Feng Gu

List of Publications by Year
in descending order

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58 papers	1,835 citations	430442 18 h-index	288905 40 g-index
64 all docs	64 docs citations	64 times ranked	2853 citing authors

#	Article	IF	Citations
1	A patient with severe congenital neutropenia harbors a missense ELANE mutation due to paternal germline mosaicism. Clinica Chimica Acta, 2022, 526, 14-20.	0.5	0
2	Green Fluorescent Protein Tagged Polycistronic Reporter System Reveals Functional Editing Characteristics of CRISPR-Cas. CRISPR Journal, 2022, 5, 254-263.	1.4	1
3	Two high-fidelity variants: efSaCas9 and SaCas9-HF, which one is better?. Gene Therapy, 2022, 29, 458-463.	2.3	4
4	Novel Arginine End-Tagging Antimicrobial Peptides to Combat Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2022, 14, 245-258.	4.0	8
5	Mutualism promotes insect fitness by fungal nutrient compensation and facilitates fungus propagation by mediating insect oviposition preference. ISME Journal, 2022, 16, 1831-1842.	4.4	8
6	Can SpRY recognize any PAM in human cells?. Journal of Zhejiang University: Science B, 2022, 23, 382-391.	1.3	1
7	Rational Selection of CRISPR-Cas Triggering Homology-Directed Repair in Human Cells. Human Gene Therapy, 2021, 32, 302-309.	1.4	2
8	CRISPR/Cas9-mediated mutagenesis at microhomologous regions of human mitochondrial genome. Science China Life Sciences, 2021, 64, 1463-1472.	2.3	14
9	Engineered FnCas12a with enhanced activity through directional evolution in human cells. Journal of Biological Chemistry, 2021, 296, 100394.	1.6	11
10	Lb2Cas12a and its engineered variants mediate genome editing in human cells. FASEB Journal, 2021, 35, e21270.	0.2	5
11	Small-molecule compounds boost genome-editing efficiency of cytosine base editor. Nucleic Acids Research, 2021, 49, 8974-8986.	6.5	10
12	FnCas12a/crRNA-Mediated Genome Editing in Eimeria tenella. Frontiers in Genetics, 2021, 12, 738746.	1.1	6
13	A Novel Mutation p.L461P in KRT5 Causing Localized Epidermolysis Bullosa Simplex. Annals of Dermatology, 2021, 33, 11.	0.3	1
14	Human cell based directed evolution of adenine base editors with improved efficiency. Nature Communications, 2021, 12, 5897.	5.8	15
15	Genome editing of Corynebacterium glutamicum mediated with Cpf1 plus Ku/LigD. Biotechnology Letters, 2021, 43, 2273-2281.	1.1	3
16	Tizoxanide induces autophagy by inhibiting PI3K/Akt/mTOR pathway in RAW264.7 macrophage cells. Archives of Pharmacal Research, 2020, 43, 257-270.	2.7	15
17	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.	0.9	14
18	Effects of polysaccharide from Pueraria lobata on gut microbiota in mice. International Journal of Biological Macromolecules, 2020, 158, 740-749.	3.6	40

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19	Development of a Simple and Quick Method to Assess Base Editing in Human Cells. Molecular Therapy - Nucleic Acids, 2020, 20, 580-588.	2.3	9
20	High-fidelity SaCas9 identified by directional screening in human cells. PLoS Biology, 2020, 18, e3000747.	2.6	38
21	Metabolism, Distribution, and Excretion of Ethanamizuril in Chickens. Journal of Agricultural and Food Chemistry, 2020, 68, 1563-1570.	2.4	4
22	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.	0.1	4
23	Protective Effects of Trimetazidine in Retarding Selenite-Induced Lens Opacification. Current Eye Research, 2019, 44, 1325-1336.	0.7	6
24	Efficient cleavage resolves PAM preferences of CRISPR-Cas in human cells. Cell Regeneration, 2019, 8, 44-50.	1.1	20
25	Boosting activity of high-fidelity CRISPR/Cas9 variants using a tRNAGln-processing system in human cells. Journal of Biological Chemistry, 2019, 294, 9308-9315.	1.6	23
26	Efficient Human Genome Editing Using SaCas9 Ribonucleoprotein Complexes. Biotechnology Journal, 2019, 14, e1800689.	1.8	20
27	Basic and Clinical Application of Adeno-Associated Virusâ€“Mediated Genome Editing. Human Gene Therapy, 2019, 30, 673-681.	1.4	5
28	Benchmarking CRISPR on-target sgRNA design. Briefings in Bioinformatics, 2018, 19, 721-724.	3.2	28
29	SaCas9 Requires 5â€²â€NNGRRTâ€3â€² PAM for Sufficient Cleavage and Possesses Higher Cleavage Activity than SpCas9 or FnCpf1 in Human Cells. Biotechnology Journal, 2018, 13, e1700561.	1.8	46
30	Engineering the Direct Repeat Sequence of crRNA for Optimization of FnCpf1-Mediated Genome Editing in Human Cells. Molecular Therapy, 2018, 26, 2650-2657.	3.7	19
31	Identification of a novel idiopathic congenital nystagmusâ€‘causing missense mutation, p.G296C, in the FRMD7 gene. Molecular Medicine Reports, 2018, 18, 2816-2822.	1.1	2
32	Photoreceptor Cellâ€“Derived CAPN5 Regulates Retinal Pigment Epithelium Cell Proliferation Through Direct Regulation of SLIT2 Cleavage. , 2018, 59, 1810.		11
33	DeepCRISPR: optimized CRISPR guide RNA design by deep learning. Genome Biology, 2018, 19, 80.	3.8	285
34	Functional non-homologous end joining patterns triggered by CRISPR/Cas9 in human cells. Journal of Genetics and Genomics, 2018, 45, 329-332.	1.7	5
35	A Single Multiplex crRNA Array for FnCpf1-Mediated Human Genome Editing. Molecular Therapy, 2018, 26, 2070-2076.	3.7	20
36	CRISPR/Cas9- loxP -Mediated Gene Editing as a Novel Site-Specific Genetic Manipulation Tool. Molecular Therapy - Nucleic Acids, 2017, 7, 378-386.	2.3	31

