Feng Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

353 papers	90,625 citations	1099 112 h-index	394 279 g-index
387 all docs	387 docs citations	387 times ranked	77617 citing authors

#	Article	IF	Citations
1	Homozygous variants inAKAP3induce asthenoteratozoospermia and male infertility. Journal of Medical Genetics, 2023, 60, 137-143.	3.2	9
2	Haploinsufficiency in non-homologous end joining factor 1 induces ovarian dysfunction in humans and mice. Journal of Medical Genetics, 2022, 59, 579-588.	3.2	3
3	Homozygous mutations in CCDC34 cause male infertility with oligoasthenoteratozoospermia in humans and mice. Journal of Medical Genetics, 2022, 59, 710-718.	3.2	20
4	Compact RNA editors with small Cas13 proteins. Nature Biotechnology, 2022, 40, 194-197.	17.5	86
5	Modulation of Immune Reaction in Hydrodynamic Gene Therapy for Hemophilia A. Human Gene Therapy, 2022, 33, 404-420.	2.7	2
6	Modified strict sperm morphology threshold aids in the clinical selection of conventional in vitro fertilization (IVF) or intracytoplasmic sperm injection (ICSI). Asian Journal of Andrology, 2022, 24, 62.	1.6	3
7	scMAGIC: accurately annotating single cells using two rounds of reference-based classification. Nucleic Acids Research, 2022, 50, e43-e43.	14.5	11
8	CDC42 controlled apical-basal polarity regulates intestinal stem cell to transit amplifying cell fate transition via YAP-EGF-mTOR signaling. Cell Reports, 2022, 38, 110009.	6.4	17
9	Improved and Flexible HDR Editing by Targeting Introns in iPSCs. Stem Cell Reviews and Reports, 2022, 18, 1822-1833.	3.8	6
10	Homozygous mutation in SLO3 leads to severe asthenoteratozoospermia due to acrosome hypoplasia and mitochondrial sheath malformations. Reproductive Biology and Endocrinology, 2022, 20, 5.	3.3	11
11	CRISPR DNA- and RNP-Mediated Genome Editing via Nicotiana benthamiana Protoplast Transformation and Regeneration. Methods in Molecular Biology, 2022, 2464, 65-82.	0.9	2
12	Protoplast Isolation, Transfection, and Gene Editing for Soybean (Glycine max). Methods in Molecular Biology, 2022, 2464, 173-186.	0.9	5
13	HSD17B12 dosage insufficiency induced premature ovarian insufficiency in humans and mice. Clinical and Translational Medicine, 2022, 12, e737.	4.0	0
14	CEP128 is involved in spermatogenesis in humans and mice. Nature Communications, 2022, 13, 1395.	12.8	23
15	Epistasis at the SARS-CoV-2 Receptor-Binding Domain Interface and the Propitiously Boring Implications for Vaccine Escape. MBio, 2022, 13, e0013522.	4.1	35
16	Whole-Exome Sequencing Identifies the VHL Mutation (c.262T > C, p.Try88Arg) in Non-Obstructive Azoospermia-Associated Cystic Renal Cell Carcinoma. Current Oncology, 2022, 29, 2376-2384.	2.2	3
17	CRISPR activation screen identifies BCL-2 proteins and B3GNT2 as drivers of cancer resistance to T cell-mediated cytotoxicity. Nature Communications, 2022, 13, 1606.	12.8	40
18	Deficiency of X-linked TENT5D causes male infertility by disrupting the mRNA stability during spermatogenesis. Cell Discovery, 2022, 8, 23.	6.7	12

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19	POSH regulates assembly of the NMDAR/PSD-95/Shank complex and synaptic function. Cell Reports, 2022, 39, 110642.	6.4	7
20	Molecular mechanisms underlying cTAGE5/MEA6-mediated cargo transport and biological functions. Journal of Genetics and Genomics, 2022, 49, 519-522.	3.9	2
21	Genomeâ€wide loss of <scp>CHH</scp> methylation with limited transcriptome changes in Setaria viridis DOMAINS REARRANGED METHYLTRANSFERASE (<scp>DRM</scp>) mutants. Plant Journal, 2022, 111, 103-116.	5.7	2
22	â€œProgressive motilityâ€•in elucidating novel genetic causes of male infertility. Asian Journal of Andrology, 2022, 24, 229.	1.6	0
