Ling-Ling Chen

List of Publications by Year
in descending order

101 papers	24,004 citations	38660 50 h-index	33814 99 g-index
116 all docs	116 docs citations	116 times ranked	20669 citing authors

#	Article	IF	Citations
1	Knockout of circRNAs by base editing back-splice sites of circularized exons. Genome Biology, 2022, 23, 16.	3.8	16
2	Understanding lncRNAâ€“protein assemblies with imaging and single-molecule approaches. Current Opinion in Genetics and Development, 2022, 72, 128-137.	1.5	6
3	RNA circles with minimized immunogenicity as potent PKR inhibitors. Molecular Cell, 2022, 82, 420-434.e6.	4.5	52
4	Circular RNAs: Characterization, cellular roles, and applications. Cell, 2022, 185, 2016-2034.	13.5	291
5	Biogenesis and Regulatory Roles of Circular RNAs. Annual Review of Cell and Developmental Biology, 2022, 38, 263-289.	4.0	75
6	Multi-color RNA imaging with CRISPR-Cas13b systems in living cells. , 2022, 1, 100044.		13
7	Screening circular RNAs with functional potential using the RfxCas13d/BSJ-gRNA system. Nature Protocols, 2022, 17, 2085-2107.	5.5	11
8	Screening for functional circular RNAs using the CRISPRâ€“Cas13 system. Nature Methods, 2021, 18, 51-59.	9.0	179
9	Gene regulation by long non-coding RNAs and its biological functions. Nature Reviews Molecular Cell Biology, 2021, 22, 96-118.	16.1	2,319
10	Analysis of Rice Transcriptome Reveals the LncRNA/CircRNA Regulation in Tissue Development. Rice, 2021, 14, 14.	1.7	26
11	CIRCexplorer pipelines for circRNA annotation and quantification from non-polyadenylated RNA-seq datasets. Methods, 2021, 196, 3-10.	1.9	18
12	Mapping circular RNA structures in living cells by SHAPE-MaP. Methods, 2021, 196, 47-55.	1.9	8
13	An optimized fixation method containing glyoxal and paraformaldehyde for imaging nuclear bodies. Rna, 2021, 27, 725-733.	1.6	5
14	LETN and NPM1 tango in human nucleoli. Cell Research, 2021, 31, 609-610.	5.7	3
15	RNA structure probing uncovers RNA structure-dependent biological functions. Nature Chemical Biology, 2021, 17, 755-766.	3.9	59
16	lncRNA <i>SLERT</i> controls phase separation of FC/DFCs to facilitate Pol I transcription. Science, 2021, 373, 547-555.	6.0	80
17	Linking circular intronic RNA degradation and function in transcription by RNase H1. Science China Life Sciences, 2021, 64, 1795-1809.	2.3	43
18	SCAPTURE: a deep learning-embedded pipeline that captures polyadenylation information from 3â€² tag-based RNA-seq of single cells. Genome Biology, 2021, 22, 221.	3.8	15

