Runsheng Chen

List of Publications by Citations

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203 papers	12,964 citations	50 h-index	111 g-index
209 ext. papers	15,638 ext. citations	8.6 avg, IF	5.8 L-index

#	Paper	IF	Citations
203	A draft sequence of the rice genome (Oryza sativa L. ssp. indica). *Science*, **2002**, 296, 79-92	33.3	2356
202	Utilizing sequence intrinsic composition to classify protein-coding and long non-coding transcripts. *Nucleic Acids Research*, **2013**, 41, e166	20.1	879
201	Topological structure analysis of the protein-protein interaction network in budding yeast. *Nucleic Acids Research*, **2003**, 31, 2443-50	20.1	489
200	The long noncoding RNA lncTCF7 promotes self-renewal of human liver cancer stem cells through activation of Wnt signaling. *Cell Stem Cell*, **2015**, 16, 413-25	18	437
199	NONCODE 2016: an informative and valuable data source of long non-coding RNAs. *Nucleic Acids Research*, **2016**, 44, D203-8	20.1	429
198	Global epigenetic and transcriptional trends among two rice subspecies and their reciprocal hybrids. *Plant Cell*, **2010**, 22, 17-33	11.6	421
197	Genome sequence of Shigella flexneri 2a: insights into pathogenicity through comparison with genomes of Escherichia coli K12 and O157. *Nucleic Acids Research*, **2002**, 30, 4432-41	20.1	361
196	NONCODEv4: exploring the world of long non-coding RNA genes. *Nucleic Acids Research*, **2014**, 42, D98-103	20.1	342
195	NONCODE v3.0: integrative annotation of long noncoding RNAs. *Nucleic Acids Research*, **2012**, 40, D210-5	20.1	313
194	LncRNA profile study reveals a three-lncRNA signature associated with the survival of patients with oesophageal squamous cell carcinoma. *Gut*, **2014**, 63, 1700-10	19.2	296
193	Evolutionarily conserved multisubunit RBL2/p130 and E2F4 protein complex represses human cell cycle-dependent genes in quiescence. *Molecular Cell*, **2007**, 26, 539-51	17.6	286
192	NONCODEV5: a comprehensive annotation database for long non-coding RNAs. *Nucleic Acids Research*, **2018**, 46, D308-D314	20.1	276
191	Genome-wide association study in Han Chinese identifies four new susceptibility loci for coronary artery disease. *Nature Genetics*, **2012**, 44, 890-4	36.3	243
190	NONCODE: an integrated knowledge database of non-coding RNAs. *Nucleic Acids Research*, **2005**, 33, D112-5	20.1	223
189	A complete sequence of the T. tengcongensis genome. *Genome Research*, **2002**, 12, 689-700	9.7	189
188	MIWI and piRNA-mediated cleavage of messenger RNAs in mouse testes. *Cell Research*, **2015**, 25, 193-207	14.7	185
187	Long noncoding RNA lncKdm2b is required for ILC3 maintenance by initiation of Zfp292 expression. *Nature Immunology*, **2017**, 18, 499-508	19.1	154

186	Myostatin induces cyclin D1 degradation to cause cell cycle arrest through a phosphatidylinositol 3-kinase/AKT/GSK-3 beta pathway and is antagonized by insulin-like growth factor 1. *Journal of Biological Chemistry*, **2007**, 282, 3799-808	5.4	151
185	Mesenchymal Stem Cells Promote Hepatocarcinogenesis via lncRNA-MUF Interaction with ANXA2 and miR-34a. *Cancer Research*, **2017**, 77, 6704-6716	10.1	148
184	Long non-coding RNAs function annotation: a global prediction method based on bi-colored networks. *Nucleic Acids Research*, **2013**, 41, e35	20.1	144
183	Transcriptional inhibiton of Hoxd4 expression by miRNA-10a in human breast cancer cells. *BMC Molecular Biology*, **2009**, 10, 12	4.5	141
182	A long noncoding RNA critically regulates Bcr-Abl-mediated cellular transformation by acting as a competitive endogenous RNA. *Oncogene*, **2015**, 34, 1768-79	9.2	127
181	Long Noncoding RNA ADINR Regulates Adipogenesis by Transcriptionally Activating C/EBP *Stem Cell Reports*, **2015**, 5, 856-865	8	119