23	Evaluation of inactivated COVID-19 vaccine on semen parameters in reproductive-age males: a retrospective cohort study. Asian Journal of Andrology, 2022, 24, 441.	1.6	21
24	UG/Abi: a highly diverse family of prokaryotic reverse transcriptases associated with defense functions. Nucleic Acids Research, 2022, 50, 6084-6101.	14.5	11
25	Human pathogenic RNA viruses establish noncompeting lineages by occupying independent niches. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
26	Homozygous Variant in KASH5 Causes Premature Ovarian Insufficiency by Disordered Meiotic Homologous Pairing. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 2589-2597.	3.6	7
27	Epigenetic features drastically impact CRISPRâ€“Cas9 efficacy in plants. Plant Physiology, 2022, 190, 1153-1164.	4.8	25
28	Novel bi-allelic variants in KASH5 are associated with meiotic arrest and non-obstructive azoospermia. Molecular Human Reproduction, 2022, 28, .	2.8	4
29	Diagnostic yield and clinical impact of exome sequencing in early-onset scoliosis (EOS). Journal of Medical Genetics, 2021, 58, 41-47.	3.2	40
30	A heterozygous hypomorphic mutation of Fanca causes impaired follicle development and subfertility in female mice. Molecular Genetics and Genomics, 2021, 296, 103-112.	2.1	9
31	Novel lossâ€ofâ€function variants in <scp>DNAH17</scp> cause multiple morphological abnormalities of the sperm flagella in humans and mice. Clinical Genetics, 2021, 99, 176-186.	2.0	26
32	â€œResponse to the letter to the editor â€œConcerns regarding the potentially causal role of FANCA heterozygous variants in human primary ovarian insufficiencyâ€â€• Human Genetics, 2021, 140, 695-697.	3.8	2
33	Whole exome sequencing and trio analysis to broaden the variant spectrum of genes in idiopathic hypogonadotropic hypogonadism. Asian Journal of Andrology, 2021, 23, 288.	1.6	5
34	Deleterious variants in X-linked CFAP47 induce asthenoteratozoospermia and primary male infertility. American Journal of Human Genetics, 2021, 108, 309-323.	6.2	74
35	Perturbations of genes essential for MÃ¼llerian duct and WÃ¶lffian duct development in Mayer-Rokitansky-KÃ¼ster-Hauser syndrome. American Journal of Human Genetics, 2021, 108, 337-345.	6.2	41
36	OLIG2 maintenance is not essential for diffuse intrinsic pontine glioma cell line growth but regulates tumor phenotypes. Neuro-Oncology, 2021, 23, 1183-1196.	1.2	4

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37	Lipid nanoparticle-mediated codelivery of Cas9 mRNA and single-guide RNA achieves liver-specific in vivo genome editing ofAngptl3. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	192
38	Dual modes of CRISPR-associated transposon homing. Cell, 2021, 184, 2441-2453.e18.	28.9	86
39	A cellular and spatial map of the choroid plexus across brain ventricles and ages. Cell, 2021, 184, 3056-3074.e21.	28.9	150
40	Novel bi-allelic variants in DNAH2 cause severe asthenoteratozoospermia with multiple morphological abnormalities of the flagella. Reproductive BioMedicine Online, 2021, 42, 963-972.	2.4	19
41	Temporal transcriptomic landscape of postnatal mouse ovaries reveals dynamic gene signatures associated with ovarian aging. Human Molecular Genetics, 2021, 30, 1941-1954.	2.9	8
42	Loss of DRC1 function leads to multiple morphological abnormalities of the sperm flagella and male infertility in human and mouse. Human Molecular Genetics, 2021, 30, 1996-2011.	2.9	26
43	Novel Mutations in X-Linked, USP26-Induced Asthenoteratozoospermia and Male Infertility. Cells, 2021, 10, 1594.	4.1	6
44	LAMP-Seq enables sensitive, multiplexed COVID-19 diagnostics using molecular barcoding. Nature Biotechnology, 2021, 39, 1556-1562.	17.5	46
45	CFAP65 is required in the acrosome biogenesis and mitochondrial sheath assembly during spermiogenesis. Human Molecular Genetics, 2021, 30, 2240-2254.	2.9	18
