Feng Gu

List of Publications by Year in Descending Order

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	Can SpRY recognize any PAM in human cells?. *Journal of Zhejiang University: Science B*, **2022**, 23, 382-391	4.5	0
52	A patient with severe congenital neutropenia harbors a missense ELANE mutation due to paternal germline mosaicism.. *Clinica Chimica Acta*, **2021**, 526, 14-20	6.2	
51	Human cell based directed evolution of adenine base editors with improved efficiency. *Nature Communications*, **2021**, 12, 5897	17.4	5
50	Genome editing of Corynebacterium glutamicum mediated with Cpf1 plus Ku/LigD. *Biotechnology Letters*, **2021**, 43, 2273-2281	3	0
49	Small-molecule compounds boost genome-editing efficiency of cytosine base editor. *Nucleic Acids Research*, **2021**, 49, 8974-8986	20.1	2
48	Rational Selection of CRISPR-Cas Triggering Homology-Directed Repair in Human Cells. *Human Gene Therapy*, **2021**, 32, 302-309	4.8	1
47	CRISPR/Cas9-mediated mutagenesis at microhomologous regions of human mitochondrial genome. *Science China Life Sciences*, **2021**, 64, 1463-1472	8.5	4
46	Engineered FnCas12a with enhanced activity through directional evolution in human cells. *Journal of Biological Chemistry*, **2021**, 296, 100394	5.4	5
45	Lb2Cas12a and its engineered variants mediate genome editing in human cells. *FASEB Journal*, **2021**, 35, e21270	0.9	3
44	FnCas12a/crRNA-Mediated Genome Editing in. *Frontiers in Genetics*, **2021**, 12, 738746	4.5	0
43	A Novel Mutation p.L461P in Causing Localized Epidermolysis Bullosa Simplex. *Annals of Dermatology*, **2021**, 33, 11-17	0.4	1
42	Effects of polysaccharide from Pueraria lobata on gut microbiota in mice. *International Journal of Biological Macromolecules*, **2020**, 158, 740-740	7.9	12
41	Development of a Simple and Quick Method to Assess Base Editing in Human Cells. *Molecular Therapy - Nucleic Acids*, **2020**, 20, 580-588	10.7	4
40	High-fidelity SaCas9 identified by directional screening in human cells. *PLoS Biology*, **2020**, 18, e3000747	9.7	21
39	Metabolism, Distribution, and Excretion of Ethanamizuril in Chickens. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1563-1570	5.7	0
38	Next-generation CRISPR-Cas for genome editing: focusing on the Cas protein and PAM. *Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji*, **2020**, 42, 236-249	1.4	2
37	Tizoxanide induces autophagy by inhibiting PI3K/Akt/mTOR pathway in RAW264.7 macrophage cells. *Archives of Pharmacal Research*, **2020**, 43, 257-270	6.1	5

36	Rapid and accurate detection of African swine fever virus by DNA endonuclease-targeted CRISPR trans reporter assay. *Acta Biochimica Et Biophysica Sinica*, **2020**, 52, 1413-1419	2.8	8
35	Boosting activity of high-fidelity CRISPR/Cas9 variants using a tRNA-processing system in human cells. *Journal of Biological Chemistry*, **2019**, 294, 9308-9315	5.4	14
34	Efficient Human Genome Editing Using SaCas9 Ribonucleoprotein Complexes. *Biotechnology Journal*, **2019**, 14, e1800689	5.6	13
33	Protective Effects of Trimetazidine in Retarding Selenite-Induced Lens Opacification. *Current Eye Research*, **2019**, 44, 1325-1336	2.9	3
32	Efficient cleavage resolves PAM preferences of CRISPR-Cas in human cells. *Cell Regeneration*, **2019**, 8, 44-50	2.5	7
31	Basic and Clinical Application of Adeno-Associated Virus-Mediated Genome Editing. *Human Gene Therapy*, **2019**, 30, 673-681	4.8	4
30	Benchmarking CRISPR on-target sgRNA design. *Briefings in Bioinformatics*, **2018**, 19, 721-724	13.4	20
29	DeepCRISPR: optimized CRISPR guide RNA design by deep learning. *Genome Biology*, **2018**, 19, 80	18.3	156
28	Functional non-homologous end joining patterns triggered by CRISPR/Cas9 in human cells. *Journal of Genetics and Genomics*, **2018**, 45, 329-329	4	4
27	A Single Multiplex crRNA Array for FnCpf1-Mediated Human Genome Editing. *Molecular Therapy*, **2018**, 26, 2070-2076	11.7	15
26	SaCas9 Requires 5SNNGRRT-3SPAM for Sufficient Cleavage and Possesses Higher Cleavage Activity than SpCas9 or FnCpf1 in Human Cells. *Biotechnology Journal*, **2018**, 13, e1700561	5.6	27
25	Engineering the Direct Repeat Sequence of crRNA for Optimization of FnCpf1-Mediated Genome Editing in Human Cells. *Molecular Therapy*, **2018**, 26, 2650-2657	11.7	13
24	Identification of a novel idiopathic congenital nystagmus-causing missense mutation, p.G296C, in the FRMD7 gene. *Molecular Medicine Reports*, **2018**, 18, 2816-2822	2.9	0
23	Photoreceptor Cell-Derived CAPN5 Regulates Retinal Pigment Epithelium Cell Proliferation Through Direct Regulation of SLIT2 Cleavage **2018**, 59, 1810-1821		9
22	CRISPR/Cas9-loxP-Mediated Gene Editing as a Novel Site-Specific Genetic Manipulation Tool. *Molecular Therapy - Nucleic Acids*, **2017**, 7, 378-386	10.7	22
21	A new lease of life: FnCpf1 possesses DNA cleavage activity for genome editing in human cells. *Nucleic Acids Research*, **2017**, 45, 11295-11304	20.1	76
20	Identification of a novel GJA3 mutation in a large Chinese family with congenital cataract using targeted exome sequencing. *PLoS ONE*, **2017**, 12, e0184440	3.7	6
19	Toll-Like Receptor 3 Activation Initiates Photoreceptor Cell Death In Vivo and In Vitro **2017**, 58, 801-811		5

