Qi Chen

List of Publications by Year
in descending order

68	4,623	136950	110387
papers	citations	32 h-index	64 g-index

76	76	76	5121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RNA Modification Signature of Peripheral Blood as a Potential Diagnostic Marker for Pulmonary Hypertension. Hypertension, 2022, 79, HYPERTENSIONAHA12118724.	2.7	1
2	Exploring the expanding universe of small RNAs. Nature Cell Biology, 2022, 24, 415-423.	10.3	65
3	A personalized image-guided intervention system for peripheral lung cancer on patient-specific respiratory motion model. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1751-1764.	2.8	2
4	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. Nature Cell Biology, 2021, 23, 424-436.	10.3	115
5	Paternal USP26 mutations raise Klinefelter syndrome risk in the offspring of mice and humans. EMBO Journal, 2021, 40, e106864.	7.8	11
6	Origins and evolving functionalities of tRNA-derived small RNAs. Trends in Biochemical Sciences, 2021, 46, 790-804.	7.5	81
7	The damage effect of heat stress and psychological stress combined exposure on uterus in female rats. Life Sciences, 2021, 286, 120053.	4.3	4
8	Noncoding RNAs: biology and applicationsâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 118-141.	3.8	13
9	Impacts of Caffeine during Pregnancy. Trends in Endocrinology and Metabolism, 2020, 31, 218-227.	7.1	34
10	Peripheral blood non-canonical small non-coding RNAs as novel biomarkers in lung cancer. Molecular Cancer, 2020, 19, 159.	19.2	36
11	Small RNA modifications in Alzheimer's disease. Neurobiology of Disease, 2020, 145, 105058.	4.4	40
12	Effect of preparation method on physicochemical, scavenging, and proliferative properties of gelatin from Yak skin. Journal of Food Processing and Preservation, 2020, 44, e14884.	2.0	1
13	Denoising Autoencoder, A Deep Learning Algorithm, Aids the Identification of A Novel Molecular Signature of Lung Adenocarcinoma. Genomics, Proteomics and Bioinformatics, 2020, 18, 468-480.	6.9	18
14	A Twist between ROS and Sperm-Mediated Intergenerational Epigenetic Inheritance. Molecular Cell, 2020, 78, 371-373.	9.7	12
15	Myeloid-specific deficiency of pregnane X receptor decreases atherosclerosis in LDL receptor-deficient mice. Journal of Lipid Research, 2020, 61, 696-706.	4.2	18
16	Human sperm RNA code senses dietary sugar. Nature Reviews Endocrinology, 2020, 16, 200-201.	9.6	9
17	Development of mouse preimplantation embryos in space. National Science Review, 2020, 7, 1437-1446.	9.5	20
18	Rad9a is involved in chromatin decondensation and post-zygotic embryo development in mice. Cell Death and Differentiation, 2019, 26, 969-980.	11.2	10

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19	Sperm RNA code programmes the metabolic health of offspring. Nature Reviews Endocrinology, 2019, 15, 489-498.	9.6	152
20	Effects of Yak skin gelatin on platelet activation. Food and Function, 2019, 10, 3379-3385.	4.6	15
21	The expanding repertoire of hereditary information carriers. Development (Cambridge), 2019, 146, .	2.5	9
22	An exÂvivo bladder model with detrusor smooth muscle removed to analyse biologically active mediators released from the suburothelium. Journal of Physiology, 2019, 597, 1467-1485.	2.9	24
23	tsRNAs: The Swiss Army Knife for Translational Regulation. Trends in Biochemical Sciences, 2019, 44, 185-189.	7.5	61
24	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. Nature Cell Biology, 2018, 20, 535-540.	10.3	302
25	150 years of Darwinâ€™s theory of intercellular flow of hereditary information. Nature Reviews Molecular Cell Biology, 2018, 19, 749-750.	37.0	27
26	Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. Cell, 2018, 175, 1887-1901.e18.	28.9	91
27	Caffeine consumption during early pregnancy impairs oviductal embryo transport, embryonic development and uterine receptivity in miceâ€. Biology of Reproduction, 2018, 99, 1266-1275.	2.7	12
28	SPORTS1.0: A Tool for Annotating and Profiling Non-coding RNAs Optimized for rRNA- and tRNA-derived Small RNAs. Genomics, Proteomics and Bioinformatics, 2018, 16, 144-151.	6.9	102
29	Tracing the origin of heterogeneity and symmetry breaking in the early mammalian embryo. Nature Communications, 2018, 9, 1819.	12.8	72
30	Rat BodyMap transcriptomes reveal unique circular RNA features across tissue types and developmental stages. Rna, 2018, 24, 1443-1456.	3.5	50
31	Epigenetic information in gametes: Gaming from before fertilization. Physics of Life Reviews, 2017, 20, 146-149.	2.8	3
32	tsRNAs: new players in mammalian retrotransposon control. Cell Research, 2017, 27, 1307-1308.	12.0	16
33	GPR39 is region-specifically expressed in mouse oviduct correlating with the Zn2+ distribution. Theriogenology, 2017, 88, 98-105.	2.1	5
34	Molecular carriers of acquired inheritance: absence of evidence is not evidence of absence. Environmental Epigenetics, 2016, 2, dvw014.	1.8	6
35	Epigenetic inheritance of acquired traits through sperm RNAs and sperm RNA modifications. Nature Reviews Genetics, 2016, 17, 733-743.	16.3	427
36	Small RNA Modifications: Integral to Function and Disease. Trends in Molecular Medicine, 2016, 22, 1025-1034.	6.7	90