#	Article	IF	Citations
19	Long noncoding RNA and protein abundance in lncRNPs. Rna, 2021, 27, 1427-1440.	1.6	31
20	Characterization of Circular RNAs. Methods in Molecular Biology, 2021, 2372, 179-192.	0.4	8
21	Expanded regulation of circular RNA translation. Molecular Cell, 2021, 81, 4111-4113.	4.5	13
22	Noncoding RNAs: biology and applicationsâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 118-141.	1.8	13
23	Mechanisms of Long Noncoding RNA Nuclear Retention. Trends in Biochemical Sciences, 2020, 45, 947-960.	3.7	63
24	The expanding regulatory mechanisms and cellular functions of circular RNAs. Nature Reviews Molecular Cell Biology, 2020, 21, 475-490.	16.1	821
25	Protocol for Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 System. STAR Protocols, 2020, 1, 100037.	0.5	7
26	A guide to naming human nonâ€coding RNA genes. EMBO Journal, 2020, 39, e103777.	3.5	77
27	Distinct Processing of lncRNAs Contributes to Non-conserved Functions in Stem Cells. Cell, 2020, 181, 621-636.e22.	13.5	192
28	Organization and function of paraspeckles. Essays in Biochemistry, 2020, 64, 875-882.	2.1	24
29	Nascent Pre-rRNA Sorting via Phase Separation Drives the Assembly of Dense Fibrillar Components in the Human Nucleolus. Molecular Cell, 2019, 76, 767-783.e11.	4.5	186
30	Structure and Degradation of Circular RNAs Regulate PKR Activation in Innate Immunity. Cell, 2019, 177, 865-880.e21.	13.5	543
31	Cellular functions of long noncoding RNAs. Nature Cell Biology, 2019, 21, 542-551.	4.6	1,037
32	Linking RNA Processing and Function. Cold Spring Harbor Symposia on Quantitative Biology, 2019, 84, 67-82.	2.0	3
33	Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 Systems. Molecular Cell, 2019, 76, 981-997.e7.	4.5	231
34	CIRCexplorer3: A CLEAR Pipeline for Direct Comparison of Circular and Linear RNA Expression. Genomics, Proteomics and Bioinformatics, 2019, 17, 511-521.	3.0	55
35	Genome-Wide Annotation of circRNAs and Their Alternative Back-Splicing/Splicing with CIRCexplorer Pipeline. Methods in Molecular Biology, 2019, 1870, 137-149.	0.4	41
36	N6-Methyladenosines Modulate A-to-I RNA Editing. Molecular Cell, 2018, 69, 126-135.e6.	4.5	108

#	Article	IF	Citations
37	Genome-wide screening of NEAT1 regulators reveals cross-regulation between paraspeckles and mitochondria. Nature Cell Biology, 2018, 20, 1145-1158.	4.6	124
38	Processing and roles of snoRNA-ended long noncoding RNAs. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 596-606.	2.3	48
39	The Biogenesis, Functions, and Challenges of Circular RNAs. Molecular Cell, 2018, 71, 428-442.	4.5	1,511
40	RNA-binding protein SAMD4 regulates skeleton development through translational inhibition of Mig6 expression. Cell Discovery, 2017, 3, 16050.	3.1	23
41	Extensive translation of circular RNAs driven by N6-methyladenosine. Cell Research, 2017, 27, 626-641.	5.7	1,367
42	ALU ternative Regulation for Gene Expression. Trends in Cell Biology, 2017, 27, 480-490.	3.6	108
43	SLERT Regulates DDX21 Rings Associated with Pol I Transcription. Cell, 2017, 169, 664-678.e16.	13.5	205
44	Coordinated circRNA Biogenesis and Function with NF90/NF110 in Viral Infection. Molecular Cell, 2017, 67, 214-227.e7.	4.5	533
45	The Diversity of Long Noncoding RNAs and Their Generation. Trends in Genetics, 2017, 33, 540-552.	2.9	265
46	Increased complexity of circRNA expression during species evolution. RNA Biology, 2017, 14, 1064-1074.	1.5	166
47	The Output of Protein-Coding Genes Shifts to Circular RNAs When the Pre-mRNA Processing Machinery Is Limiting. Molecular Cell, 2017, 68, 940-954.e3.	4.5	319
48	Enhancing the RNA engineering toolkit. Science, 2017, 358, 996-997.	6.0	21
49	A two-fold challenge: the experience of women of color in genomics. Genome Biology, 2016, 17, 210.	3.8	1
50	Diverse alternative back-splicing and alternative splicing landscape of circular RNAs. Genome Research, 2016, 26, 1277-1287.	2.4	799
51	CircRNA-derived pseudogenes. Cell Research, 2016, 26, 747-750.	5.7	96
52	The Biogenesis of Nascent Circular RNAs. Cell Reports, 2016, 15, 611-624.	2.9	465
53	Research progress of long noncoding RNA in China. IUBMB Life, 2016, 68, 887-893.	1.5	34
54	Linking Long Noncoding RNA Localization and Function. Trends in Biochemical Sciences, 2016, 41, 761-772.	3.7	814

