developmental Biology, 2021, 9, 713729.	1.8	28
40	Comparing two approaches of miR-34a target identification, biotinylated-miRNA pulldown vs miRNA overexpression. RNA Biology, 2018, 15, 55-61.	1.5	27
41	Systematic evaluation of C. elegans lincRNAs with CRISPR knockout mutants. Genome Biology, 2019, 20, 7.	3.8	25
42	MicroRNAs modulate adaption to multiple abiotic stresses in Chlamydomonas reinhardtii. Scientific Reports, 2016, 6, 38228.	1.6	23
43	Robustness and Backbone Motif of a Cancer Network Regulated by miR-17-92 Cluster during the G1/S Transition. PLoS ONE, 2013, 8, e57009.	1.1	22
44	CTCF functions as an insulator for somatic genes and a chromatin remodeler for pluripotency genes during reprogramming. Cell Reports, 2022, 39, 110626.	2.9	22
45	Circular RNAs remain peculiarly unclear in biogenesis and function. Science China Life Sciences, 2015, 58, 616-618.	2.3	20
46	Copulation in C. elegans males requires a nuclear hormone receptor. Developmental Biology, 2008, 322, 11-20.	0.9	18
47	Î”Np63Î± exerts antitumor functions in cervical squamous cell carcinoma. Oncogene, 2020, 39, 905-921.	2.6	17
48	Gawky modulates MTF-1-mediated transcription activation and metal discrimination. Nucleic Acids Research, 2021, 49, 6296-6314.	6.5	17
49	Emerging roles of circular RNAs in gastric cancer metastasis and drug resistance. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	17
50	Reductions of the components of the calreticulin/calnexin qualityâ€control system by proteasome inhibitors and their relevance in a rodent model of Parkinson's disease. Journal of Neuroscience Research, 2014, 92, 1319-1329.	1.3	16
51	Analyses of a Panel of Transcripts Identified From a Small Sample Size and Construction of RNA Networks in Hepatocellular Carcinoma. Frontiers in Genetics, 2019, 10, 431.	1.1	14
52	LncRNA expression profile of Î”Np63Î± in cervical squamous cancers and its suppressive effects on LIF expression. Cytokine, 2017, 96, 114-122.	1.4	13
53	Nonradioactive Northern Blot of circRNAs. Methods in Molecular Biology, 2018, 1724, 135-141.	0.4	11
54	Editorial: Non-Coding RNAs and Human Diseases. Frontiers in Genetics, 2020, 11, 523.	1.1	11

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55	Roles of MicroRNAs in the Caenorhabditis elegans Nervous System. Journal of Genetics and Genomics, 2013, 40, 445-452.	1.7	10
56	Noncoding RNAs: Different roles in tumorigenesis. Science Bulletin, 2012, 57, 959-965.	1.7	9
57	Loss of miR-83 extends lifespan and affects target gene expression in an age-dependent manner in Caenorhabditis elegans. Journal of Genetics and Genomics, 2018, 45, 651-662.	1.7	9
58	FXTAS: a bad RNA and a hope for a cure. Expert Opinion on Biological Therapy, 2008, 8, 249-253.	1.4	8
59	Long noncoding RNA PM maintains cerebellar synaptic integrity and Cbln1 activation via Pax6/Mll1-mediated H3K4me3. PLoS Biology, 2021, 19, e3001297.	2.6	8
60	Altered expression of microRNAs in the response to ER stress. Science Bulletin, 2015, 60, 202-209.	4.3	7
61	Identification and detection of mecciRNAs. Methods, 2021, 196, 147-152.	1.9	7
62	Effects of LncRNA Lnc-LIF-AS on cell proliferation, migration and invasion in a human cervical cancer cell line. Cytokine, 2019, 120, 165-175.	1.4	6
63	Intravenous injection of l-aspartic acid Î²-hydroxamate attenuates choroidal neovascularization via anti-VEGF and anti-inflammation. Experimental Eye Research, 2019, 182, 93-100.	1.2	6
64	Repurposing bortezomib for choroidal neovascularization treatment via antagonizing VEGF-A and PDGF-D mediated signaling. Experimental Eye Research, 2021, 204, 108446.	1.2	6
65	Reciprocal modulation of long noncoding RNA EMS and p53 regulates tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
66	Environmental RNA interference in animals. Science Bulletin, 2013, 58, 4418-4425.	1.7	4
67	GRIM-19 Restores Cervical Cancer Cell Senescence by Repressing hTERT Transcription. Journal of Interferon and Cytokine Research, 2016, 36, 506-515.	0.5	3
68	Integrated analysis of mRNA and miRNA expression profiles in Ptychobarbus dipogon and Schizothorax oconnori , insight into genetic mechanisms of high altitude adaptation in the schizothoracine fishes. Gene Reports, 2017, 9, 74-80.	0.4	3
69	Uptake and Reaction of C. elegans to Environmental RNAs. , 2016, , 117-124.		2
70	Deletion of serine racemase reverses neuronal insulin signaling inhibition by amyloidâ€Î²2 oligomers. Journal of Neurochemistry, 2022, 163, 8-25.	2.1	2
71	A brief introduction of noncoding RNA research. Chinese Science Bulletin, 2017, 62, 3236-3244.	0.4	1
72	Chinese worm community made delightful wiggles in Hefei September 6 to September 8, 2013. Science China Life Sciences, 2013, 56, 1066-1066.	2.3	0

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73	Functions and functional mechanisms of noncoding RNAs. Scientia Sinica Vitae, 2017, 47, 36-42.	0.1	0