

Ling-Ling Chen

List of Publications by Year in descending order

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101
papers

24,004
citations

38660

50
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33814

99
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116
all docs

116
docs citations

116
times ranked

20669
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene regulation by long non-coding RNAs and its biological functions. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 96-118.	16.1	2,319
2	Circular Intronic Long Noncoding RNAs. <i>Molecular Cell</i> , 2013, 51, 792-806.	4.5	1,858
3	Complementary Sequence-Mediated Exon Circularization. <i>Cell</i> , 2014, 159, 134-147.	13.5	1,638
4	Regulation of circRNA biogenesis. <i>RNA Biology</i> , 2015, 12, 381-388.	1.5	1,525
5	The Biogenesis, Functions, and Challenges of Circular RNAs. <i>Molecular Cell</i> , 2018, 71, 428-442.	4.5	1,511
6	The biogenesis and emerging roles of circular RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 205-211.	16.1	1,377
7	Extensive translation of circular RNAs driven by N6-methyladenosine. <i>Cell Research</i> , 2017, 27, 626-641.	5.7	1,367
8	Cellular functions of long noncoding RNAs. <i>Nature Cell Biology</i> , 2019, 21, 542-551.	4.6	1,037
9	The expanding regulatory mechanisms and cellular functions of circular RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 475-490.	16.1	821
10	Linking Long Noncoding RNA Localization and Function. <i>Trends in Biochemical Sciences</i> , 2016, 41, 761-772.	3.7	814
11	Diverse alternative back-splicing and alternative splicing landscape of circular RNAs. <i>Genome Research</i> , 2016, 26, 1277-1287.	2.4	799
12	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, 467-478.	4.5	589
13	Human colorectal cancer-specific CCAT1-L lncRNA regulates long-range chromatin interactions at the MYC locus. <i>Cell Research</i> , 2014, 24, 513-531.	5.7	588
14	Structure and Degradation of Circular RNAs Regulate PKR Activation in Innate Immunity. <i>Cell</i> , 2019, 177, 865-880.e21.	13.5	543
15	Coordinated circRNA Biogenesis and Function with NF90/NF110 in Viral Infection. <i>Molecular Cell</i> , 2017, 67, 214-227.e7.	4.5	533
16	The Biogenesis of Nascent Circular RNAs. <i>Cell Reports</i> , 2016, 15, 611-624.	2.9	465
17	Long Noncoding RNAs with snoRNA Ends. <i>Molecular Cell</i> , 2012, 48, 219-230.	4.5	389
18	Genomewide characterization of non-polyadenylated RNAs. <i>Genome Biology</i> , 2011, 12, R16.	13.9	365

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19	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.	4.5	319
20	Circular RNAs: Characterization, cellular roles, and applications. <i>Cell</i> , 2022, 185, 2016-2034.	13.5	291
21	Alu element-mediated gene silencing. <i>EMBO Journal</i> , 2008, 27, 1694-1705.	3.5	290
22	The Diversity of Long Noncoding RNAs and Their Generation. <i>Trends in Genetics</i> , 2017, 33, 540-552.	2.9	265
23	Decoding the function of nuclear long non-coding RNAs. <i>Current Opinion in Cell Biology</i> , 2010, 22, 357-364.	2.6	240
24	Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 Systems. <i>Molecular Cell</i> , 2019, 76, 981-997.e7.	4.5	231
25	SLERT Regulates DDX21 Rings Associated with Pol I Transcription. <i>Cell</i> , 2017, 169, 664-678.e16.	13.5	205
26	Distinct Processing of lncRNAs Contributes to Non-conserved Functions in Stem Cells. <i>Cell</i> , 2020, 181, 621-636.e22.	13.5	192
27	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.	4.5	186
28	Screening for functional circular RNAs using the CRISPR-Cas13 system. <i>Nature Methods</i> , 2021, 18, 51-59.	9.0	179
29	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.	1.4	176
30	Increased complexity of circRNA expression during species evolution. <i>RNA Biology</i> , 2017, 14, 1064-1074.	1.5	166
31	Genome-wide screening of NEAT1 regulators reveals cross-regulation between paraspeckles and mitochondria. <i>Nature Cell Biology</i> , 2018, 20, 1145-1158.	4.6	124
32	Unusual Processing Generates SPA lncRNAs that Sequester Multiple RNA Binding Proteins. <i>Molecular Cell</i> , 2016, 64, 534-548.	4.5	123
33	ALU alternative Regulation for Gene Expression. <i>Trends in Cell Biology</i> , 2017, 27, 480-490.	3.6	108
34	N6-Methyladenosines Modulate A-to-I RNA Editing. <i>Molecular Cell</i> , 2018, 69, 126-135.e6.	4.5	108
35	Life without A tail: New formats of long noncoding RNAs. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 338-349.	1.2	104
36	Long noncoding RNAs in mammalian cells: what, where, and why?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 2-21.	3.2	99

