

Feng Gu

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.

53
papers

1,245
citations

14
h-index

34
g-index

64
ext. papers

1,583
ext. citations

6.3
avg, IF

3.93
L-index

#	Paper	IF	Citations
53	NANOG is a direct target of TGFbeta/activin-mediated SMAD signaling in human ESCs. <i>Cell Stem Cell</i> , 2008 , 3, 196-206	18	394
52	DeepCRISPR: optimized CRISPR guide RNA design by deep learning. <i>Genome Biology</i> , 2018 , 19, 80	18.3	156
51	Comparison of non-canonical PAMs for CRISPR/Cas9-mediated DNA cleavage in human cells. <i>Scientific Reports</i> , 2014 , 4, 5405	4.9	143
50	A New lease of life\$ FnCpf1 possesses DNA cleavage activity for genome editing in human cells. <i>Nucleic Acids Research</i> , 2017 , 45, 11295-11304	20.1	76
49	A novel mutation in AlphaA-crystallin (CRYAA) caused autosomal dominant congenital cataract in a large Chinese family. <i>Human Mutation</i> , 2008 , 29, 769	4.7	43
48	Molecular diagnosis of putative Stargardt disease by capture next generation sequencing. <i>PLoS ONE</i> , 2014 , 9, e95528	3.7	29
47	SaCas9 Requires 5SNNGRRT-3SPAM for Sufficient Cleavage and Possesses Higher Cleavage Activity than SpCas9 or FnCpf1 in Human Cells. <i>Biotechnology Journal</i> , 2018 , 13, e1700561	5.6	27
46	Olfactory Plasticity: Variation in the Expression of Chemosensory Receptors in in Different Physiological States. <i>Frontiers in Physiology</i> , 2017 , 8, 672	4.6	23
45	CRISPR/Cas9-loxP-Mediated Gene Editing as a Novel Site-Specific Genetic Manipulation Tool. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 7, 378-386	10.7	22
44	Identification of a novel GJA8 (Cx50) point mutation causes human dominant congenital cataracts. <i>Scientific Reports</i> , 2014 , 4, 4121	4.9	21
43	High-fidelity SaCas9 identified by directional screening in human cells. <i>PLoS Biology</i> , 2020 , 18, e3000747	9.7	21
42	Benchmarking CRISPR on-target sgRNA design. <i>Briefings in Bioinformatics</i> , 2018 , 19, 721-724	13.4	20
41	Questions about NgAgo. <i>Protein and Cell</i> , 2016 , 7, 913-915	7.2	16
40	A Single Multiplex crRNA Array for FnCpf1-Mediated Human Genome Editing. <i>Molecular Therapy</i> , 2018 , 26, 2070-2076	11.7	15
39	Boosting activity of high-fidelity CRISPR/Cas9 variants using a tRNA-processing system in human cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9308-9315	5.4	14
38	Recapitulating and Correcting Marfan Syndrome in a Cellular Model. <i>International Journal of Biological Sciences</i> , 2017 , 13, 588-603	11.2	14
37	Long-term outcomes of ciliary sulcus versus capsular bag fixation of intraocular lenses in children: An ultrasound biomicroscopy study. <i>PLoS ONE</i> , 2017 , 12, e0172979	3.7	14

