Yidi Sun

List of Publications by Citations

28 papers	1,329 citations	12 h-index	28 g-index
28 ext. papers	1,881 ext. citations	15.6 avg, IF	4.45 L-index

#	Paper	IF	Citations
28	Cytosine base editor generates substantial off-target single-nucleotide variants in mouse embryos. *Science*, **2019**, 364, 289-292	33.3	381
27	Off-target RNA mutation induced by DNA base editing and its elimination by mutagenesis. *Nature*, **2019**, 571, 275-278	50.4	207
26	Glia-to-Neuron Conversion by CRISPR-CasRx Alleviates Symptoms of Neurological Disease in Mice. *Cell*, **2020**, 181, 590-603.e16	56.2	134
25	In vivo simultaneous transcriptional activation of multiple genes in the brain using CRISPR-dCas9-activator transgenic mice. *Nature Neuroscience*, **2018**, 21, 440-446	25.5	124
24	One-step generation of complete gene knockout mice and monkeys by CRISPR/Cas9-mediated gene editing with multiple sgRNAs. *Cell Research*, **2017**, 27, 933-945	24.7	110
23	CRISPR/Cas9-mediated targeted chromosome elimination. *Genome Biology*, **2017**, 18, 224	18.3	93
22	A rationally engineered cytosine base editor retains high on-target activity while reducing both DNA and RNA off-target effects. *Nature Methods*, **2020**, 17, 600-604	21.6	47
21	Highly efficient base editing in human tripronuclear zygotes. *Protein and Cell*, **2017**, 8, 772-775	7.2	44
20	Integrated Omics of Metastatic Colorectal Cancer. *Cancer Cell*, **2020**, 38, 734-747.e9	24.3	38
19	Global Prioritizing Disease Candidate lncRNAs via a Multi-level Composite Network. *Scientific Reports*, **2017**, 7, 39516	4.9	35
18	Single C-to-T substitution using engineered APOBEC3G-nCas9 base editors with minimum genome- and transcriptome-wide off-target effects. *Science Advances*, **2020**, 6, eaba1773	14.3	22
17	Human cleaving embryos enable robust homozygotic nucleotide substitutions by base editors. *Genome Biology*, **2019**, 20, 101	18.3	16
16	GOTI, a method to identify genome-wide off-target effects of genome editing in mouse embryos. *Nature Protocols*, **2020**, 15, 3009-3029	18.8	11
15	In vivo ectopic Ngn1 and Neurod1 convert neonatal cochlear glial cells into spiral ganglion neurons. *FASEB Journal*, **2020**, 34, 4764-4782	0.9	8
14	Programmable C-to-U RNA editing using the human APOBEC3A deaminase. *EMBO Journal*, **2020**, 39, e104741	13	7
13	The Safety of Ovarian Preservation in Stage I Endometrial Endometrioid Adenocarcinoma Based on Propensity Score Matching. *Combinatorial Chemistry and High Throughput Screening*, **2017**, 20, 647-655	1.3	7
12	Disruption of splicing-regulatory elements using CRISPR/Cas9 to rescue spinal muscular atrophy in human iPSCs and mice. *National Science Review*, **2020**, 7, 92-101	10.8	7

List of Publications

11	Systematic analysis reveals molecular characteristics of ERG-negative prostate cancer. *Scientific Reports*, **2018**, 8, 12868	4.9	7
10	Endogenous promoter-driven sgRNA for monitoring the expression of low-abundance transcripts and lncRNAs. *Nature Cell Biology*, **2021**, 23, 99-108	23.4	6
9	Integrative analysis reveals novel driver genes and molecular subclasses of hepatocellular carcinoma. *Aging*, **2020**, 12, 23849-23871	5.6	5
8	High-fidelity base editor with no detectable genome-wide off-target effects		5
7	Indiscriminate ssDNA cleavage activity of CRISPR-Cas12a induces no detectable off-target effects in mouse embryos. *Protein and Cell*, **2021**, 12, 741-745	7.2	5
6	Optimization of C-to-G base editors with sequence context preference predictable by machine learning methods. *Nature Communications*, **2021**, 12, 4902	17.4	5
5	Postoperative chemotherapy had no prognostic effect on early-staged young ovarian cancer with unilateral resection. *Cancer Medicine*, **2018**, 7, 5488-5496	4.8	3
4	Reconstruction of kidney renal clear cell carcinoma evolution across pathological stages. *Scientific Reports*, **2018**, 8, 3339	4.9	2
3	Perfecting Targeting in CRISPR. *Annual Review of Genetics*, **2021**, 55, 453-477	14.5	0
2	Effects of gut microbiota and fatty acid metabolism on dyslipidemia following weight-loss diets in women: Results from a randomized controlled trial. *Clinical Nutrition*, **2021**, 40, 5511-5520	5.9	0
1	Kinase-substrate Edge Biomarkers Provide a More Accurate Prognostic Prediction in ER-negative Breast Cancer. *Genomics, Proteomics and Bioinformatics*, **2020**, 18, 525-538	6.5	