Zhiquan Liu

List of Publications by Year in Descending Order

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	Inhibition of base editors with anti-deaminases derived from viruses.. *Nature Communications*, **2022**, 13, 597	17.4	
31	Live imaging of RNA and RNA splicing in mammalian cells via the dcas13a-SunTag-BiFC system.. *Biosensors and Bioelectronics*, **2022**, 204, 114074	11.8	0
30	Efficient C-to-G Base Editing with Improved Target Compatibility Using Engineered Deaminase-nCas9 Fusions.. *CRISPR Journal*, **2022**,	2.5	2
29	Degradation mechanisms of cyanobacteria neurotoxin β-N-methylamino-l-alanine (BMAA) during UV/HO process: Kinetics and pathways.. *Chemosphere*, **2022**, 302, 134939	8.4	0
28	Efficient and precise generation of Tay-Sachs disease model in rabbit by prime editing system. *Cell Discovery*, **2021**, 7, 50	22.3	4
27	Efficient and high-fidelity base editor with expanded PAM compatibility for cytidine dinucleotide. *Science China Life Sciences*, **2021**, 64, 1355-1367	8.5	9
26	Reduced off-target effect of NG-BE4max by using NG-HiFi system. *Molecular Therapy - Nucleic Acids*, **2021**, 25, 168-172	10.7	1
25	Emerging investigator series: engineering membrane distillation with nanofabrication: design, performance and mechanisms. *Environmental Science: Water Research and Technology*, **2020**, 6, 1786-1793	4.2	5
24	Efficient base editing with high precision in rabbits using YFE-BE4max. *Cell Death and Disease*, **2020**, 11, 36	9.8	14
23	Impact factors on the production of β-methylamino-L-alanine (BMAA) by cyanobacteria. *Chemosphere*, **2020**, 243, 125355	8.4	8
22	Highly efficient base editing with expanded targeting scope using SpCas9-NG in rabbits. *FASEB Journal*, **2020**, 34, 588-596	0.9	11
21	Effects and mechanism on the removal of neurotoxin β-N-methylamino-l-alanine (BMAA) by chlorination. *Science of the Total Environment*, **2020**, 703, 135513	10.2	0
20	Robustly improved base editing efficiency of Cpf1 base editor using optimized cytidine deaminases. *Cell Discovery*, **2020**, 6, 62	22.3	1
19	AcrIIA5 Suppresses Base Editors and Reduces Their Off-Target Effects. *Cells*, **2020**, 9,	7.9	6
18	CRISPR Start-Loss: A Novel and Practical Alternative for Gene Silencing through Base-Editing-Induced Start Codon Mutations. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 1062-1073	10.7	7
17	Large-Fragment Deletions Induced by Cas9 Cleavage while Not in the BEs System. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 523-526	10.7	12
16	Precise base editing with CC context-specificity using engineered human APOBEC3G-nCas9 fusions. *BMC Biology*, **2020**, 18, 111	7.3	14

15	Efficient base editing by RNA-guided cytidine base editors (CBEs) in pigs. *Cellular and Molecular Life Sciences*, **2020**, 77, 719-733	10.3	13
14	Mutations of GADD45G in rabbits cause cleft lip by the disorder of proliferation, apoptosis and epithelial-mesenchymal transition (EMT). *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 2356-2367	6.9	9
13	Efficient and precise base editing in rabbits using human APOBEC3A-nCas9 fusions. *Cell Discovery*, **2019**, 5, 31	22.3	12
12	Improved base editor for efficient editing in GC contexts in rabbits with an optimized AID-Cas9 fusion. *FASEB Journal*, **2019**, 33, 9210-9219	0.9	16
11	Expanded targeting scope and enhanced base editing efficiency in rabbit using optimized xCas9(3.7). *Cellular and Molecular Life Sciences*, **2019**, 76, 4155-4164	10.3	6
10	The disrupted balance between hair follicles and sebaceous glands in Hoxc13-ablated rabbits. *FASEB Journal*, **2019**, 33, 1226-1234	0.9	11
9	Efficient base editing with expanded targeting scope using an engineered Spy-mac Cas9 variant. *Cell Discovery*, **2019**, 5, 58	22.3	12
8	Formation kinetics of disinfection byproducts in algal-laden water during chlorination: A new insight into evaluating disinfection formation risk. *Environmental Pollution*, **2019**, 245, 63-70	9.3	7
7	Highly efficient RNA-guided base editing in rabbit. *Nature Communications*, **2018**, 9, 2717	17.4	80
6	CRISPR-induced exon skipping is dependent on premature termination codon mutations. *Genome Biology*, **2018**, 19, 164	18.3	24
5	CRISPR/Cas9-mediated mutation of tyrosinase (Tyr) 3′UTR induce graying in rabbit. *Scientific Reports*, **2017**, 7, 1569	4.9	14
4	Disruption of NNAT, NAP1L5 and MKRN3 DNA methylation and transcription in rabbit parthenogenetic fetuses. *Gene*, **2017**, 626, 158-162	3.8	2
3	DNA methylation-mediated silencing of FLT1 in parthenogenetic porcine placentas. *Placenta*, **2017**, 58, 86-89	3.4	1
2	Identification of differentially methylated regions (DMRs) of neuronatin in mice. *SpringerPlus*, **2016**, 5, 2018		
1	Highly precise base editing with CC context-specificity using engineered human APOBEC3G-nCas9 fusions		6