180	RNAcentral: a comprehensive database of non-coding RNA sequences. *Nucleic Acids Research*, **2017**, 45, D128-D134	20.1	119
179	Antibody responses to individual proteins of SARS coronavirus and their neutralization activities. *Microbes and Infection*, **2005**, 7, 882-9	9.3	109
178	NONCODE v2.0: decoding the non-coding. *Nucleic Acids Research*, **2008**, 36, D170-2	20.1	108
177	ncFANs: a web server for functional annotation of long non-coding RNAs. *Nucleic Acids Research*, **2011**, 39, W118-24	20.1	106
176	piRBase: a comprehensive database of piRNA sequences. *Nucleic Acids Research*, **2019**, 47, D175-D180	20.1	105
175	NPInter v2.0: an updated database of ncRNA interactions. *Nucleic Acids Research*, **2014**, 42, D104-8	20.1	101
174	piRBase: a web resource assisting piRNA functional study. *Database: the Journal of Biological Databases and Curation*, **2014**, 2014, bau110	5	98
173	NPInter v3.0: an upgraded database of noncoding RNA-associated interactions. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	95
172	Model-based analysis of two-color arrays (MA2C). *Genome Biology*, **2007**, 8, R178	18.3	91
171	Organization of the Caenorhabditis elegans small non-coding transcriptome: genomic features, biogenesis, and expression. *Genome Research*, **2006**, 16, 20-9	9.7	90
170	RNAcentral: an international database of ncRNA sequences. *Nucleic Acids Research*, **2015**, 43, D123-9	20.1	89
169	Database Resources of the National Genomics Data Center, China National Center for Bioinformation in 2021. *Nucleic Acids Research*, **2021**, 49, D18-D28	20.1	84

168	Association study with 33 single-nucleotide polymorphisms in 11 candidate genes for hypertension in Chinese. *Hypertension*, **2006**, 47, 1147-54	8.5	80
167	The human microbiome: a hot spot of microbial horizontal gene transfer. *Genomics*, **2012**, 100, 265-70	4.3	79
166	De novo prediction of RNA-protein interactions from sequence information. *Molecular BioSystems*, **2013**, 9, 133-42		74
165	LncRNA HAND2-AS1 promotes liver cancer stem cell self-renewal via BMP signaling. *EMBO Journal*, **2019**, 38, e101110	13	71
164	BioCircos.js: an interactive Circos JavaScript library for biological data visualization on web applications. *Bioinformatics*, **2016**, 32, 1740-2	7.2	64
163	Global identification and characterization of transcriptionally active regions in the rice genome. *PLoS ONE*, **2007**, 2, e294	3.7	63
162	NPInter: the noncoding RNAs and protein related biomacromolecules interaction database. *Nucleic Acids Research*, **2006**, 34, D150-2	20.1	63
161	SmProt: a database of small proteins encoded by annotated coding and non-coding RNA loci. *Briefings in Bioinformatics*, **2018**, 19, 636-643	13.4	60
160	The long noncoding RNA SNHG1 promotes tumor growth through regulating transcription of both local and distal genes. *Oncogene*, **2017**, 36, 6774-6783	9.2	60
159	controls self-renewal of embryonic stem cells via activating expression of transcription factor. *EMBO Journal*, **2018**, 37,	13	59
158	Systematic identification of genes involved in divergent skeletal muscle growth rates of broiler and layer chickens. *BMC Genomics*, **2009**, 10, 87	4.5	56
157	MicroRNA-encoding long non-coding RNAs. *BMC Genomics*, **2008**, 9, 236	4.5	53
156	Recipe for a busy bee: microRNAs in Honey Bee caste determination. *PLoS ONE*, **2013**, 8, e81661	3.7	53
155	A global identification and analysis of small nucleolar RNAs and possible intermediate-sized non-coding RNAs in Oryza sativa. *Molecular Plant*, **2013**, 6, 830-46	14.4	52
154	NPInter v4.0: an integrated database of ncRNA interactions. *Nucleic Acids Research*, **2020**, 48, D160-D165	20.1	50