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37	A â€˜new lease of lifeâ€™: FnCpf1 possesses DNA cleavage activity for genome editing in human cells. Nucleic Acids Research, 2017, 45, 11295-11304.	6.5	108
38	Olfactory Plasticity: Variation in the Expression of Chemosensory Receptors in Bactrocera dorsalis in Different Physiological States. Frontiers in Physiology, 2017, 8, 672.	1.3	42
39	Recapitulating and Correcting Marfan Syndrome in a Cellular Model. International Journal of Biological Sciences, 2017, 13, 588-603.	2.6	19
40	Identification of a novel GJA3 mutation in a large Chinese family with congenital cataract using targeted exome sequencing. PLoS ONE, 2017, 12, e0184440.	1.1	10
41	Toll-Like Receptor 3 Activation Initiates Photoreceptor Cell Death In Vivo and In Vitro. , 2017, 58, 801.		8
42	Recapitulating X-Linked Juvenile Retinoschisis in Mouse Model by Knock-In Patient-Specific Novel Mutation. Frontiers in Molecular Neuroscience, 2017, 10, 453.	1.4	20
43	Long-term outcomes of ciliary sulcus versus capsular bag fixation of intraocular lenses in children: An ultrasound biomicroscopy study. PLoS ONE, 2017, 12, e0172979.	1.1	20
44	An anti-CAPN5 intracellular antibody acts as an inhibitor of CAPN5-mediated neuronal degeneration. Oncotarget, 2017, 8, 100312-100325.	0.8	8
45	CRISPR/Cas9-AAV Mediated Knock-in at NRL Locus in Human Embryonic Stem Cells. Molecular Therapy - Nucleic Acids, 2016, 5, e393.	2.3	9
46	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	4.8	24
47	Identification of a rhodopsin gene mutation in a large family with autosomal dominant retinitis pigmentosa. Scientific Reports, 2016, 6, 19759.	1.6	8
48	Deciphering relationship between microhomology and in-frame mutation occurrence in human CRISPR-based gene knockout. Molecular Therapy - Nucleic Acids, 2016, 5, e323.	2.3	9
49	Novel mutations in PDE6B causing human retinitis pigmentosa. International Journal of Ophthalmology, 2016, 9, 1094-9.	0.5	13
50	A novel mutation of p.F32I in GJA8 in human dominant congenital cataracts. International Journal of Ophthalmology, 2016, 9, 1561-1567.	0.5	5
51	Molecular Diagnosis of Putative Stargardt Disease by Capture Next Generation Sequencing. PLoS ONE, 2014, 9, e95528.	1.1	38
52	A recurrent deletion mutation in OPA1 causes autosomal dominant optic atrophy in a Chinese family. Scientific Reports, 2014, 4, 6936.	1.6	8
53	Comparison of non-canonical PAMs for CRISPR/Cas9-mediated DNA cleavage in human cells. Scientific Reports, 2014, 4, 5405.	1.6	187
54	Identification of Three Novel Mutations in the FRMD7 Gene for X-linked Idiopathic Congenital Nystagmus. Scientific Reports, 2014, 4, 3745.	1.6	14

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55	Identification of a Novel GJA8 (Cx50) Point Mutation Causes Human Dominant Congenital Cataracts. Scientific Reports, 2014, 4, 4121.	1.6	30
56	A novel mutation in AlphaA-crystallin (CRYAA) caused autosomal dominant congenital cataract in a large Chinese family. Human Mutation, 2008, 29, 769-769.	1.1	49
57	NANOG Is a Direct Target of TGFÎ²/Activin-Mediated SMAD Signaling in Human ESCs. Cell Stem Cell, 2008, 3, 196-206.	5.2	446
58	Identification of RPGR ORF15 mutation for X-linked retinitis pigmentosa in a large Chinese family and in vitro correction with prime editor. Gene Therapy, 0, , .	2.3	3