36	Efficient Human Genome Editing Using SaCas9 Ribonucleoprotein Complexes. <i>Biotechnology Journal</i> , 2019 , 14, e1800689	5.6	13
35	Engineering the Direct Repeat Sequence of crRNA for Optimization of FnCpf1-Mediated Genome Editing in Human Cells. <i>Molecular Therapy</i> , 2018 , 26, 2650-2657	11.7	13
34	Effects of polysaccharide from Pueraria lobata on gut microbiota in mice. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 740-740	7.9	12
33	Identification of three novel mutations in the FRMD7 gene for X-linked idiopathic congenital nystagmus. <i>Scientific Reports</i> , 2014 , 4, 3745	4.9	10
32	Recapitulating X-Linked Juvenile Retinoschisis in Mouse Model by Knock-In Patient-Specific Novel Mutation. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 453	6.1	10
31	Deciphering relationship between microhomology and in-frame mutation occurrence in human CRISPR-based gene knockout. <i>Molecular Therapy - Nucleic Acids</i> , 2016 , 5, e323	10.7	9
30	Novel mutations in PDE6B causing human retinitis pigmentosa. <i>International Journal of Ophthalmology</i> , 2016 , 9, 1094-9	1.4	9
29	Photoreceptor Cell-Derived CAPN5 Regulates Retinal Pigment Epithelium Cell Proliferation Through Direct Regulation of SLIT2 Cleavage 2018 , 59, 1810-1821		9
28	Rapid and accurate detection of African swine fever virus by DNA endonuclease-targeted CRISPR trans reporter assay. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020 , 52, 1413-1419	2.8	8
27	Efficient cleavage resolves PAM preferences of CRISPR-Cas in human cells. <i>Cell Regeneration</i> , 2019 , 8, 44-50	2.5	7
26	CRISPR/Cas9-AAV Mediated Knock-in at NRL Locus in Human Embryonic Stem Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2016 , 5, e393	10.7	7
25	Identification of a novel GJA3 mutation in a large Chinese family with congenital cataract using targeted exome sequencing. <i>PLoS ONE</i> , 2017 , 12, e0184440	3.7	6
24	Identification of a rhodopsin gene mutation in a large family with autosomal dominant retinitis pigmentosa. <i>Scientific Reports</i> , 2016 , 6, 19759	4.9	6
23	A recurrent deletion mutation in OPA1 causes autosomal dominant optic atrophy in a Chinese family. <i>Scientific Reports</i> , 2014 , 4, 6936	4.9	6
22	An anti-CAPN5 intracellular antibody acts as an inhibitor of CAPN5-mediated neuronal degeneration. <i>Oncotarget</i> , 2017 , 8, 100312-100325	3.3	6
21	Toll-Like Receptor 3 Activation Initiates Photoreceptor Cell Death In Vivo and In Vitro 2017 , 58, 801-811		5
20	Human cell based directed evolution of adenine base editors with improved efficiency. <i>Nature Communications</i> , 2021 , 12, 5897	17.4	5
19	Tizoxanide induces autophagy by inhibiting PI3K/Akt/mTOR pathway in RAW264.7 macrophage cells. <i>Archives of Pharmacal Research</i> , 2020 , 43, 257-270	6.1	5

18	Engineered FnCas12a with enhanced activity through directional evolution in human cells. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100394	5.4	5
17	Development of a Simple and Quick Method to Assess Base Editing in Human Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 20, 580-588	10.7	4
16	Functional non-homologous end joining patterns triggered by CRISPR/Cas9 in human cells. <i>Journal of Genetics and Genomics</i> , 2018 , 45, 329-329	4	4
15	A novel mutation of p.F32I in in human dominant congenital cataracts. <i>International Journal of Ophthalmology</i> , 2016 , 9, 1561-1567	1.4	4
14	Basic and Clinical Application of Adeno-Associated Virus-Mediated Genome Editing. <i>Human Gene Therapy</i> , 2019 , 30, 673-681	4.8	4
13	CRISPR/Cas9-mediated mutagenesis at microhomologous regions of human mitochondrial genome. <i>Science China Life Sciences</i> , 2021 , 64, 1463-1472	8.5	4
12	Protective Effects of Trimetazidine in Retarding Selenite-Induced Lens Opacification. <i>Current Eye Research</i> , 2019 , 44, 1325-1336	2.9	3
11	Lb2Cas12a and its engineered variants mediate genome editing in human cells. <i>FASEB Journal</i> , 2021 , 35, e21270	0.9	3
10	Next-generation CRISPR-Cas for genome editing: focusing on the Cas protein and PAM. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2020 , 42, 236-249	1.4	2
9	Small-molecule compounds boost genome-editing efficiency of cytosine base editor. <i>Nucleic Acids Research</i> , 2021 , 49, 8974-8986	20.1	2
8	Rational Selection of CRISPR-Cas Triggering Homology-Directed Repair in Human Cells. <i>Human Gene Therapy</i> , 2021 , 32, 302-309	4.8	1
7	A Novel Mutation p.L461P in Causing Localized Epidermolysis Bullosa Simplex. <i>Annals of Dermatology</i> , 2021 , 33, 11-17	0.4	1
6	Metabolism, Distribution, and Excretion of Ethanamizuril in Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1563-1570	5.7	0
5	Genome editing of <i>Corynebacterium glutamicum</i> mediated with Cpf1 plus Ku/LigD. <i>Biotechnology Letters</i> , 2021 , 43, 2273-2281	3	0
4	Identification of a novel idiopathic congenital nystagmus-causing missense mutation, p.G296C, in the FRMD7 gene. <i>Molecular Medicine Reports</i> , 2018 , 18, 2816-2822	2.9	0
3	FnCas12a/crRNA-Mediated Genome Editing in. <i>Frontiers in Genetics</i> , 2021 , 12, 738746	4.5	0
2	Can SpRY recognize any PAM in human cells?. <i>Journal of Zhejiang University: Science B</i> , 2022 , 23, 382-391	4.5	0
1	A patient with severe congenital neutropenia harbors a missense ELANE mutation due to paternal germline mosaicism.. <i>Clinica Chimica Acta</i> , 2021 , 526, 14-20	6.2	