#	Article	IF	Citations
55	Ling-Ling Chen: Linking Long Noncoding RNA Processing and Function to RNA Biology. Trends in Biochemical Sciences, 2016, 41, 733-734.	3.7	5
56	Shedding light on paraspeckle structure by super-resolution microscopy. Journal of Cell Biology, 2016, 214, 789-791.	2.3	3
57	Unusual Processing Generates SPA LncRNAs that Sequester Multiple RNA Binding Proteins. Molecular Cell, 2016, 64, 534-548.	4.5	123
58	The biogenesis and emerging roles of circular RNAs. Nature Reviews Molecular Cell Biology, 2016, 17, 205-211.	16.1	1,377
59	Characterization of Circular RNAs. Methods in Molecular Biology, 2016, 1402, 215-227.	0.4	52
60	Protein arginine methyltransferase CARM1 attenuates the paraspeckle-mediated nuclear retention of mRNAs containing IR<i>Alu</i>s. Genes and Development, 2015, 29, 630-645.	2.7	80
61	SnoVectors for nuclear expression of RNA. Nucleic Acids Research, 2015, 43, e5-e5.	6.5	43
62	Gear Up in Circles. Molecular Cell, 2015, 58, 715-717.	4.5	4
63	ADAR1 is required for differentiation and neural induction by regulating microRNA processing in a catalytically independent manner. Cell Research, 2015, 25, 459-476.	5.7	73
64	The long noncoding RNA regulation at the MYC locus. Current Opinion in Genetics and Development, 2015, 33, 41-48.	1.5	26
65	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. Cell Stem Cell, 2015, 17, 221-232.	5.2	91
66	Regulation of circRNA biogenesis. RNA Biology, 2015, 12, 381-388.	1.5	1,525
67	Fractionation of Non-polyadenylated and Ribosomal-Free RNAs from Mammalian Cells. Methods in Molecular Biology, 2015, 1206, 69-80.	0.4	16
68	Human colorectal cancer-specific CCAT1-L lncRNA regulates long-range chromatin interactions at the MYC locus. Cell Research, 2014, 24, 513-531.	5.7	588
69	Functional Analysis of Long Noncoding RNAs in Development and Disease. Advances in Experimental Medicine and Biology, 2014, 825, 129-158.	0.8	61
70	Microexons Go Big. Cell, 2014, 159, 1488-1489.	13.5	14
71	Life without A tail: New formats of long noncoding RNAs. International Journal of Biochemistry and Cell Biology, 2014, 54, 338-349.	1.2	104
72	Competition of RNA splicing: line in or circle up. Science China Life Sciences, 2014, 57, 1232-1233.	2.3	2