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37	Sperm tsRNAs contribute to intergenerational inheritance of an acquired metabolic disorder. Science, 2016, 351, 397-400.	12.6	1,042
38	mTOR signaling promotes stem cell activation via counterbalancing BMP-mediated suppression during hair regeneration. Journal of Molecular Cell Biology, 2015, 7, 62-72.	3.3	71
39	Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. Development (Cambridge), 2015, 142, 3468-77.	2.5	75
40	Effect of Short-Term Hypergravity Treatment on Mouse 2-Cell Embryo Development. Microgravity Science and Technology, 2015, 27, 465-471.	1.4	5
41	Aquaporin-dependent excessive intrauterine fluid accumulation is a major contributor in hyper-estrogen induced aberrant embryo implantation. Cell Research, 2015, 25, 139-142.	12.0	35
42	Identification and characterization of an ancient class of small RNAs enriched in serum associating with active infection. Journal of Molecular Cell Biology, 2014, 6, 172-174.	3.3	86
43	Integral Proteomic Analysis of Blastocysts Reveals Key Molecular Machinery Governing Embryonic Diapause and Reactivation for Implantation in Mice1. Biology of Reproduction, 2014, 90, 52.	2.7	48
44	Rotary Suspension Culture Enhances Mesendoderm Differentiation of Embryonic Stem Cells Through Modulation of Wnt/Î²-catenin Pathway. Stem Cell Reviews and Reports, 2014, 10, 526-538.	5.6	33
45	Uterine Rbpj is required for embryonic-uterine orientation and decidual remodeling via Notch pathway-independent and -dependent mechanisms. Cell Research, 2014, 24, 925-942.	12.0	68
46	Atg7 is required for acrosome biogenesis during spermatogenesis in mice. Cell Research, 2014, 24, 852-869.	12.0	213
47	Navigating the site for embryo implantation: Biomechanical and molecular regulation of intrauterine embryo distribution. Molecular Aspects of Medicine, 2013, 34, 1024-1042.	6.4	67
48	Genetic deletion of Cxcl14 in mice alters uterine NK cells. Biochemical and Biophysical Research Communications, 2013, 435, 664-670.	2.1	16
49	Wnt6 Is Essential for Stromal Cell Proliferation During Decidualization in Mice1. Biology of Reproduction, 2013, 88, 5.	2.7	63
50	CUL1 promotes trophoblast cell invasion at the maternalâ€“fetal interface. Cell Death and Disease, 2013, 4, e502-e502.	6.3	28
51	Hormonal Regulation of Ovarian Bursa Fluid in Mice and Involvement of Aquaporins. PLoS ONE, 2013, 8, e63823.	2.5	17
52	A novel class of tRNA-derived small RNAs extremely enriched in mature mouse sperm. Cell Research, 2012, 22, 1609-1612.	12.0	287
53	Determinants of uterine aging: lessons from rodent models. Science China Life Sciences, 2012, 55, 687-693.	4.9	22
54	Aquaporin 7 expression in postimplantation mouse uteri: a potential role for glycerol transport in uterine decidualization. Fertility and Sterility, 2011, 95, 1514-1517.e3.	1.0	16

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55	Aquaporin3 is a sperm water channel essential for postcopulatory sperm osmoadaptation and migration. Cell Research, 2011, 21, 922-933.	12.0	118
56	Transient Î²2-Adrenoceptor Activation Confers Pregnancy Loss by Disrupting Embryo Spacing at Implantation. Journal of Biological Chemistry, 2011, 286, 4349-4356.	3.4	44
57	Aquaporins in sperm osmoadaptation: an emerging role for volume regulation. Acta Pharmacologica Sinica, 2011, 32, 721-724.	6.1	49
58	The Cytokine Gene CXCL14 Restricts Human Trophoblast Cell Invasion by Suppressing Gelatinase Activity. Endocrinology, 2009, 150, 5596-5605.	2.8	38
59	CXCL14 inhibits trophoblast outgrowth via a paracrine/autocrine manner during early pregnancy in mice. Journal of Cellular Physiology, 2009, 221, 448-457.	4.1	30
60	Adam12 plays a role during uterine decidualization in mice. Cell and Tissue Research, 2009, 338, 413-421.	2.9	17
61	Embryo implantation: A time for recalling and forwarding. Science Bulletin, 2009, 54, 4083-4093.	1.7	6
62	Embryo-uterine cross-talk during implantation: the role of Wnt signaling. Molecular Human Reproduction, 2009, 15, 215-221.	2.8	93
63	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. Medical Hypotheses, 2009, 73, 372-373.	1.5	6
64	Premature ovarian failure, menopause and ovarian cancer, three nodes on the same string: Pten and other potential genes on the go. Medical Hypotheses, 2009, 73, 961-962.	1.5	2
65	Expression and Regulation of Dickkopf2 During Periimplantation in Mice. Journal of Reproduction and Development, 2009, 55, 17-22.	1.4	6
66	Endocannabinoid Signaling in Modulating Periimplantation Events. Reproduction and Contraception, 2008, 19, 51-64.	0.1	0
67	Dickkopf-1 secreted by decidual cells promotes trophoblast cell invasion during murine placentation. Reproduction, 2008, 135, 367-375.	2.6	52
68	Targeting of Â«TÂ» Lymphocytes against Human Hepatoma Cells by a Bispecific Monoclonal Antibody: Role of Different Lymphocyte Subsets. Tumori, 1992, 78, 79-86.	1.1	1