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37	CircRNA-derived pseudogenes. <i>Cell Research</i> , 2016, 26, 747-750.	5.7	96
38	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. <i>Cell Stem Cell</i> , 2015, 17, 221-232.	5.2	91
39	Gene regulation by SINES and inosines: biological consequences of A-to-I editing of Alu element inverted repeats. <i>Cell Cycle</i> , 2008, 7, 3294-3301.	1.3	85
40	Protein arginine methyltransferase CARM1 attenuates the paraspeckle-mediated nuclear retention of mRNAs containing IR<i>Alu</i>s. <i>Genes and Development</i> , 2015, 29, 630-645.	2.7	80
41	lncRNA <i>SLERT</i> controls phase separation of FC/DFCs to facilitate Pol I transcription. <i>Science</i> , 2021, 373, 547-555.	6.0	80
42	A guide to naming human non-coding RNA genes. <i>EMBO Journal</i> , 2020, 39, e103777.	3.5	77
43	Biogenesis and Regulatory Roles of Circular RNAs. <i>Annual Review of Cell and Developmental Biology</i> , 2022, 38, 263-289.	4.0	75
44	ADAR1 is required for differentiation and neural induction by regulating microRNA processing in a catalytically independent manner. <i>Cell Research</i> , 2015, 25, 459-476.	5.7	73
45	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, 2631-2640.	2.9	66
46	Mechanisms of Long Noncoding RNA Nuclear Retention. <i>Trends in Biochemical Sciences</i> , 2020, 45, 947-960.	3.7	63
47	Functional Analysis of Long Noncoding RNAs in Development and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2014, 825, 129-158.	0.8	61
48	Molecular basis for an attenuated cytoplasmic dsRNA response in human embryonic stem cells. <i>Cell Cycle</i> , 2010, 9, 3552-3564.	1.3	59
49	RNA structure probing uncovers RNA structure-dependent biological functions. <i>Nature Chemical Biology</i> , 2021, 17, 755-766.	3.9	59
50	CIRCexplorer3: A CLEAR Pipeline for Direct Comparison of Circular and Linear RNA Expression. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 511-521.	3.0	55
51	Specificity for inhibitors of metal-substituted methionine aminopeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 172-179.	1.0	52
52	Characterization of Circular RNAs. <i>Methods in Molecular Biology</i> , 2016, 1402, 215-227.	0.4	52
53	RNA circles with minimized immunogenicity as potent PKR inhibitors. <i>Molecular Cell</i> , 2022, 82, 420-434.e6.	4.5	52
54	Processing and roles of snoRNA-ended long noncoding RNAs. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 596-606.	2.3	48

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55	SnoVectors for nuclear expression of RNA. <i>Nucleic Acids Research</i> , 2015, 43, e5-e5.	6.5	43
56	Linking circular intronic RNA degradation and function in transcription by RNase H1. <i>Science China Life Sciences</i> , 2021, 64, 1795-1809.	2.3	43
57	Species-specific alternative splicing leads to unique expression of sno-lncRNAs. <i>BMC Genomics</i> , 2014, 15, 287.	1.2	42
58	Genome-Wide Annotation of circRNAs and Their Alternative Back-Splicing/Splicing with CIRCexplorer Pipeline. <i>Methods in Molecular Biology</i> , 2019, 1870, 137-149.	0.4	41
59	Research progress of long noncoding RNA in China. <i>IUBMB Life</i> , 2016, 68, 887-893.	1.5	34
60	On the mechanism of induction of heterochromatin by the RNA-binding protein vigilin. <i>Rna</i> , 2008, 14, 1773-1781.	1.6	32
61	Prediction of constitutive A-to-I editing sites from human transcriptomes in the absence of genomic sequences. <i>BMC Genomics</i> , 2013, 14, 206.	1.2	32
62	Long noncoding RNA and protein abundance in lncRNPs. <i>Rna</i> , 2021, 27, 1427-1440.	1.6	31
63	The long noncoding RNA regulation at the MYC locus. <i>Current Opinion in Genetics and Development</i> , 2015, 33, 41-48.	1.5	26
64	Analysis of Rice Transcriptome Reveals the lncRNA/CircRNA Regulation in Tissue Development. <i>Rice</i> , 2021, 14, 14.	1.7	26
65	Characterization of Full Length and Truncated Type I Human Methionine Aminopeptidases Expressed from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2004, 43, 7892-7898.	1.2	25
66	Organization and function of paraspeckles. <i>Essays in Biochemistry</i> , 2020, 64, 875-882.	2.1	24
67	RNA-binding protein SAMD4 regulates skeleton development through translational inhibition of Mig6 expression. <i>Cell Discovery</i> , 2017, 3, 16050.	3.1	23
68	Enhancing the RNA engineering toolkit. <i>Science</i> , 2017, 358, 996-997.	6.0	21
69	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, 21128-21134.	1.6	19
70	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, 635-638.	1.0	19
71	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, 3732-3736.	1.0	18
72	CIRCexplorer pipelines for circRNA annotation and quantification from non-polyadenylated RNA-seq datasets. <i>Methods</i> , 2021, 196, 3-10.	1.9	18