46	Bi-allelic truncating variants in CFAP206 cause male infertility in human and mouse. Human Genetics, 2021, 140, 1367-1377.	3.8	23
47	Ongoing global and regional adaptive evolution of SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	196
48	CRISPR-based diagnostics. Nature Biomedical Engineering, 2021, 5, 643-656.	22.5	492
49	Plant genome engineering from lab to fieldâ€”a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 35-54.	3.8	4
50	Mammalian retrovirus-like protein PEG10 packages its own mRNA and can be pseudotyped for mRNA delivery. Science, 2021, 373, 882-889.	12.6	214
51	Effective control of large deletions after double-strand breaks by homology-directed repair and dsODN insertion. Genome Biology, 2021, 22, 236.	8.8	36
52	Bi-allelic mutations of DNAH10 cause primary male infertility with asthenoteratozoospermia in humans and mice. American Journal of Human Genetics, 2021, 108, 1466-1477.	6.2	50
53	Generation of hypothalamic arcuate organoids from human induced pluripotent stem cells. Cell Stem Cell, 2021, 28, 1657-1670.e10.	11.1	72
54	The widespread IS200/IS605 transposon family encodes diverse programmable RNA-guided endonucleases. Science, 2021, 374, 57-65.	12.6	152

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55	Adaptive responses to mTOR gene targeting in hematopoietic stem cells reveal a proliferative mechanism evasive to mTOR inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
56	Editorial: New Genome Editing Tools and Resources: Enabling Gene Discovery and Functional Genomics. Frontiers in Genome Editing, 2021, 3, 771622.	5.2	1
57	Nanomedicine potentiates mild photothermal therapy for tumor ablation. Asian Journal of Pharmaceutical Sciences, 2021, 16, 738-761.	9.1	43
58	A recurrent rare intronic variant in CAPN3 alters mRNA splicing and causes autosomal recessive limbâ€girdle muscular dystrophyâ€1 in three Pakistani pedigrees. American Journal of Medical Genetics, Part A, 2021, , .	1.2	0
59	CRISPR/Cas9 Delivery System Engineering for Genome Editing in Therapeutic Applications. Pharmaceutics, 2021, 13, 1649.	4.5	35
60	Genetic analysis of osteopetrosis in Pakistani families identifies novel and known sequence variants. BMC Medical Genomics, 2021, 14, 264.	1.5	2
61	Whole exome sequencing identified a rare WT1 lossâ€ofâ€function variant in a nonâ€syndromic POI patient. Molecular Genetics & Genomic Medicine, 2021, , e1820.	1.2	2
62	Familial Translocation t(2;4) (q37.3;p16.3), Resulting in a Partial Trisomy of 2q (or 4p) and a Partial Monosomy of 4p (or 2q), Causes Dysplasia. Frontiers in Genetics, 2021, 12, 741607.	2.3	0
63	Efficiency, Specificity and Temperature Sensitivity of Cas9 and Cas12a RNPs for DNA-free Genome Editing in Plants. Frontiers in Genome Editing, 2021, 3, 760820.	5.2	12
64	Cargo Genes of Tn 7 -Like Transposons Comprise an Enormous Diversity of Defense Systems, Mobile Genetic Elements, and Antibiotic Resistance Genes. MBio, 2021, 12, e0293821.	4.1	34
65	Homozygous mutations inSPEF2induce multiple morphological abnormalities of the sperm flagella and male infertility. Journal of Medical Genetics, 2020, 57, 31-37.	3.2	57
66	Biallelic mutations inCFAP65cause male infertility with multiple morphological abnormalities of the sperm flagella in humans and mice. Journal of Medical Genetics, 2020, 57, 89-95.	3.2	55
67	Joint utilization of genetic analysis and semi-cloning technology reveals a digenic etiology of MÃ¼llerian anomalies. Cell Research, 2020, 30, 91-94.	12.0	10
68	Xq22 deletions and correlation with distinct neurological disease traits in females: Further evidence for a contiguous gene syndrome. Human Mutation, 2020, 41, 150-168.	2.5	15
69	The Nuclear Matrix Protein SAFB Cooperates with Major Satellite RNAs to Stabilize Heterochromatin Architecture Partially through Phase Separation. Molecular Cell, 2020, 77, 368-383.e7.	9.7	104