18	Recapitulating X-Linked Juvenile Retinoschisis in Mouse Model by Knock-In Patient-Specific Novel Mutation. *Frontiers in Molecular Neuroscience*, **2017**, 10, 453	6.1	10
17	Olfactory Plasticity: Variation in the Expression of Chemosensory Receptors in in Different Physiological States. *Frontiers in Physiology*, **2017**, 8, 672	4.6	23
16	Recapitulating and Correcting Marfan Syndrome in a Cellular Model. *International Journal of Biological Sciences*, **2017**, 13, 588-603	11.2	14
15	Long-term outcomes of ciliary sulcus versus capsular bag fixation of intraocular lenses in children: An ultrasound biomicroscopy study. *PLoS ONE*, **2017**, 12, e0172979	3.7	14
14	An anti-CAPN5 intracellular antibody acts as an inhibitor of CAPN5-mediated neuronal degeneration. *Oncotarget*, **2017**, 8, 100312-100325	3.3	6
13	Questions about NgAgo. *Protein and Cell*, **2016**, 7, 913-915	7.2	16
12	Identification of a rhodopsin gene mutation in a large family with autosomal dominant retinitis pigmentosa. *Scientific Reports*, **2016**, 6, 19759	4.9	6
11	Deciphering relationship between microhomology and in-frame mutation occurrence in human CRISPR-based gene knockout. *Molecular Therapy - Nucleic Acids*, **2016**, 5, e323	10.7	9
10	Novel mutations in PDE6B causing human retinitis pigmentosa. *International Journal of Ophthalmology*, **2016**, 9, 1094-9	1.4	9
9	A novel mutation of p.F32I in in human dominant congenital cataracts. *International Journal of Ophthalmology*, **2016**, 9, 1561-1567	1.4	4
8	CRISPR/Cas9-AAV Mediated Knock-in at NRL Locus in Human Embryonic Stem Cells. *Molecular Therapy - Nucleic Acids*, **2016**, 5, e393	10.7	7
7	Comparison of non-canonical PAMs for CRISPR/Cas9-mediated DNA cleavage in human cells. *Scientific Reports*, **2014**, 4, 5405	4.9	143
6	Identification of three novel mutations in the FRMD7 gene for X-linked idiopathic congenital nystagmus. *Scientific Reports*, **2014**, 4, 3745	4.9	10
5	Identification of a novel GJA8 (Cx50) point mutation causes human dominant congenital cataracts. *Scientific Reports*, **2014**, 4, 4121	4.9	21
4	A recurrent deletion mutation in OPA1 causes autosomal dominant optic atrophy in a Chinese family. *Scientific Reports*, **2014**, 4, 6936	4.9	6
3	Molecular diagnosis of putative Stargardt disease by capture next generation sequencing. *PLoS ONE*, **2014**, 9, e95528	3.7	29
2	NANOG is a direct target of TGFbeta/activin-mediated SMAD signaling in human ESCs. *Cell Stem Cell*, **2008**, 3, 196-206	18	394
1	A novel mutation in AlphaA-crystallin (CRYAA) caused autosomal dominant congenital cataract in a large Chinese family. *Human Mutation*, **2008**, 29, 769	4.7	43