153	Mapping the C. elegans noncoding transcriptome with a whole-genome tiling microarray. *Genome Research*, **2007**, 17, 1471-7	9.7	49
152	Genomic features and regulatory roles of intermediate-sized non-coding RNAs in Arabidopsis. *Molecular Plant*, **2014**, 7, 514-27	14.4	48
151	Long noncoding RNA LINC01186, regulated by TGF-/SMAD3, inhibits migration and invasion through Epithelial-Mesenchymal-Transition in lung cancer. *Gene*, **2017**, 608, 1-12	3.8	46

150	The novel long non-coding RNA CRG regulates Drosophila locomotor behavior. *Nucleic Acids Research*, **2012**, 40, 11714-27	20.1	45
149	Transcriptional profiling analysis and functional prediction of long noncoding RNAs in cancer. *Oncotarget*, **2016**, 7, 8131-42	3.3	45
148	LncRNA MT1JP functions as a tumor suppressor by interacting with TIAR to modulate the p53 pathway. *Oncotarget*, **2016**, 7, 15787-800	3.3	45
147	NONCODEV6: an updated database dedicated to long non-coding RNA annotation in both animals and plants. *Nucleic Acids Research*, **2021**, 49, D165-D171	20.1	45
146	The DNA sequence, annotation and analysis of human chromosome 3. *Nature*, **2006**, 440, 1194-8	50.4	43
145	Evolution and migration history of the Chinese population inferred from Chinese Y-chromosome evidence. *Journal of Human Genetics*, **2004**, 49, 339-348	4.3	43
144	GenomeComp: a visualization tool for microbial genome comparison. *Journal of Microbiological Methods*, **2003**, 54, 423-6	2.8	39
143	Transcriptome profiling of esophageal squamous cell carcinoma reveals a long noncoding RNA acting as a tumor suppressor. *Oncotarget*, **2015**, 6, 17065-80	3.3	37
142	Prediction of structured non-coding RNAs in the genomes of the nematodes Caenorhabditis elegans and Caenorhabditis briggsae. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2006**, 306, 379-92	1.8	36
141	Haplotype analysis of the matrix metalloproteinase 3 gene and myocardial infarction in a Chinese Han population. The Beijing atherosclerosis study. *Thrombosis and Haemostasis*, **2004**, 92, 867-73	7	36
140	The interactome as a tree--an attempt to visualize the protein-protein interaction network in yeast. *Nucleic Acids Research*, **2004**, 32, 4804-11	20.1	36
139	MicroRNA regulation of messenger-like noncoding RNAs: a network of mutual microRNA control. *Trends in Genetics*, **2008**, 24, 323-7	8.5	35
138	A novel antisense long noncoding RNA, TWISTED LEAF, maintains leaf blade flattening by regulating its associated sense R2R3-MYB gene in rice. *New Phytologist*, **2018**, 218, 774-788	9.8	34
137	ER-residential Nogo-B accelerates NAFLD-associated HCC mediated by metabolic reprogramming of oxLDL lipophagy. *Nature Communications*, **2019**, 10, 3391	17.4	32
136	Identification of gene expression modifications in myostatin-stimulated myoblasts. *Biochemical and Biophysical Research Communications*, **2005**, 326, 660-6	3.4	30
135	LncVar: a database of genetic variation associated with long non-coding genes. *Bioinformatics*, **2017** , 33, 112-118	7.2	29
134	Profiling Caenorhabditis elegans non-coding RNA expression with a combined microarray. *Nucleic Acids Research*, **2006**, 34, 2976-83	20.1	29
133	Functional Characterization of Long Noncoding RNA Lnc_bc060912 in Human Lung Carcinoma Cells. *Biochemistry*, **2015**, 54, 2895-902	3.2	28

132	Transcriptome-wide analysis of TDP-43 binding small RNAs identifies miR-NID1 (miR-8485), a novel miRNA that represses NRXN1 expression. *Genomics*, **2014**, 103, 76-82	4.3	28
131	FlexStem: improving predictions of RNA secondary structures with pseudoknots by reducing the search space. *Bioinformatics*, **2008**, 24, 1994-2001	7.2	27
130	NMPP: a user-customized NimbleGen microarray data processing pipeline. *Bioinformatics*, **2006**, 22, 2955-7	7.2	27
