

Ling-Ling Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	14,570 citations	44 h-index	116 g-index
116 ext. papers	19,966 ext. citations	14.9 avg, IF	7.88 L-index

#	Paper	IF	Citations
99	Circular intronic long noncoding RNAs. <i>Molecular Cell</i> , 2013 , 51, 792-806	17.6	1352
98	Complementary sequence-mediated exon circularization. <i>Cell</i> , 2014 , 159, 134-147	56.2	1144
97	Regulation of circRNA biogenesis. <i>RNA Biology</i> , 2015 , 12, 381-8	4.8	1049
96	The biogenesis and emerging roles of circular RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 205-11	48.7	989
95	The Biogenesis, Functions, and Challenges of Circular RNAs. <i>Molecular Cell</i> , 2018 , 71, 428-442	17.6	902
94	Extensive translation of circular RNAs driven by N-methyladenosine. <i>Cell Research</i> , 2017 , 27, 626-641	24.7	891
93	Gene regulation by long non-coding RNAs and its biological functions. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 96-118	48.7	597
92	Cellular functions of long noncoding RNAs. <i>Nature Cell Biology</i> , 2019 , 21, 542-551	23.4	592
91	Linking Long Noncoding RNA Localization and Function. <i>Trends in Biochemical Sciences</i> , 2016 , 41, 761-772	20.3	550
90	Altered nuclear retention of mRNAs containing inverted repeats in human embryonic stem cells: functional role of a nuclear noncoding RNA. <i>Molecular Cell</i> , 2009 , 35, 467-78	17.6	483
89	Diverse alternative back-splicing and alternative splicing landscape of circular RNAs. <i>Genome Research</i> , 2016 , 26, 1277-87	9.7	482
88	Human colorectal cancer-specific CCAT1-L lncRNA regulates long-range chromatin interactions at the MYC locus. <i>Cell Research</i> , 2014 , 24, 513-31	24.7	471
87	Coordinated circRNA Biogenesis and Function with NF90/NF110 in Viral Infection. <i>Molecular Cell</i> , 2017 , 67, 214-227.e7	17.6	334
86	The Biogenesis of Nascent Circular RNAs. <i>Cell Reports</i> , 2016 , 15, 611-624	10.6	324
85	The expanding regulatory mechanisms and cellular functions of circular RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 475-490	48.7	318
84	Structure and Degradation of Circular RNAs Regulate PKR Activation in Innate Immunity. <i>Cell</i> , 2019 , 177, 865-880.e21	56.2	312
83	Long noncoding RNAs with snoRNA ends. <i>Molecular Cell</i> , 2012 , 48, 219-30	17.6	304

82	Genomewide characterization of non-polyadenylated RNAs. <i>Genome Biology</i> , 2011 , 12, R16	18.3	286
81	Alu element-mediated gene silencing. <i>EMBO Journal</i> , 2008 , 27, 1694-705	13	248
80	The Output of Protein-Coding Genes Shifts to Circular RNAs When the Pre-mRNA Processing Machinery Is Limiting. <i>Molecular Cell</i> , 2017 , 68, 940-954.e3	17.6	213
79	Decoding the function of nuclear long non-coding RNAs. <i>Current Opinion in Cell Biology</i> , 2010 , 22, 357-64	9	196
78	The Diversity of Long Noncoding RNAs and Their Generation. <i>Trends in Genetics</i> , 2017 , 33, 540-552	8.5	167
77	Genome-wide studies reveal that Lin28 enhances the translation of genes important for growth and survival of human embryonic stem cells. <i>Stem Cells</i> , 2011 , 29, 496-504	5.8	145
76	SLERT Regulates DDX21 Rings Associated with Pol I Transcription. <i>Cell</i> , 2017 , 169, 664-678.e16	56.2	125
75	Increased complexity of circRNA expression during species evolution. <i>RNA Biology</i> , 2017 , 14, 1064-1074	4.8	117
74	Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 Systems. <i>Molecular Cell</i> , 2019 , 76, 981-997.e7	17.6	112
73	Nascent Pre-rRNA Sorting via Phase Separation Drives the Assembly of Dense Fibrillar Components in the Human Nucleolus. <i>Molecular Cell</i> , 2019 , 76, 767-783.e11	17.6	88
72	Long noncoding RNAs in mammalian cells: what, where, and why?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010 , 1, 2-21	9.3	87
71	Genome-wide screening of NEAT1 regulators reveals cross-regulation between paraspeckles and mitochondria. <i>Nature Cell Biology</i> , 2018 , 20, 1145-1158	23.4	85
70	Unusual Processing Generates SPA LncRNAs that Sequester Multiple RNA Binding Proteins. <i>Molecular Cell</i> , 2016 , 64, 534-548	17.6	79
69	Life without A tail: new formats of long noncoding RNAs. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 54, 338-49	5.6	78
68	Distinct Processing of lncRNAs Contributes to Non-conserved Functions in Stem Cells. <i>Cell</i> , 2020 , 181, 621-636.e22	56.2	75
67	CircRNA-derived pseudogenes. <i>Cell Research</i> , 2016 , 26, 747-50	24.7	72
66	ALU alternative Regulation for Gene Expression. <i>Trends in Cell Biology</i> , 2017 , 27, 480-490	18.3	71
65	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. <i>Cell Stem Cell</i> , 2015 , 17, 221-32	18	70

