

# Qi Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

4,623  
citations

136950

32  
h-index

110387

64  
g-index

76  
all docs

76  
docs citations

76  
times ranked

5121  
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	Epigenetic inheritance of acquired traits through sperm RNAs and sperm RNA modifications. <i>Nature Reviews Genetics</i> , 2016, 17, 733-743.	16.3	427
3	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
4	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
5	Atg7 is required for acrosome biogenesis during spermatogenesis in mice. <i>Cell Research</i> , 2014, 24, 852-869.	12.0	213
6	Sperm RNA code programmes the metabolic health of offspring. <i>Nature Reviews Endocrinology</i> , 2019, 15, 489-498.	9.6	152
7	Aquaporin3 is a sperm water channel essential for postcopulatory sperm osmoadaptation and migration. <i>Cell Research</i> , 2011, 21, 922-933.	12.0	118
8	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
9	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
10	Embryo-uterine cross-talk during implantation: the role of Wnt signaling. <i>Molecular Human Reproduction</i> , 2009, 15, 215-221.	2.8	93
11	Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. <i>Cell</i> , 2018, 175, 1887-1901.e18.	28.9	91
12	Small RNA Modifications: Integral to Function and Disease. <i>Trends in Molecular Medicine</i> , 2016, 22, 1025-1034.	6.7	90
13	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
14	Origins and evolving functionalities of tRNA-derived small RNAs. <i>Trends in Biochemical Sciences</i> , 2021, 46, 790-804.	7.5	81
15	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
16	Tracing the origin of heterogeneity and symmetry breaking in the early mammalian embryo. <i>Nature Communications</i> , 2018, 9, 1819.	12.8	72
17	mTOR signaling promotes stem cell activation via counterbalancing BMP-mediated suppression during hair regeneration. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 62-72.	3.3	71
18	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

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19	Navigating the site for embryo implantation: Biomechanical and molecular regulation of intrauterine embryo distribution. <i>Molecular Aspects of Medicine</i> , 2013, 34, 1024-1042.	6.4	67
20	Exploring the expanding universe of small RNAs. <i>Nature Cell Biology</i> , 2022, 24, 415-423.	10.3	65
21	Wnt6 Is Essential for Stromal Cell Proliferation During Decidualization in Mice <sup>1</sup> . <i>Biology of Reproduction</i> , 2013, 88, 5.	2.7	63
22	tsRNAs: The Swiss Army Knife for Translational Regulation. <i>Trends in Biochemical Sciences</i> , 2019, 44, 185-189.	7.5	61
23	Dickkopf-1 secreted by decidual cells promotes trophoblast cell invasion during murine placentation. <i>Reproduction</i> , 2008, 135, 367-375.	2.6	52
24	Rat BodyMap transcriptomes reveal unique circular RNA features across tissue types and developmental stages. <i>Rna</i> , 2018, 24, 1443-1456.	3.5	50
25	Aquaporins in sperm osmoadaptation: an emerging role for volume regulation. <i>Acta Pharmacologica Sinica</i> , 2011, 32, 721-724.	6.1	49
26	Integral Proteomic Analysis of Blastocysts Reveals Key Molecular Machinery Governing Embryonic Diapause and Reactivation for Implantation in Mice <sup>1</sup> . <i>Biology of Reproduction</i> , 2014, 90, 52.	2.7	48
27	Transient $\beta$ -Adrenoceptor Activation Confers Pregnancy Loss by Disrupting Embryo Spacing at Implantation. <i>Journal of Biological Chemistry</i> , 2011, 286, 4349-4356.	3.4	44
28	Small RNA modifications in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2020, 145, 105058.	4.4	40
29	The Cytokine Gene CXCL14 Restricts Human Trophoblast Cell Invasion by Suppressing Gelatinase Activity. <i>Endocrinology</i> , 2009, 150, 5596-5605.	2.8	38
30	Peripheral blood non-canonical small non-coding RNAs as novel biomarkers in lung cancer. <i>Molecular Cancer</i> , 2020, 19, 159.	19.2	36
31	Aquaporin-dependent excessive intrauterine fluid accumulation is a major contributor in hyper-estrogen induced aberrant embryo implantation. <i>Cell Research</i> , 2015, 25, 139-142.	12.0	35
32	Impacts of Caffeine during Pregnancy. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 218-227.	7.1	34
33	Rotary Suspension Culture Enhances Mesendoderm Differentiation of Embryonic Stem Cells Through Modulation of Wnt/ $\beta$ -catenin Pathway. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 526-538.	5.6	33
34	CXCL14 inhibits trophoblast outgrowth via a paracrine/autocrine manner during early pregnancy in mice. <i>Journal of Cellular Physiology</i> , 2009, 221, 448-457.	4.1	30
35	CUL1 promotes trophoblast cell invasion at the maternal-fetal interface. <i>Cell Death and Disease</i> , 2013, 4, e502-e502.	6.3	28
36	150 years of Darwin's theory of intercellular flow of hereditary information. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 749-750.	37.0	27