129	Integrated sequence-structure motifs suffice to identify microRNA precursors. *PLoS ONE*, **2012**, 7, e32797	3.7	26
128	NONCODEv4: Annotation of Noncoding RNAs with Emphasis on Long Noncoding RNAs. *Methods in Molecular Biology*, **2016**, 1402, 243-254	1.4	25
127	Plasminogen activator inhibitor-1 gene: selection of tagging single nucleotide polymorphisms and association with coronary heart disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 948-54	9.4	25
126	Integrated analysis of multiple data sources reveals modular structure of biological networks. *Biochemical and Biophysical Research Communications*, **2006**, 345, 302-9	3.4	25
125	Conservation analysis of small RNA genes in Escherichia coli. *Bioinformatics*, **2004**, 20, 599-603	7.2	25
124	A draft sequence of the rice (Oryza sativa ssp.indica) genome. *Science Bulletin*, **2001**, 46, 1937-1942		24
123	Long noncoding RNA lncHand2 promotes liver repopulation via c-Met signaling. *Journal of Hepatology*, **2018**, 69, 861-872	13.4	23
122	LncRNA16 is a potential biomarker for diagnosis of early-stage lung cancer that promotes cell proliferation by regulating the cell cycle. *Oncotarget*, **2017**, 8, 7867-7877	3.3	23
121	Systematic identification and characterization of chicken (Gallus gallus) ncRNAs. *Nucleic Acids Research*, **2009**, 37, 6562-74	20.1	23
120	The properties and functions of virus encoded microRNA, siRNA, and other small noncoding RNAs. *Critical Reviews in Microbiology*, **2008**, 34, 175-88	7.8	23
119	Phylophenetic properties of metabolic pathway topologies as revealed by global analysis. *BMC Bioinformatics*, **2006**, 7, 252	3.6	23
118	Modeling and docking of the three-dimensional structure of the human melanocortin 4 receptor. *The Protein Journal*, **2003**, 22, 335-44		23
117	antiCODE: a natural sense-antisense transcripts database. *BMC Bioinformatics*, **2007**, 8, 319	3.6	22
116	Association of alpha1A adrenergic receptor gene variants on chromosome 8p21 with human stage 2 hypertension. *Journal of Hypertension*, **2006**, 24, 1049-56	1.9	22
115	Genomic and transcriptomic analysis of the Asian honeybee Apis cerana provides novel insights into honeybee biology. *Scientific Reports*, **2018**, 8, 822	4.9	21

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113	Predicting molecular formulas of fragment ions with isotope patterns in tandem mass spectra. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2005**, 2, 217-30	3	20
112	Differential expression profiling between the relative normal and dystrophic muscle tissues from the same LGMD patient. *Journal of Translational Medicine*, **2006**, 4, 53	8.5	20
111	LincK contributes to breast tumorigenesis by promoting proliferation and epithelial-to-mesenchymal transition. *Journal of Hematology and Oncology*, **2019**, 12, 19	22.4	19
110	TDP-43 regulates cancer-associated microRNAs. *Protein and Cell*, **2018**, 9, 848-866	7.2	19
109	Distinct MicroRNA Subcellular Size and Expression Patterns in Human Cancer Cells. *International Journal of Cell Biology*, **2012**, 2012, 672462	2.6	19
108	Conserved distances between vertebrate highly conserved elements. *Human Molecular Genetics*, **2006**, 15, 2911-22	5.6	19
107	Fractal dimension of exon and intron sequences. *Journal of Theoretical Biology*, **1995**, 175, 23-6	2.3	19
106	Date of origin of the SARS coronavirus strains. *BMC Infectious Diseases*, **2004**, 4, 3	4	18
105	Profiling the long noncoding RNA interaction network in the regulatory elements of target genes by chromatin in situ reverse transcription sequencing. *Genome Research*, **2019**, 29, 1521-1532	9.7	17
104	GADD45A inhibits autophagy by regulating the interaction between BECN1 and PIK3C3. *Autophagy*, **2015**, 11, 2247-58	10.2	17