70	TBX6 missense variants expand the mutational spectrum in a nonâ€Mendelian inheritance disease. Human Mutation, 2020, 41, 182-195.	2.5	27
71	Front Cover, Volume 41, Issue 1. Human Mutation, 2020, 41, i.	2.5	0
72	Evolutionary classification of CRISPRâ€“Cas systems: a burst of class 2 and derived variants. Nature Reviews Microbiology, 2020, 18, 67-83.	28.6	1,427

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73	A Survey of Genome Editing Activity for 16 Cas12a Orthologs. Keio Journal of Medicine, 2020, 69, 59-65.	1.1	41
74	MircroRNA-10b Promotes Human Embryonic Stem Cell-Derived Cardiomyocyte Proliferation via Novel Target Gene LATS1. Molecular Therapy - Nucleic Acids, 2020, 19, 437-445.	5.1	14
75	Clinical characteristics of recovered COVID-19 patients with re-detectable positive RNA test. Annals of Translational Medicine, 2020, 8, 1084-1084.	1.7	128
76	In vivo Perturb-Seq reveals neuronal and glial abnormalities associated with autism risk genes. Science, 2020, 370, .	12.6	155
77	Rationally Designed APOBEC3B Cytosine Base Editors with Improved Specificity. Molecular Cell, 2020, 79, 728-740.e6.	9.7	104
78	Rare deleterious BUB1B variants induce premature ovarian insufficiency and early menopause. Human Molecular Genetics, 2020, 29, 2698-2707.	2.9	13
79	Bi-allelic Loss-of-function Variants in CFAP58 Cause Flagellar Axoneme and Mitochondrial Sheath Defects and Asthenoteratozoospermia in Humans and Mice. American Journal of Human Genetics, 2020, 107, 514-526.	6.2	71
80	Optimization of multiplexed CRISPR/Cas9 system for highly efficient genome editing in Setaria viridis. Plant Journal, 2020, 104, 828-838.	5.7	48
81	Molecular structure and evolution mechanism of two populations of double minutes in human colorectal cancer cells. Journal of Cellular and Molecular Medicine, 2020, 24, 14205-14216.	3.6	9
82	Unsupervised Inference of Developmental Directions for Single Cells Using VECTOR. Cell Reports, 2020, 32, 108069.	6.4	11
83	A DNAH17 missense variant causes flagella destabilization and asthenozoospermia. Journal of Experimental Medicine, 2020, 217, .	8.5	88
84	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. Cell Stem Cell, 2020, 27, 937-950.e9.	11.1	314
85	Î²-Sitosterol-loaded solid lipid nanoparticles ameliorate complete Freundâ€™s adjuvant-induced arthritis in rats: involvement of NF-ÐºB and HO-1/Nrf-2 pathway. Drug Delivery, 2020, 27, 1329-1341.	5.7	59
86	Clinical validation of a Cas13-based assay for the detection of SARS-CoV-2 RNA. Nature Biomedical Engineering, 2020, 4, 1140-1149.	22.5	442
87	Diverse enzymatic activities mediate antiviral immunity in prokaryotes. Science, 2020, 369, 1077-1084.	12.6	302
88	Disruption in ACTL7A causes acrosomal ultrastructural defects in human and mouse sperm as a novel male factor inducing early embryonic arrest. Science Advances, 2020, 6, eaaz4796.	10.3	50
89	Detection of SARS-CoV-2 with SHERLOCK One-Pot Testing. New England Journal of Medicine, 2020, 383, 1492-1494.	27.0	506
90	Bi-allelic SHOC1 loss-of-function mutations cause meiotic arrest and non-obstructive azoospermia. Journal of Medical Genetics, 2020, 58, jmedgenet-2020-107042.	3.2	20

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91	CTCF-mediated chromatin looping in EGR2 regulation and SUZ12 recruitment critical for peripheral myelination and repair. Nature Communications, 2020, 11, 4133.	12.8	27
92	The COVID-19 XPRIZE and the need for scalable, fast, and widespread testing. Nature Biotechnology, 2020, 38, 1021-1024.	17.5	71
93	Rapid and accurate species identification for ecological studies and monitoring using CRISPRâ€based SHERLOCK. Molecular Ecology Resources, 2020, 20, 961-970.	4.8	35
