Daesik Kim

List of Publications by Year in Descending Order

29 papers	4,950 citations	22 h-index	29 g-index
29 ext. papers	6,227 ext. citations	23.8 avg, IF	5.78 L-index

#	Paper	IF	Citations
29	Identifying genome-wide off-target sites of CRISPR RNA-guided nucleases and deaminases with Digenome-seq. *Nature Protocols*, **2021**, 16, 1170-1192	18.8	4
28	Application of prime editing to the correction of mutations and phenotypes in adult mice with liver and eye diseases. *Nature Biomedical Engineering*, **2021**,	19	18
27	Efficient CRISPR editing with a hypercompact Cas12f1 and engineered guide RNAs delivered by adeno-associated virus. *Nature Biotechnology*, **2021**,	44.5	13
26	Highly efficient and safe genome editing by CRISPR-Cas12a using CRISPR RNA with a ribosyl-2′O-methylated uridinylate-rich 3′overhang in mouse zygotes. *Experimental and Molecular Medicine*, **2020**, 52, 1823-1830	12.8	3
25	Protein Kinase A Catalytic Subunit Is a Molecular Switch that Promotes the Pro-tumoral Function of Macrophages. *Cell Reports*, **2020**, 31, 107643	10.6	5
24	Genome-wide specificity of dCpf1 cytidine base editors. *Nature Communications*, **2020**, 11, 4072	17.4	7
23	Unbiased investigation of specificities of prime editing systems in human cells. *Nucleic Acids Research*, **2020**, 48, 10576-10589	20.1	48
22	Evaluating and Enhancing Target Specificity of Gene-Editing Nucleases and Deaminases. *Annual Review of Biochemistry*, **2019**, 88, 191-220	29.1	69
21	Genome-wide target specificity of CRISPR RNA-guided adenine base editors. *Nature Biotechnology*, **2019**, 37, 430-435	44.5	98
20	Response to "Unexpected mutations after CRISPR-Cas9 editing in vivo". *Nature Methods*, **2018**, 15, 239-240	26.6	22
19	Functional Rescue of Dystrophin Deficiency in Mice Caused by Frameshift Mutations Using Campylobacter jejuni Cas9. *Molecular Therapy*, **2018**, 26, 1529-1538	11.7	45
18	Long Terminal Repeat CRISPR-CAR-Coupled "Universal" T Cells Mediate Potent Anti-leukemic Effects. *Molecular Therapy*, **2018**, 26, 1215-1227	11.7	68
17	Directed evolution of CRISPR-Cas9 to increase its specificity. *Nature Communications*, **2018**, 9, 3048	17.4	220
16	CRISPR-LbCpf1 prevents choroidal neovascularization in a mouse model of age-related macular degeneration. *Nature Communications*, **2018**, 9, 1855	17.4	52
15	Ma et al. reply. *Nature*, **2018**, 560, E10-E23	50.4	27
14	DIG-seq: a genome-wide CRISPR off-target profiling method using chromatin DNA. *Genome Research*, **2018**, 28, 1894-1900	9.7	47
13	Highly efficient genome editing by CRISPR-Cpf1 using CRISPR RNA with a uridinylate-rich 3′overhang. *Nature Communications*, **2018**, 9, 3651	17.4	81

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12	In vivo genome editing with a small Cas9 orthologue derived from Campylobacter jejuni. *Nature Communications*, **2017**, 8, 14500	17.4	368
11	Genome surgery using Cas9 ribonucleoproteins for the treatment of age-related macular degeneration. *Genome Research*, **2017**, 27, 419-426	9.7	100
10	Highly efficient RNA-guided base editing in mouse embryos. *Nature Biotechnology*, **2017**, 35, 435-437	44.5	269
9	Genome-wide target specificities of CRISPR RNA-guided programmable deaminases. *Nature Biotechnology*, **2017**, 35, 475-480	44.5	168
8	Digenome-seq web tool for profiling CRISPR specificity. *Nature Methods*, **2017**, 14, 548-549	21.6	18
7	Genome editing reveals a role for OCT4 in human embryogenesis. *Nature*, **2017**, 550, 67-73	50.4	210
6	Correction of a pathogenic gene mutation in human embryos. *Nature*, **2017**, 548, 413-419	50.4	567
5	Genome-wide analysis reveals specificities of Cpf1 endonucleases in human cells. *Nature Biotechnology*, **2016**, 34, 863-8	44.5	445
4	Genome-wide target specificities of CRISPR-Cas9 nucleases revealed by multiplex Digenome-seq. *Genome Research*, **2016**, 26, 406-15	9.7	141
3	Digenome-seq: genome-wide profiling of CRISPR-Cas9 off-target effects in human cells. *Nature Methods*, **2015**, 12, 237-43, 1 p following 243	21.6	652
2	Genotyping with CRISPR-Cas-derived RNA-guided endonucleases. *Nature Communications*, **2014**, 5, 3157	17.4	100
1	Highly efficient RNA-guided genome editing in human cells via delivery of purified Cas9 ribonucleoproteins. *Genome Research*, **2014**, 24, 1012-9	9.7	1085