

# Erwei Zuo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

1,047  
citations

11  
h-index

28  
g-index

28  
ext. papers

1,427  
ext. citations

14.5  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
25	Treatment of autosomal recessive hearing loss via in vivo CRISPR/Cas9-mediated optimized homology-directed repair in mice.. <i>Cell Research</i> , <b>2022</b> ,	24.7	0
24	Mitochondrial base editor DdCBE causes substantial DNA off-target editing in nuclear genome of embryos.. <i>Cell Discovery</i> , <b>2022</b> , 8, 27	22.3	4
23	Indiscriminate ssDNA cleavage activity of CRISPR-Cas12a induces no detectable off-target effects in mouse embryos. <i>Protein and Cell</i> , <b>2021</b> , 12, 741-745	7.2	5
22	The advancements, challenges, and future implications of the CRISPR/Cas9 system in swine research. <i>Journal of Genetics and Genomics</i> , <b>2021</b> , 48, 347-360	4	2
21	Optimization of C-to-G base editors with sequence context preference predictable by machine learning methods. <i>Nature Communications</i> , <b>2021</b> , 12, 4902	17.4	5
20	The Potential of CRISPR/Cas9 Gene Editing as a Treatment Strategy for Inherited Diseases.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 699597	5.7	2
19	A rationally engineered cytosine base editor retains high on-target activity while reducing both DNA and RNA off-target effects. <i>Nature Methods</i> , <b>2020</b> , 17, 600-604	21.6	47
18	Base editing-mediated splicing correction therapy for spinal muscular atrophy. <i>Cell Research</i> , <b>2020</b> , 30, 548-550	24.7	18
17	Programmable C-to-U RNA editing using the human APOBEC3A deaminase. <i>EMBO Journal</i> , <b>2020</b> , 39, e104741	13	7
16	Anti-silencing factor 1A is associated with genome stability maintenance of mouse preimplantation embryos <i>Biology of Reproduction</i> , <b>2020</b> , 102, 817-827	3.9	1
15	Single C-to-T substitution using engineered APOBEC3G-nCas9 base editors with minimum genome- and transcriptome-wide off-target effects. <i>Science Advances</i> , <b>2020</b> , 6, eaba1773	14.3	22
14	GOTI, a method to identify genome-wide off-target effects of genome editing in mouse embryos. <i>Nature Protocols</i> , <b>2020</b> , 15, 3009-3029	18.8	11
13	Disruption of splicing-regulatory elements using CRISPR/Cas9 to rescue spinal muscular atrophy in human iPSCs and mice. <i>National Science Review</i> , <b>2020</b> , 7, 92-101	10.8	7
12	Identification of the Sex of Pre-implantation Mouse Embryos Using a Marked Y Chromosome and CRISPR/Cas9. <i>Scientific Reports</i> , <b>2019</b> , 9, 14315	4.9	5
11	PHF7 is a novel histone H2A E3 ligase prior to histone-to-protamine exchange during spermiogenesis. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	16
10	Cytosine base editor generates substantial off-target single-nucleotide variants in mouse embryos. <i>Science</i> , <b>2019</b> , 364, 289-292	33.3	381
9	Off-target RNA mutation induced by DNA base editing and its elimination by mutagenesis. <i>Nature</i> , <b>2019</b> , 571, 275-278	50.4	207

8	Advances in detecting and reducing off-target effects generated by CRISPR-mediated genome editing. <i>Journal of Genetics and Genomics</i> , <b>2019</b> , 46, 513-521	4	30
7	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development. <i>Cell Research</i> , <b>2017</b> , 27, 815-829	24.7	23
6	One-step generation of complete gene knockout mice and monkeys by CRISPR/Cas9-mediated gene editing with multiple sgRNAs. <i>Cell Research</i> , <b>2017</b> , 27, 933-945	24.7	110
5	CRISPR/Cas9-mediated targeted chromosome elimination. <i>Genome Biology</i> , <b>2017</b> , 18, 224	18.3	93
4	In vitro development of porcine transgenic nuclear-transferred embryos derived from newborn Guangxi Bama mini-pig kidney fibroblasts. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2014</b> , 50, 811-21	2.6	6
3	The roles of testicular c-kit positive cells in de novo morphogenesis of testis. <i>Scientific Reports</i> , <b>2014</b> , 4, 5936	4.9	29
2	High-fidelity base editor with no detectable genome-wide off-target effects		5
1	Base editing generates substantial off-target single nucleotide variants		9