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37	An ex vivo bladder model with detrusor smooth muscle removed to analyse biologically active mediators released from the suburothelium. <i>Journal of Physiology</i> , 2019, 597, 1467-1485.	2.9	24
38	Determinants of uterine aging: lessons from rodent models. <i>Science China Life Sciences</i> , 2012, 55, 687-693.	4.9	22
39	Development of mouse preimplantation embryos in space. <i>National Science Review</i> , 2020, 7, 1437-1446.	9.5	20
40	Denoising 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
41	Myeloid-specific deficiency of pregnane X receptor decreases atherosclerosis in LDL receptor-deficient mice. <i>Journal of Lipid Research</i> , 2020, 61, 696-706.	4.2	18
42	Adam12 plays a role during uterine decidualization in mice. <i>Cell and Tissue Research</i> , 2009, 338, 413-421.	2.9	17
43	Hormonal Regulation of Ovarian Bursa Fluid in Mice and Involvement of Aquaporins. <i>PLoS ONE</i> , 2013, 8, e63823.	2.5	17
44	Aquaporin 7 expression in postimplantation mouse uteri: a potential role for glycerol transport in uterine decidualization. <i>Fertility and Sterility</i> , 2011, 95, 1514-1517.e3.	1.0	16
45	Genetic deletion of Cxcl14 in mice alters uterine NK cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 664-670.	2.1	16
46	tsRNAs: new players in mammalian retrotransposon control. <i>Cell Research</i> , 2017, 27, 1307-1308.	12.0	16
47	Effects of Yak skin gelatin on platelet activation. <i>Food and Function</i> , 2019, 10, 3379-3385.	4.6	15
48	Noncoding RNAs: biology and applications—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 118-141.	3.8	13
49	Caffeine consumption during early pregnancy impairs oviductal embryo transport, embryonic development and uterine receptivity in mice. <i>Biology of Reproduction</i> , 2018, 99, 1266-1275.	2.7	12
50	A Twist between ROS and Sperm-Mediated Intergenerational Epigenetic Inheritance. <i>Molecular Cell</i> , 2020, 78, 371-373.	9.7	12
51	Paternal <i>USP26</i> mutations raise Klinefelter syndrome risk in the offspring of mice and humans. <i>EMBO Journal</i> , 2021, 40, e106864.	7.8	11
52	Rad9a is involved in chromatin decondensation and post-zygotic embryo development in mice. <i>Cell Death and Differentiation</i> , 2019, 26, 969-980.	11.2	10
53	The expanding repertoire of hereditary information carriers. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	9
54	Human sperm RNA code senses dietary sugar. <i>Nature Reviews Endocrinology</i> , 2020, 16, 200-201.	9.6	9

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55	Embryo implantation: A time for recalling and forwarding. <i>Science Bulletin</i> , 2009, 54, 4083-4093.	1.7	6
56	Frequent ejaculation associated free radical and lactic acid accumulation cause noninfectious inflammation and muscle dysfunction: A potential mechanism for symptoms in Chronic Prostatitis/Chronic Pelvic Pain Syndrome. <i>Medical Hypotheses</i> , 2009, 73, 372-373.	1.5	6
57	Expression and Regulation of Dickkopf2 During Periimplantation in Mice. <i>Journal of Reproduction and Development</i> , 2009, 55, 17-22.	1.4	6
58	Molecular carriers of acquired inheritance: absence of evidence is not evidence of absence. <i>Environmental Epigenetics</i> , 2016, 2, dvw014.	1.8	6
59	Effect of Short-Term Hypergravity Treatment on Mouse 2-Cell Embryo Development. <i>Microgravity Science and Technology</i> , 2015, 27, 465-471.	1.4	5
60	GPR39 is region-specifically expressed in mouse oviduct correlating with the Zn <sup>2+</sup> distribution. <i>Theriogenology</i> , 2017, 88, 98-105.	2.1	5
61	The damage effect of heat stress and psychological stress combined exposure on uterus in female rats. <i>Life Sciences</i> , 2021, 286, 120053.	4.3	4
62	Epigenetic information in gametes: Gaming from before fertilization. <i>Physics of Life Reviews</i> , 2017, 20, 146-149.	2.8	3
63	Premature ovarian failure, menopause and ovarian cancer, three nodes on the same string: Pten and other potential genes on the go. <i>Medical Hypotheses</i> , 2009, 73, 961-962.	1.5	2
64	A personalized image-guided intervention system for peripheral lung cancer on patient-specific respiratory motion model. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 1751-1764.	2.8	2
65	Targeting of $\hat{A}\langle T \hat{A} \rangle$ Lymphocytes against Human Hepatoma Cells by a Bispecific Monoclonal Antibody: Role of Different Lymphocyte Subsets. <i>Tumori</i> , 1992, 78, 79-86.	1.1	1
66	Effect of preparation method on physicochemical, scavenging, and proliferative properties of gelatin from Yak skin. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14884.	2.0	1
67	RNA Modification Signature of Peripheral Blood as a Potential Diagnostic Marker for Pulmonary Hypertension. <i>Hypertension</i> , 2022, 79, HYPERTENSIONAHA12118724.	2.7	1
68	Endocannabinoid Signaling in Modulating Periimplantation Events. <i>Reproduction and Contraception</i> , 2008, 19, 51-64.	0.1	0