

Zhiquan Liu

List of Publications by Citations

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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.

32
papers

309
citations

11
h-index

16
g-index

37
ext. papers

468
ext. citations

9.2
avg, IF

3.61
L-index

#	Paper	IF	Citations
32	Highly efficient RNA-guided base editing in rabbit. <i>Nature Communications</i> , 2018 , 9, 2717	17.4	80
31	CRISPR-induced exon skipping is dependent on premature termination codon mutations. <i>Genome Biology</i> , 2018 , 19, 164	18.3	24
30	Improved base editor for efficient editing in GC contexts in rabbits with an optimized AID-Cas9 fusion. <i>FASEB Journal</i> , 2019 , 33, 9210-9219	0.9	16
29	CRISPR/Cas9-mediated mutation of tyrosinase (Tyr) 3WJTR induce graying in rabbit. <i>Scientific Reports</i> , 2017 , 7, 1569	4.9	14
28	Efficient base editing with high precision in rabbits using YFE-BE4max. <i>Cell Death and Disease</i> , 2020 , 11, 36	9.8	14
27	Precise base editing with CC context-specificity using engineered human APOBEC3G-nCas9 fusions. <i>BMC Biology</i> , 2020 , 18, 111	7.3	14
26	Efficient base editing by RNA-guided cytidine base editors (CBEs) in pigs. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 719-733	10.3	13
25	Efficient and precise base editing in rabbits using human APOBEC3A-nCas9 fusions. <i>Cell Discovery</i> , 2019 , 5, 31	22.3	12
24	Large-Fragment Deletions Induced by Cas9 Cleavage while Not in the BEs System. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 21, 523-526	10.7	12
23	Efficient base editing with expanded targeting scope using an engineered Spy-mac Cas9 variant. <i>Cell Discovery</i> , 2019 , 5, 58	22.3	12
22	The disrupted balance between hair follicles and sebaceous glands in Hoxc13-ablated rabbits. <i>FASEB Journal</i> , 2019 , 33, 1226-1234	0.9	11
21	Highly efficient base editing with expanded targeting scope using SpCas9-NG in rabbits. <i>FASEB Journal</i> , 2020 , 34, 588-596	0.9	11
20	Mutations of GADD45G in rabbits cause cleft lip by the disorder of proliferation, apoptosis and epithelial-mesenchymal transition (EMT). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2356-2367	6.9	9
19	Efficient and high-fidelity base editor with expanded PAM compatibility for cytidine dinucleotide. <i>Science China Life Sciences</i> , 2021 , 64, 1355-1367	8.5	9
18	Impact factors on the production of βmethylamino-L-alanine (BMAA) by cyanobacteria. <i>Chemosphere</i> , 2020 , 243, 125355	8.4	8
17	CRISPR Start-Loss: A Novel and Practical Alternative for Gene Silencing through Base-Editing-Induced Start Codon Mutations. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 21, 1062-1073	10.7	7
16	Formation kinetics of disinfection byproducts in algal-laden water during chlorination: A new insight into evaluating disinfection formation risk. <i>Environmental Pollution</i> , 2019 , 245, 63-70	9.3	7

15	Expanded targeting scope and enhanced base editing efficiency in rabbit using optimized xCas9(3.7). <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 4155-4164	10.3	6
14	Highly precise base editing with CC context-specificity using engineered human APOBEC3G-nCas9 fusions		6
13	AcrIIA5 Suppresses Base Editors and Reduces Their Off-Target Effects. <i>Cells</i> , 2020 , 9,	7.9	6
12	Emerging investigator series: engineering membrane distillation with nanofabrication: design, performance and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1786-1793	4.2	5
11	Efficient and precise generation of Tay-Sachs disease model in rabbit by prime editing system. <i>Cell Discovery</i> , 2021 , 7, 50	22.3	4
10	Disruption of NNAT, NAP1L5 and MKRN3 DNA methylation and transcription in rabbit parthenogenetic fetuses. <i>Gene</i> , 2017 , 626, 158-162	3.8	2
9	Efficient C-to-G Base Editing with Improved Target Compatibility Using Engineered Deaminase-nCas9 Fusions.. <i>CRISPR Journal</i> , 2022 ,	2.5	2
8	DNA methylation-mediated silencing of FLT1 in parthenogenetic porcine placentas. <i>Placenta</i> , 2017 , 58, 86-89	3.4	1
7	Robustly improved base editing efficiency of Cpf1 base editor using optimized cytidine deaminases. <i>Cell Discovery</i> , 2020 , 6, 62	22.3	1
6	Reduced off-target effect of NG-BE4max by using NG-HiFi system. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 25, 168-172	10.7	1
5	Live imaging of RNA and RNA splicing in mammalian cells via the dcas13a-SunTag-BiFC system.. <i>Biosensors and Bioelectronics</i> , 2022 , 204, 114074	11.8	0
4	Effects and mechanism on the removal of neurotoxin β N-methylamino-l-alanine (BMAA) by chlorination. <i>Science of the Total Environment</i> , 2020 , 703, 135513	10.2	0
3	Degradation mechanisms of cyanobacteria neurotoxin β N-methylamino-l-alanine (BMAA) during UV/HO process: Kinetics and pathways.. <i>Chemosphere</i> , 2022 , 302, 134939	8.4	0
2	Identification of differentially methylated regions (DMRs) of neuronatin in mice. <i>SpringerPlus</i> , 2016 , 5, 2018		
1	Inhibition of base editors with anti-deaminases derived from viruses.. <i>Nature Communications</i> , 2022 , 13, 597	17.4	