64	Gene regulation by SINES and inosines: biological consequences of A-to-I editing of Alu element inverted repeats. <i>Cell Cycle</i> , 2008 , 7, 3294-301	4.7	70
63	Protein arginine methyltransferase CARM1 attenuates the paraspeckle-mediated nuclear retention of mRNAs containing IRAlus. <i>Genes and Development</i> , 2015 , 29, 630-45	12.6	61
62	ADAR1 is required for differentiation and neural induction by regulating microRNA processing in a catalytically independent manner. <i>Cell Research</i> , 2015 , 25, 459-76	24.7	60
61	Discovery and structural modification of inhibitors of methionine aminopeptidases from <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 2631-40	8.3	60
60	N-Methyladenosines Modulate A-to-I RNA Editing. <i>Molecular Cell</i> , 2018 , 69, 126-135.e6	17.6	58
59	Screening for functional circular RNAs using the CRISPR-Cas13 system. <i>Nature Methods</i> , 2021 , 18, 51-59	21.6	57
58	Functional analysis of long noncoding RNAs in development and disease. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 825, 129-58	3.6	51
57	Specificity for inhibitors of metal-substituted methionine aminopeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 307, 172-9	3.4	49
56	Molecular basis for an attenuated cytoplasmic dsRNA response in human embryonic stem cells. <i>Cell Cycle</i> , 2010 , 9, 3552-64	4.7	46
55	A guide to naming human non-coding RNA genes. <i>EMBO Journal</i> , 2020 , 39, e103777	13	39
54	Species-specific alternative splicing leads to unique expression of sno-lncRNAs. <i>BMC Genomics</i> , 2014 , 15, 287	4.5	35
53	Characterization of Circular RNAs. <i>Methods in Molecular Biology</i> , 2016 , 1402, 215-227	1.4	30
52	Prediction of constitutive A-to-I editing sites from human transcriptomes in the absence of genomic sequences. <i>BMC Genomics</i> , 2013 , 14, 206	4.5	27
51	On the mechanism of induction of heterochromatin by the RNA-binding protein vigilin. <i>Rna</i> , 2008 , 14, 1773-81	5.8	27
50	Mechanisms of Long Noncoding RNA Nuclear Retention. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 947-960.	10.3	27
49	Research progress of long noncoding RNA in China. <i>IUBMB Life</i> , 2016 , 68, 887-893	4.7	26
48	SnoVectors for nuclear expression of RNA. <i>Nucleic Acids Research</i> , 2015 , 43, e5	20.1	25
47	Processing and roles of snoRNA-ended long noncoding RNAs. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018 , 53, 596-606	8.7	23

46	The long noncoding RNA regulation at the MYC locus. <i>Current Opinion in Genetics and Development</i> , 2015 , 33, 41-8	4.9	22
45	Characterization of full length and truncated type I human methionine aminopeptidases expressed from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2004 , 43, 7892-8	3.2	22
44	CIRCexplorer3: A CLEAR Pipeline for Direct Comparison of Circular and Linear RNA Expression. <i>Genomics, Proteomics and Bioinformatics</i> , 2019 , 17, 511-521	6.5	21
43	Mutations at the S1 sites of methionine aminopeptidases from <i>Escherichia coli</i> and <i>Homo sapiens</i> reveal the residues critical for substrate specificity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 21128-34	5.4	18
42	Enhancing the RNA engineering toolkit. <i>Science</i> , 2017 , 358, 996-997	33.3	17
41	Inhibitors of type I MetAPs containing pyridine-2-carboxylic acid thiazol-2-ylamide. Part 1: SAR studies on the determination of the key scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 635-8	2.9	17
40	lncRNA controls phase separation of FC/DFCs to facilitate Pol I transcription. <i>Science</i> , 2021 , 373, 547-555	33.3	17
39	Identification of potent type I MetAPs inhibitors by simple bioisosteric replacement. Part 2: SAR studies of 5-heteroalkyl substituted TCAT derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 4130-5	2.9	16
38	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 3732-6	2.9	15
37	RNA structure probing uncovers RNA structure-dependent biological functions. <i>Nature Chemical Biology</i> , 2021 , 17, 755-766	11.7	15
36	Genome-Wide Annotation of circRNAs and Their Alternative Back-Splicing/Splicing with CIRCexplorer Pipeline. <i>Methods in Molecular Biology</i> , 2019 , 1870, 137-149	1.4	15
35	Fractionation of non-polyadenylated and ribosomal-free RNAs from mammalian cells. <i>Methods in Molecular Biology</i> , 2015 , 1206, 69-80	1.4	14
34	Gene expression profiling of non-polyadenylated RNA-seq across species. <i>Genomics Data</i> , 2014 , 2, 237-41		11
33	Microexons go big. <i>Cell</i> , 2014 , 159, 1488-9	56.2	10
32	Nuclear Editing of mRNA 3'UTRs. <i>Current Topics in Microbiology and Immunology</i> , 2012 , 353, 111-21	3.3	10
31	RNA-binding protein SAMD4 regulates skeleton development through translational inhibition of Mig6 expression. <i>Cell Discovery</i> , 2017 , 3, 16050	22.3	9
30	Inhibitors of type I MetAPs containing pyridine-2-carboxylic acid thiazol-2-ylamide. Part 2: SAR studies on the pyridine ring 3-substituent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 639-44	2.9	8
29	Linking circular intronic RNA degradation and function in transcription by RNase H1. <i>Science China Life Sciences</i> , 2021 , 64, 1795-1809	8.5	8