103	Systematic identification and evolutionary features of rhesus monkey small nucleolar RNAs. *BMC Genomics*, **2010**, 11, 61	4.5	17
102	Phylogeny Based on Whole Genome as inferred from Complete Information Set Analysis. *Journal of Biological Physics*, **2002**, 28, 439-47	1.6	17
101	SpatialDB: a database for spatially resolved transcriptomes. *Nucleic Acids Research*, **2020**, 48, D233-D237	20.1	16
100	Faster and more accurate global protein function assignment from protein interaction networks using the MFGO algorithm. *FEBS Letters*, **2006**, 580, 1891-6	3.8	16
99	Reversibly switchable DNA nanocompartment on surfaces. *Nucleic Acids Research*, **2004**, 32, e144	20.1	16
98	Identification and characterization of simple sequence repeats in the genomes of Shigella species. *Gene*, **2003**, 322, 85-92	3.8	16
97	Construction and structural modeling of a single-chain Fv▯sparaginase fusion protein resistant to proteolysis. *Biotechnology and Bioengineering*, **2000**, 70, 456-463	4.9	16

96	Association of the Polymorphism rs13259960 in SLEAR With Predisposition to Systemic Lupus Erythematosus. *Arthritis and Rheumatology*, **2020**, 72, 985-996	9.5	15
95	Experimental RNomics and genomic comparative analysis reveal a large group of species-specific small non-message RNAs in the silkworm Bombyx mori. *Nucleic Acids Research*, **2011**, 39, 3792-805	20.1	15
94	In vivo analysis of Caenorhabditis elegans noncoding RNA promoter motifs. *BMC Molecular Biology*, **2008**, 9, 71	4.5	15
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92	A functional intronic variant in the tyrosine hydroxylase (TH) gene confers risk of essential hypertension in the Northern Chinese Han population. *Clinical Science*, **2008**, 115, 151-8	6.5	14
91	Angiotensin II type I receptor gene and myocardial infarction: tagging SNPs and haplotype based association study. The Beijing atherosclerosis study. *Pharmacogenetics and Genomics*, **2004**, 14, 673-81		14
90	Toward Automated Identification of Glycan Branching Patterns Using Multistage Mass Spectrometry with Intelligent Precursor Selection. *Analytical Chemistry*, **2018**, 90, 14412-14422	7.8	14
89	Microarray analysis of ncRNA expression patterns in Caenorhabditis elegans after RNAi against snoRNA associated proteins. *BMC Genomics*, **2008**, 9, 278	4.5	13
88	Expression in Escherichia coli, purification and characterization of Thermoanaerobacter tengcongensis ribosome recycling factor. *Journal of Biochemistry*, **2005**, 138, 89-94	3.1	13
87	BCL9 provides multi-cellular communication properties in colorectal cancer by interacting with paraspeckle proteins. *Nature Communications*, **2020**, 11, 19	17.4	13
86	The long noncoding RNA ASNR regulates degradation of Bcl-2 mRNA through its interaction with AUF1. *Scientific Reports*, **2016**, 6, 32189	4.9	13
85	DRME: Count-based differential RNA methylation analysis at small sample size scenario. *Analytical Biochemistry*, **2016**, 499, 15-23	3.1	12
84	Genome-scale identification of Caenorhabditis elegans regulatory elements by tiling-array mapping of DNase I hypersensitive sites. *BMC Genomics*, **2009**, 10, 92	4.5	12
83	Dynamic changes in subgraph preference profiles of crucial transcription factors. *PLoS Computational Biology*, **2006**, 2, e47	5	12
82	Lipoprotein lipase gene polymorphisms and blood pressure levels in the Northern Chinese Han population. *Hypertension Research*, **2004**, 27, 373-8	4.7	12
81	Identification and analysis of intermediate size noncoding RNAs in the human fetal brain. *PLoS ONE* , **2011**, 6, e21652	3.7	12
80	Differential expression of miRNAs related to caste differentiation in the honey bee, Apis mellifera. *Apidologie*, **2016**, 47, 495-508	2.3	11