94	Building an international consortium for tracking coronavirus health status. Nature Medicine, 2020, 26, 1161-1165.	30.7	23
95	Association between herpes simplex virus 1 exposure and the risk of depression in UK Biobank. Clinical and Translational Medicine, 2020, 10, e108.	4.0	13
96	Response to Comment on â€œRNA-guided DNA insertion with CRISPR-associated transposasesâ€• Science, 2020, 368, .	12.6	34
97	Highly Parallel Profiling of Cas9 Variant Specificity. Molecular Cell, 2020, 78, 794-800.e8.	9.7	134
98	Bi-allelic DNAH8 Variants Lead to Multiple Morphological Abnormalities of the Sperm Flagella and Primary Male Infertility. American Journal of Human Genetics, 2020, 107, 330-341.	6.2	111
99	DVL mutations identified from human neural tube defects and Dandy-Walker malformation obstruct the Wnt signaling pathway. Journal of Genetics and Genomics, 2020, 47, 301-310.	3.9	6
100	Inside Back Cover, Volume 41, Issue 1. Human Mutation, 2020, 41, ii.	2.5	0
101	Patients with severe asthenoteratospermia carrying SPAG6 or RSPH3 mutations have a positive pregnancy outcome following intracytoplasmic sperm injection. Journal of Assisted Reproduction and Genetics, 2020, 37, 829-840.	2.5	30
102	Homozygous mutations in DZIP1 can induce asthenoteratospermia with severe MMAF. Journal of Medical Genetics, 2020, 57, 445-453.	3.2	57
103	CRISPR-Based Therapeutic Genome Editing: Strategies and InÂVivo Delivery by AAV Vectors. Cell, 2020, 181, 136-150.	28.9	289
104	Increased TBX6 gene dosages induce congenital cervical vertebral malformations in humans and mice. Journal of Medical Genetics, 2020, 57, 371-379.	3.2	23
105	A novel homozygous mutation in WDR19 induces disorganization of microtubules in sperm flagella and nonsyndromic asthenoteratospermia. Journal of Assisted Reproduction and Genetics, 2020, 37, 1431-1439.	2.5	35
106	Rare mutations in the autophagyâ€regulating gene AMBRA1 contribute to human neural tube defects. Human Mutation, 2020, 41, 1383-1393.	2.5	15
107	A novel hemizygous loss-of-function mutation in ADGRG2 causes male infertility with congenital bilateral absence of the vas deferens. Journal of Assisted Reproduction and Genetics, 2020, 37, 1421-1429.	2.5	11
108	Different Gene Networks Are Disturbed by Zika Virus Infection in A Mouse Microcephaly Model. Genomics, Proteomics and Bioinformatics, 2020, 18, 737-748.	6.9	12

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109	Human and mouse studies establish TBX6 in Mendelian CAKUT and as a potential driver of kidney defects associated with the 16p11.2 microdeletion syndrome. Kidney International, 2020, 98, 1020-1030.	5.2	17
110	Rapid SARS-CoV-2 testing in primary material based on a novel multiplex RT-LAMP assay. PLoS ONE, 2020, 15, e0238612.	2.5	58
111	A fertile male with a single sY86 deletion on the Y chromosome. Asian Journal of Andrology, 2020, 22, 333.	1.6	2
112	Novel compound heterozygous variants in dynein axonemal heavy chain 17 cause asthenoteratospermia with sperm flagellar defects. Journal of Genetics and Genomics, 2020, 47, 713-717.	3.9	6
113	Are We There Yet? How and When Specific Biotechnologies Will Improve Human Health. Biotechnology Journal, 2019, 14, e1800195.	3.5	7
114	CRISPR Tools for Systematic Studies of RNA Regulation. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035386.	5.5	22
115	CarboxypeptidaseÂA4 promotes migration and invasion of lung cancer cells, and is closely associated with lymph node metastasis. Precision Radiation Oncology, 2019, 3, 44-51.	1.1	0
116	Modulating gene translational control through genome editing. National Science Review, 2019, 6, 391-391.	9.5	2
117	A cytosine deaminase for programmable single-base RNA editing. Science, 2019, 365, 382-386.	12.6	322
118	DNA Microscopy: Optics-free Spatio-genetic Imaging by a Stand-Alone Chemical Reaction. Cell, 2019, 178, 229-241.e16.	28.9	77
