

# Junchao Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3136843/publications.pdf>

Version: 2024-02-01

30  
papers

3,064  
citations

361413

20  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm tsRNAs contribute to intergenerational inheritance of an acquired metabolic disorder. <i>Science</i> , 2016, 351, 397-400.	12.6	1,042
2	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. <i>Nature Cell Biology</i> , 2018, 20, 535-540.	10.3	302
3	A novel class of tRNA-derived small RNAs extremely enriched in mature mouse sperm. <i>Cell Research</i> , 2012, 22, 1609-1612.	12.0	287
4	Sperm RNA code programmes the metabolic health of offspring. <i>Nature Reviews Endocrinology</i> , 2019, 15, 489-498.	9.6	152
5	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , 2021, 23, 424-436.	10.3	115
6	SPORTS1.0: A Tool for Annotating and Profiling Non-coding RNAs Optimized for rRNA- and tRNA-derived Small RNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 144-151.	6.9	102
7	Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. <i>Cell</i> , 2018, 175, 1887-1901.e18.	28.9	91
8	Identification and characterization of an ancient class of small RNAs enriched in serum associating with active infection. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 172-174.	3.3	86
9	BTG4 is a key regulator for maternal mRNA clearance during mouse early embryogenesis. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 366-368.	3.3	85
10	Origins and evolving functionalities of tRNA-derived small RNAs. <i>Trends in Biochemical Sciences</i> , 2021, 46, 790-804.	7.5	81
11	Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. <i>Development (Cambridge)</i> , 2015, 142, 3468-77.	2.5	75
12	Tracing the origin of heterogeneity and symmetry breaking in the early mammalian embryo. <i>Nature Communications</i> , 2018, 9, 1819.	12.8	72
13	Uterine Rbpj is required for embryonic-uterine orientation and decidual remodeling via Notch pathway-independent and -dependent mechanisms. <i>Cell Research</i> , 2014, 24, 925-942.	12.0	68
14	Exploring the expanding universe of small RNAs. <i>Nature Cell Biology</i> , 2022, 24, 415-423.	10.3	65
15	Potential Diagnostic Power of Blood Circular RNA Expression in Active Pulmonary Tuberculosis. <i>EBioMedicine</i> , 2018, 27, 18-26.	6.1	61
16	tsRNAs: The Swiss Army Knife for Translational Regulation. <i>Trends in Biochemical Sciences</i> , 2019, 44, 185-189.	7.5	61
17	BCAS2 is involved in alternative mRNA splicing in spermatogonia and the transition to meiosis. <i>Nature Communications</i> , 2017, 8, 14182.	12.8	53
18	Rat BodyMap transcriptomes reveal unique circular RNA features across tissue types and developmental stages. <i>Rna</i> , 2018, 24, 1443-1456.	3.5	50

#	ARTICLE	IF	CITATIONS
19	Small RNA modifications in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2020, 145, 105058.	4.4	40
20	Peripheral blood non-canonical small non-coding RNAs as novel biomarkers in lung cancer. <i>Molecular Cancer</i> , 2020, 19, 159.	19.2	36
21	Development of mouse preimplantation embryos in space. <i>National Science Review</i> , 2020, 7, 1437-1446.	9.5	20
22	Senescence of human skin-derived precursors regulated by Akt-FOXO3-p27KIP1/p15INK4b signaling. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 2949-2960.	5.4	19
23	Denosing Autoencoder, A Deep Learning Algorithm, Aids the Identification of A Novel Molecular Signature of Lung Adenocarcinoma. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 468-480.	6.9	18
24	Hormonal Regulation of Ovarian Bursa Fluid in Mice and Involvement of Aquaporins. <i>PLoS ONE</i> , 2013, 8, e63823.	2.5	17
25	tsRNAs: new players in mammalian retrotransposon control. <i>Cell Research</i> , 2017, 27, 1307-1308.	12.0	16
26	Cooperation-based sperm clusters mediate sperm oviduct entry and fertilization. <i>Protein and Cell</i> , 2021, 12, 810-817.	11.0	14
27	Noncoding RNAs: biology and applicationsâ€™ a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 118-141.	3.8	13
28	Caffeine consumption during early pregnancy impairs oviductal embryo transport, embryonic development and uterine receptivity in miceâ€™. <i>Biology of Reproduction</i> , 2018, 99, 1266-1275.	2.7	12
29	Molecular carriers of acquired inheritance: absence of evidence is not evidence of absence. <i>Environmental Epigenetics</i> , 2016, 2, dvw014.	1.8	6
30	Epigenetic information in gametes: Gaming from before fertilization. <i>Physics of Life Reviews</i> , 2017, 20, 146-149.	2.8	3