79	Predicting housekeeping genes based on Fourier analysis. *PLoS ONE*, **2011**, 6, e21012	3.7	11

78	The Caenorhabditis elegans intermediate-size transcriptome shows high degree of stage-specific expression. *Nucleic Acids Research*, **2011**, 39, 5203-14	20.1	11
77	A novel scoring schema for peptide identification by searching protein sequence databases using tandem mass spectrometry data. *BMC Bioinformatics*, **2006**, 7, 222	3.6	11
76	Identifying Hfq-binding small RNA targets in Escherichia coli. *Biochemical and Biophysical Research Communications*, **2006**, 343, 950-5	3.4	11
75	Lateralization of gene expression in the honeybee brain during olfactory learning. *Scientific Reports* , **2016**, 6, 34727	4.9	11
74	Computational methods to predict long noncoding RNA functions based on co-expression network. *Methods in Molecular Biology*, **2014**, 1182, 209-18	1.4	10
73	A differential sequencing-based analysis of the C. elegans noncoding transcriptome. *Rna*, **2012**, 18, 626-39	3.8	10
72	LRIK interacts with the Ku70-Ku80 heterodimer enhancing the efficiency of NHEJ repair. *Cell Death and Differentiation*, **2020**, 27, 3337-3353	12.7	9
71	Systematic study of novel lncRNAs in different gastrointestinal cancer cells. *Discovery Medicine*, **2016**, 21, 159-71	2.5	9
70	Large-scale study of long non-coding RNA functions based on structure and expression features. *Science China Life Sciences*, **2013**, 56, 953-9	8.5	8
69	The Landscape of Viral Expression Reveals Clinically Relevant Viruses with Potential Capability of Promoting Malignancy in Lower-Grade Glioma. *Clinical Cancer Research*, **2017**, 23, 2177-2185	12.9	8
68	Deep profiling of the novel intermediate-size noncoding RNAs in intraerythrocytic Plasmodium falciparum. *PLoS ONE*, **2014**, 9, e92946	3.7	8
67	Systematic identification of non-coding RNA 2,2,7-trimethylguanosine cap structures in Caenorhabditis elegans. *BMC Molecular Biology*, **2007**, 8, 86	4.5	8
66	Expression profiling and functional prediction of long noncoding RNAs in nasopharyngeal nonkeratinizing carcinoma. *Discovery Medicine*, **2016**, 21, 239-50	2.5	8
65	Identification of intermediate-size non-coding RNAs involved in the UV-induced DNA damage response in C. elegans. *PLoS ONE*, **2012**, 7, e48066	3.7	7
64	CloudLCA: finding the lowest common ancestor in metagenome analysis using cloud computing. *Protein and Cell*, **2012**, 3, 148-52	7.2	7
63	Gene’s Functional Arrangement as a Measure of thePhylogenetic Relationships of Microorganisms. *Journal of Biological Physics*, **2002**, 28, 55-62	1.6	7
62	A new method of preparing fiber-optic DNA biosensor and its array for gene detection. *Science in China Series C: Life Sciences*, **2001**, 44, 33-9		7
61	LncRNA HRCEG, regulated by HDAC1, inhibits cells proliferation and epithelial-mesenchymal-transition in gastric cancer. *Cancer Genetics*, **2020**, 241, 25-33	2.3	7

60	One novel long noncoding RNA lnc10 in Drosophila. *Journal of Genetics and Genomics*, **2014**, 41, 79-82	4	6
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56	Identification and functional characterization of intermediate-size non-coding RNAs in maize. *BMC Genomics*, **2018**, 19, 730	4.5	6
55	A binary matrix factorization algorithm for protein complex prediction. *Proteome Science*, **2011**, 9 Suppl 1, S18	2.6	5
54	An iterative algorithm to quantify factors influencing peptide fragmentation during tandem mass spectrometry. *Journal of Bioinformatics and Computational Biology*, **2007**, 5, 297-311	1	5
53	Identification of selenocysteine insertion sequence (SECIS) element in eukaryotic selenoproteins by RNA Draw program. *Science Bulletin*, **2001**, 46, 1159-1161		5