119	Nucleic Acid Detection of Plant Genes Using CRISPR-Cas13. CRISPR Journal, 2019, 2, 165-171.	2.9	92
120	Optical Pooled Screens in Human Cells. Cell, 2019, 179, 787-799.e17.	28.9	170
121	Programmable Inhibition and Detection of RNA Viruses Using Cas13. Molecular Cell, 2019, 76, 826-837.e11.	9.7	286
122	Sequence characterization of RET in 117 Chinese Hirschsprung disease families identifies a large burden of de novo and parental mosaic mutations. Orphanet Journal of Rare Diseases, 2019, 14, 237.	2.7	10
123	Bi-allelic Mutations in TTC29 Cause Male Subfertility with Asthenoteratospermia in Humans and Mice. American Journal of Human Genetics, 2019, 105, 1168-1181.	6.2	62
124	Single-Cell Transcriptomics in Medulloblastoma Reveals Tumor-Initiating Progenitors and Oncogenic Cascades during Tumorigenesis and Relapse. Cancer Cell, 2019, 36, 302-318.e7.	16.8	96
125	Rare variants in FANCA induce premature ovarian insufficiency. Human Genetics, 2019, 138, 1227-1236.	3.8	56
126	A novel approach to remove the batch effect of single-cell data. Cell Discovery, 2019, 5, 46.	6.7	37

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127	SHERLOCK: nucleic acid detection with CRISPR nucleases. Nature Protocols, 2019, 14, 2986-3012.	12.0	851
128	Engineering of CRISPR-Cas12b for human genome editing. Nature Communications, 2019, 10, 212.	12.8	249
129	Loss-of-function mutations in QRICH2 cause male infertility with multiple morphological abnormalities of the sperm flagella. Nature Communications, 2019, 10, 433.	12.8	108
130	Bi-allelic Mutations in ARMC2 Lead to Severe Astheno-Teratozoospermia Due to Sperm Flagellum Malformations in Humans and Mice. American Journal of Human Genetics, 2019, 104, 331-340.	6.2	113
131	RNA-guided DNA insertion with CRISPR-associated transposases. Science, 2019, 365, 48-53.	12.6	448
132	Structural basis for the promiscuous PAM recognition by Corynebacterium diphtheriae Cas9. Nature Communications, 2019, 10, 1968.	12.8	33
133	Unexpected connections between type VI-B CRISPR-Cas systems, bacterial natural competence, ubiquitin signaling network and DNA modification through a distinct family of membrane proteins. FEMS Microbiology Letters, 2019, 366, .	1.8	13
134	A de novo mutation in DHD domain of SKI causing spina bifida with no craniofacial malformation or intellectual disability. American Journal of Medical Genetics, Part A, 2019, 179, 936-939.	1.2	3
135	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. Science, 2019, 364, 292-295.	12.6	491
136	High-Resolution Structure of Cas13b and Biochemical Characterization of RNA Targeting and Cleavage. Cell Reports, 2019, 26, 3741-3751.e5.	6.4	102
137	BRCA2 in Ovarian Development and Function. New England Journal of Medicine, 2019, 380, 1086-1087.	27.0	38
138	Single-Cell Transcriptomics Uncovers Glial Progenitor Diversity and Cell Fate Determinants during Development and Gliomagenesis. Cell Stem Cell, 2019, 24, 707-723.e8.	11.1	145
139	Bi-allelic Mutations in TTC21A Induce Asthenoteratospermia in Humans and Mice. American Journal of Human Genetics, 2019, 104, 738-748.	6.2	103
140	Deficiency of the Fanconi anemia E2 ubiqitin conjugase UBE2T only partially abrogates Alu-mediated recombination in a new model of homology dependent recombination. Nucleic Acids Research, 2019, 47, 3503-3520.	14.5	10
141	Homozygous loss-of-function mutations in FSIP2 cause male infertility with asthenoteratospermia. Journal of Genetics and Genomics, 2019, 46, 53-56.	3.9	31
142	Genome-Wide Off-Target Analysis in CRISPR-Cas9 Modified Mice and Their Offspring. G3: Genes, Genomes, Genetics, 2019, 9, 3645-3651.	1.8	26
143	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244.	8.8	261