#	Article	IF	Citations
73	Scientific migration of junior scientists to China. Genome Biology, 2014, 15, 119.	13.9	6
74	Gene expression profiling of non-polyadenylated RNA-seq across species. Genomics Data, 2014, 2, 237-241.	1.3	16
75	Complementary Sequence-Mediated Exon Circularization. Cell, 2014, 159, 134-147.	13.5	1,638
76	Species-specific alternative splicing leads to unique expression of sno-lncRNAs. BMC Genomics, 2014, 15, 287.	1.2	42
77	Prediction of constitutive A-to-I editing sites from human transcriptomes in the absence of genomic sequences. BMC Genomics, 2013, 14, 206.	1.2	32
78	Circular Intronic Long Noncoding RNAs. Molecular Cell, 2013, 51, 792-806.	4.5	1,858
79	Long Noncoding RNAs with snoRNA Ends. Molecular Cell, 2012, 48, 219-230.	4.5	389
80	A new class of intronâ€derived long noncoding RNAs. FASEB Journal, 2012, 26, 203.1.	0.2	0
81	Genomewide characterization of non-polyadenylated RNAs. Genome Biology, 2011, 12, R16.	13.9	365
82	Genome-Wide Studies Reveal That Lin28 Enhances the Translation of Genes Important for Growth and Survival of Human Embryonic Stem Cells. Stem Cells, 2011, 29, 496-504.	1.4	176
83	Nuclear Editing of mRNA 3â€²-UTRs. Current Topics in Microbiology and Immunology, 2011, 353, 111-121.	0.7	11
84	Long noncoding RNAs in mammalian cells: what, where, and why?. Wiley Interdisciplinary Reviews RNA, 2010, 1, 2-21.	3.2	99
85	Decoding the function of nuclear long non-coding RNAs. Current Opinion in Cell Biology, 2010, 22, 357-364.	2.6	240
86	Molecular basis for an attenuated cytoplasmic dsRNA response in human embryonic stem cells. Cell Cycle, 2010, 9, 3552-3564.	1.3	59
87	Altered Nuclear Retention of mRNAs Containing Inverted Repeats in Human Embryonic Stem Cells: Functional Role of a Nuclear Noncoding RNA. Molecular Cell, 2009, 35, 467-478.	4.5	589
88	Alu element-mediated gene silencing. EMBO Journal, 2008, 27, 1694-1705.	3.5	290
89	On the mechanism of induction of heterochromatin by the RNA-binding protein vigilin. Rna, 2008, 14, 1773-1781.	1.6	32
90	Gene regulation by SINES and inosines: biological consequences of A-to-I editing of Alu element inverted repeats. Cell Cycle, 2008, 7, 3294-3301.	1.3	85

#	Article	IF	Citations
91	Inhibitors of type I MetAPs containing pyridine-2-carboxylic acid thiazol-2-ylamide. Part 1: SAR studies on the determination of the key scaffold. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 635-638.	1.0	19
92	Inhibitors of type I MetAPs containing pyridine-2-carboxylic acid thiazol-2-ylamide. Part 2: SAR studies on the pyridine ring 3-substituent. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 639-644.	1.0	9
93	Identification of potent type I MetAP inhibitors by simple bioisosteric replacement. Part 1: Synthesis and preliminary SAR studies of thiazole-4-carboxylic acid thiazol-2-ylamide derivatives. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3732-3736.	1.0	18
94	Identification of potent type I MetAPs inhibitors by simple bioisosteric replacement. Part 2: SAR studies of 5-heteroalkyl substituted TCAT derivatives. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4130-4135.	1.0	17
95	Mutations at the S1 Sites of Methionine Aminopeptidases from Escherichia coli and Homo sapiens Reveal the Residues Critical for Substrate Specificity. Journal of Biological Chemistry, 2004, 279, 21128-21134.	1.6	19
96	Design and synthesis of chromogenic thiopeptolide substrates as MetAPs active site probes. Bioorganic and Medicinal Chemistry, 2004, 12, 2853-2861.	1.4	8
97	Characterization of Full Length and Truncated Type I Human Methionine Aminopeptidases Expressed from Escherichia coli. Biochemistry, 2004, 43, 7892-7898.	1.2	25
98	Discovery and Structural Modification of Inhibitors of Methionine Aminopeptidases from Escherichia coli and Saccharomyces cerevisiae. Journal of Medicinal Chemistry, 2003, 46, 2631-2640.	2.9	66
99	Specificity for inhibitors of metal-substituted methionine aminopeptidase. Biochemical and Biophysical Research Communications, 2003, 307, 172-179.	1.0	52
100	A Role for A-to-I Editing in Gene Silencing. , 0, , 190-202.		0
101	7S RNA is surveilling mitochondrial DNA transcription. , 0, , .		0