52	Fractal geometry study of DNA binding proteins. *Journal of Theoretical Biology*, **1994**, 171, 239-49	2.3	5
51	Long noncoding RNAAVANpromotes antiviral innate immunity by interacting with TRIM25 and enhancing the transcription of FOXO3a		5
50	Catenin safeguards the ground state of mousepluripotency by strengthening the robustness of the transcriptional apparatus. *Science Advances*, **2020**, 6, eaba1593	14.3	5
49	Long noncoding RNA AVAN promotes antiviral innate immunity by interacting with TRIM25 and enhancing the transcription of FOXO3a. *Cell Death and Differentiation*, **2021**, 28, 2900-2915	12.7	5
48	Deeply Mining a Universe of Peptides Encoded by Long Noncoding RNAs. *Molecular and Cellular Proteomics*, **2021**, 20, 100109	7.6	5
47	Analysis of the p53/CEP-1 regulated non-coding transcriptome in C. elegans by an NSR-seq strategy. *Protein and Cell*, **2014**, 5, 770-82	7.2	4
46	Development of a versatile, target-oriented tiling microarray assay for measuring allele-specific gene expression. *Genomics*, **2010**, 96, 308-15	4.3	4
45	Characterization of l-asparaginase fused with a protective ScFv and the protection mechanism. *Biochemical and Biophysical Research Communications*, **2000**, 276, 197-203	3.4	4
44	Coincident indices of exons and introns. *Computers in Biology and Medicine*, **1993**, 23, 333-43	7	4
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42	Active retrotransposons help maintain pericentromeric heterochromatin required for faithful cell division. *Genome Research*, **2020**, 30, 1570-1582	9.7	4
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40	XPF plays an indispensable role in relieving silver nanoparticle induced DNA damage stress in human cells. *Toxicology Letters*, **2018**, 288, 44-54	4.4	3
39	The influences of PRG-1 on the expression of small RNAs and mRNAs. *BMC Genomics*, **2014**, 15, 321	4.5	3
38	Light-induced protein translocation by genetically encoded unnatural amino acid in Caenorhabditis elegans. *Protein and Cell*, **2013**, 4, 883-6	7.2	3
37	Estimating developmental states of tumors and normal tissues using a linear time-ordered model. *BMC Bioinformatics*, **2011**, 12, 53	3.6	3
36	A binary matrix factorization algorithm for protein complex prediction **2010**,		3
35	Analyzing and modeling the inhibitory effect of phosphatidic acid on the GTP-gamma-S binding activity of Goalpha. *Proteins: Structure, Function and Bioinformatics*, **2008**, 71, 1732-43	4.2	3
34	Genome-wide analysis of mammalian DNA segment fusion/fission. *Journal of Theoretical Biology*, **2006**, 240, 200-8	2.3	3
33	Comparison of properties of tumor necrosis factor-alpha converting enzyme (TACE) and some matrix metalloproteases (MMPs) in catalytic domains. *Journal of Huazhong University of Science and Technology [Medical Sciences]*, **2006**, 26, 637-9		3
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31	Long noncoding RNA SMRG regulates Drosophila macrochaetes by antagonizing scute through E(spl)m□*RNA Biology*, **2019**, 16, 42-53	4.8	3
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29	Transcription Network Analysis by A Sparse Binary Factor Analysis Algorithm. *Journal of Integrative Bioinformatics*, **2012**, 9, 68-79	3.8	2
28	Assessing TF regulatory relationships of divergently transcribed genes. *Genomics*, **2008**, 92, 316-21	4.3	2
27	Small RNA in rice genome. *Science in China Series C: Life Sciences*, **2002**, 45, 497-503		2
26	Conservation of ribosomal protein gene ordering in 16 complete genomes. *Science in China Series C: Life Sciences*, **2000**, 43, 120-8		2
25	LncVar: Deciphering Genetic Variations Associated with Long Noncoding Genes. *Methods in Molecular Biology*, **2019**, 1870, 189-198	1.4	2

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