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73	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, 4130-4135.	1.0	17
74	Gene expression profiling of non-polyadenylated RNA-seq across species. <i>Genomics Data</i> , 2014, 2, 237-241.	1.3	16
75	Fractionation of Non-polyadenylated and Ribosomal-Free RNAs from Mammalian Cells. <i>Methods in Molecular Biology</i> , 2015, 1206, 69-80.	0.4	16
76	Knockout of circRNAs by base editing back-splice sites of circularized exons. <i>Genome Biology</i> , 2022, 23, 16.	3.8	16
77	SCAPTURE: a deep learning-embedded pipeline that captures polyadenylation information from 3â€² tag-based RNA-seq of single cells. <i>Genome Biology</i> , 2021, 22, 221.	3.8	15
78	Microexons Go Big. <i>Cell</i> , 2014, 159, 1488-1489.	13.5	14
79	Expanded regulation of circular RNA translation. <i>Molecular Cell</i> , 2021, 81, 4111-4113.	4.5	13
80	Noncoding RNAs: biology and applicationsâ€™ a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 118-141.	1.8	13
81	Multi-color RNA imaging with CRISPR-Cas13b systems in living cells. , 2022, 1, 100044.		13
82	Nuclear Editing of mRNA 3â€²-UTRs. <i>Current Topics in Microbiology and Immunology</i> , 2011, 353, 111-121.	0.7	11
83	Screening circular RNAs with functional potential using the RfxCas13d/BSJ-gRNA system. <i>Nature Protocols</i> , 2022, 17, 2085-2107.	5.5	11
84	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, 639-644.	1.0	9
85	Design and synthesis of chromogenic thiopeptolide substrates as MetAPs active site probes. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 2853-2861.	1.4	8
86	Mapping circular RNA structures in living cells by SHAPE-MaP. <i>Methods</i> , 2021, 196, 47-55.	1.9	8
87	Characterization of Circular RNAs. <i>Methods in Molecular Biology</i> , 2021, 2372, 179-192.	0.4	8
88	Protocol for Dynamic Imaging of RNA in Living Cells by CRISPR-Cas13 System. <i>STAR Protocols</i> , 2020, 1, 100037.	0.5	7
89	Scientific migration of junior scientists to China. <i>Genome Biology</i> , 2014, 15, 119.	13.9	6
90	Understanding lncRNAâ€™ protein assemblies with imaging and single-molecule approaches. <i>Current Opinion in Genetics and Development</i> , 2022, 72, 128-137.	1.5	6

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91	Ling-Ling Chen: Linking Long Noncoding RNA Processing and Function to RNA Biology. Trends in Biochemical Sciences, 2016, 41, 733-734.	3.7	5
92	An optimized fixation method containing glyoxal and paraformaldehyde for imaging nuclear bodies. Rna, 2021, 27, 725-733.	1.6	5
93	Gear Up in Circles. Molecular Cell, 2015, 58, 715-717.	4.5	4
94	Shedding light on paraspeckle structure by super-resolution microscopy. Journal of Cell Biology, 2016, 214, 789-791.	2.3	3
95	Linking RNA Processing and Function. Cold Spring Harbor Symposia on Quantitative Biology, 2019, 84, 67-82.	2.0	3
96	LETN and NPM1 tango in human nucleoli. Cell Research, 2021, 31, 609-610.	5.7	3
97	Competition of RNA splicing: line in or circle up. Science China Life Sciences, 2014, 57, 1232-1233.	2.3	2
98	A two-fold challenge: the experience of women of color in genomics. Genome Biology, 2016, 17, 210.	3.8	1
99	A Role for A-to-I Editing in Gene Silencing. , 0, , 190-202.		0
100	A new class of intronâ€derived long noncoding RNAs. FASEB Journal, 2012, 26, 203.1.	0.2	0
101	7S RNA is surveilling mitochondrial DNA transcription. , 0, , .		0