

# Wenjie Shu

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,253  
citations

686830

13  
h-index

580395

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning and Its Applications in Biomedicine. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 17-32.	3.0	420
2	BiRen: predicting enhancers with a deep-learning-based model using the DNA sequence alone. <i>Bioinformatics</i> , 2017, 33, 1930-1936.	1.8	121
3	Embryonic defects induced by maternal obesity in mice derive from Stella insufficiency in oocytes. <i>Nature Genetics</i> , 2018, 50, 432-442.	9.4	112
4	PEDLA: predicting enhancers with a deep learning-based algorithmic framework. <i>Scientific Reports</i> , 2016, 6, 28517.	1.6	88
5	Characterization of Metabolic Patterns in Mouse Oocytes during Meiotic Maturation. <i>Molecular Cell</i> , 2020, 80, 525-540.e9.	4.5	74
6	Oocyte competence is maintained by m6A methyltransferase KIAA1429-mediated RNA metabolism during mouse follicular development. <i>Cell Death and Differentiation</i> , 2020, 27, 2468-2483.	5.0	70
7	METTL3-mediated m <sup>6</sup> A is required for murine oocyte maturation and maternal-to-zygotic transition. <i>Cell Cycle</i> , 2020, 19, 391-404.	1.3	69
8	<i>DeNovo</i> identification of replication-timing domains in the human genome by deep learning. <i>Bioinformatics</i> , 2016, 32, 641-649.	1.8	48
9	An integrative analysis of TFBS-clustered regions reveals new transcriptional regulation models on the accessible chromatin landscape. <i>Scientific Reports</i> , 2015, 5, 8465.	1.6	41
10	Functional annotation of structural ncRNAs within enhancer RNAs in the human genome: implications for human disease. <i>Scientific Reports</i> , 2017, 7, 15518.	1.6	26
11	Lnc2Atlas: an atlas of long noncoding RNAs associated with risk of cancers. <i>Scientific Reports</i> , 2018, 8, 1909.	1.6	26
12	Functional annotation of HOT regions in the human genome: implications for human disease and cancer. <i>Scientific Reports</i> , 2015, 5, 11633.	1.6	24
13	Differential roles of Stella in the modulation of DNA methylation during oocyte and zygotic development. <i>Cell Discovery</i> , 2019, 5, 9.	3.1	19
14	High-resolution annotation of the mouse preimplantation embryo transcriptome using long-read sequencing. <i>Nature Communications</i> , 2020, 11, 2653.	5.8	17
15	Accurate identification of RNA editing sites from primitive sequence with deep neural networks. <i>Scientific Reports</i> , 2018, 8, 6005.	1.6	16
16	The landscape of the A-to-I RNA editome from 462 human genomes. <i>Scientific Reports</i> , 2018, 8, 12069.	1.6	15
17	Single-cell RNA-seq reveals a highly coordinated transcriptional program in mouse germ cells during primordial follicle formation. <i>Aging Cell</i> , 2021, 20, e13424.	3.0	15
18	Integrative proteome analysis implicates aberrant RNA splicing in impaired developmental potential of aged mouse oocytes. <i>Aging Cell</i> , 2021, 20, e13482.	3.0	12

#	ARTICLE	IF	CITATIONS
19	Genome-wide identification and characterisation of HOT regions in the human genome. BMC Genomics, 2016, 17, 733.	1.2	11
20	LIVE: a manually curated encyclopedia of experimentally validated interactions of lncRNAs. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	8
21	Cytosine and adenine deaminase base-editors induce broad and nonspecific changes in gene expression and splicing. Communications Biology, 2021, 4, 882.	2.0	5
22	Computing configuration space obstacles using polynomial transforms. , 2004, , .		2
23	PERFORMANCE ANALYSIS OF KALMAN-BASED FILTERS AND PARTICLE FILTERS FOR NON-LINEAR/NON-GAUSSIAN BAYESIAN TRACKING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1131-1136.	0.4	2
24	Neural dual particle filter and its application in speech enhancement. , 0, , .		2
25	iFORM: Incorporating Find Occurrence of Regulatory Motifs. PLoS ONE, 2016, 11, e0168607.	1.1	2
26	UNSCENTED TRANSFORM AND ITS APPLICATION IN ATC TRACKING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1137-1142.	0.4	0