28	RNA circles with minimized immunogenicity as potent PKR inhibitors.. <i>Molecular Cell</i> , 2021 ,	17.6	7
27	Organization and function of paraspeckles. <i>Essays in Biochemistry</i> , 2020 , 64, 875-882	7.6	7
26	Design and synthesis of chromogenic thiopeptolide substrates as MetAPs active site probes. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 2853-61	3.4	6
25	Scientific migration of junior scientists to China. <i>Genome Biology</i> , 2014 , 15, 119	18.3	5
24	Screening for functional circular RNAs using the CRISPR-Cas13 system		5
23	CIRCexplorer pipelines for circRNA annotation and quantification from non-polyadenylated RNA-seq datasets. <i>Methods</i> , 2021 , 196, 3-10	4.6	5
22	Long noncoding RNA and protein abundance in lncRNPs. <i>Rna</i> , 2021 , 27, 1427-1440	5.8	5
21	Protocol for Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 System. <i>STAR Protocols</i> , 2020 , 1, 100037	1.4	4
20	Gear Up in Circles. <i>Molecular Cell</i> , 2015 , 58, 715-7	17.6	4
19	Ling-Ling Chen: Linking Long Noncoding RNA Processing and Function to RNA Biology. <i>Trends in Biochemical Sciences</i> , 2016 , 41, 733-734	10.3	4
18	Analysis of Rice Transcriptome Reveals the lncRNA/CircRNA Regulation in Tissue Development. <i>Rice</i> , 2021 , 14, 14	5.8	4
17	SCAPTURE: a deep learning-embedded pipeline that captures polyadenylation information from 3W tag-based RNA-seq of single cells. <i>Genome Biology</i> , 2021 , 22, 221	18.3	3
16	Shedding light on paraspeckle structure by super-resolution microscopy. <i>Journal of Cell Biology</i> , 2016 , 214, 789-91	7.3	2
15	Competition of RNA splicing: line in or circle up. <i>Science China Life Sciences</i> , 2014 , 57, 1232-3	8.5	2
14	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. <i>Cell Stem Cell</i> , 2015 , 17, 247	18	2
13	Knockout of circRNAs by base editing back-splice sites of circularized exons.. <i>Genome Biology</i> , 2022 , 23, 16	18.3	2
12	Understanding lncRNA-protein assemblies with imaging and single-molecule approaches.. <i>Current Opinion in Genetics and Development</i> , 2021 , 72, 128-137	4.9	2
11	An optimized fixation method containing glyoxal and paraformaldehyde for imaging nuclear bodies. <i>Rna</i> , 2021 , 27, 725-733	5.8	2

10	Linking RNA Processing and Function. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019 , 84, 67-82	3.9	2
9	Mapping circular RNA structures in living cells by SHAPE-MaP. <i>Methods</i> , 2021 , 196, 47-55	4.6	2
8	Expanded regulation of circular RNA translation. <i>Molecular Cell</i> , 2021 , 81, 4111-4113	17.6	1
7	A CLEAR pipeline for direct comparison of circular and linear RNA expression		1
6	Knockout of circRNAs by base editing back-splice sites of circularized exons		1
5	Characterization of Circular RNAs. <i>Methods in Molecular Biology</i> , 2021 , 2372, 179-192	1.4	0
4	A Role for A-to-I Editing in Gene Silencing190-202		
3	A new class of intron-derived long noncoding RNAs. <i>FASEB Journal</i> , 2012 , 26, 203.1	0.9	
2	LETN and NPM1 tango in human nucleoli. <i>Cell Research</i> , 2021 , 31, 609-610	24.7	
1	A two-fold challenge: the experience of women of color in genomics. <i>Genome Biology</i> , 2016 , 17, 210	18.3	