144	Curing hemophilia A by NHEJ-mediated ectopic F8 insertion in the mouse. Genome Biology, 2019, 20, 276.	8.8	50

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145	Genomeâ€wide association study and identification of chromosomal enhancer maps in multiple brain regions related to autism spectrum disorder. Autism Research, 2019, 12, 26-32.	3.8	15
146	NovelCFAP43 andCFAP44 mutations cause male infertility with multiple morphological abnormalities of the sperm flagella (MMAF). Reproductive BioMedicine Online, 2019, 38, 769-778.	2.4	26
147	Noncoding rare variants of TBX6 in congenital anomalies of the kidney and urinary tract. Molecular Genetics and Genomics, 2019, 294, 493-500.	2.1	8
148	Whole-exome sequencing reveals SALL4 variants in premature ovarian insufficiency: an update on genotypeâ€“phenotype correlations. Human Genetics, 2019, 138, 83-92.	3.8	27
149	A novel multiplex fluorescent competitive PCR for copy number variation detection. Genomics, 2019, 111, 1745-1751.	2.9	1
150	The copy number variation landscape of congenital anomalies of the kidney and urinary tract. Nature Genetics, 2019, 51, 117-127.	21.4	144
151	Novel homozygousCFAP69mutations in humans and mice cause severe asthenoteratospermia with multiple morphological abnormalities of the sperm flagella. Journal of Medical Genetics, 2019, 56, 96-103.	3.2	70
152	MEOX1 Promotes Tumor Progression and Predicts Poor Prognosis in Human Non-Small-Cell Lung Cancer. International Journal of Medical Sciences, 2019, 16, 68-74.	2.5	11
153	TBX6-associated congenital scoliosis (TACS) as a clinically distinguishable subtype of congenital scoliosis: further evidence supporting the compound inheritance and TBX6 gene dosage model. Genetics in Medicine, 2019, 21, 1548-1558.	2.4	60
154	TBX6 compound inheritance leads to congenital vertebral malformations in humans and mice. Human Molecular Genetics, 2019, 28, 539-547.	2.9	46
155	Biallelic mutations of CFAP251 cause sperm flagellar defects and human male infertility. Journal of Human Genetics, 2019, 64, 49-54.	2.3	56
156	Mapping a functional cancer genome atlas of tumor suppressors in mouse liver using AAV-CRISPRâ€“mediated direct in vivo screening. Science Advances, 2018, 4, eaao5508.	10.3	64
157	Response to Brosens et al. Genetics in Medicine, 2018, 20, 1479-1480.	2.4	0
158	Effects of 3D culturing conditions on the transcriptomic profile of stem-cell-derived neurons. Nature Biomedical Engineering, 2018, 2, 540-554.	22.5	78
159	Integrated design, execution, and analysis of arrayed and pooled CRISPR genome-editing experiments. Nature Protocols, 2018, 13, 946-986.	12.0	70
160	Multiplexed and portable nucleic acid detection platform with Cas13, Cas12a, and Csm6. Science, 2018, 360, 439-444.	12.6	1,649
161	The nuclear matrix protein HNRNPU maintains 3D genome architecture globally in mouse hepatocytes. Genome Research, 2018, 28, 192-202.	5.5	91
162	Field-deployable viral diagnostics using CRISPR-Cas13. Science, 2018, 360, 444-448.	12.6	982

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163	RET somatic mutations are underrecognized in Hirschsprung disease. Genetics in Medicine, 2018, 20, 770-777.	2.4	24
164	Conferring DNA virus resistance with high specificity in plants using virus-inducible genome-editing system. Genome Biology, 2018, 19, 197.	8.8	59
165	MEKK3 coordinates with FBW7 to regulate WDR62 stability and neurogenesis. PLoS Biology, 2018, 16, e2006613.	5.6	14
166	Elevated microRNA-520d-5p in the serum of patients with Parkinson's disease, possibly through regulation of cereloplasmin expression. Neuroscience Letters, 2018, 687, 88-93.	2.1	14
167	Deletion of exon 4 in LAMA2 is the most frequent mutation in Chinese patients with laminin Î±2-related muscular dystrophy. Scientific Reports, 2018, 8, 14989.	3.3	17
168	Clinical outcomes of arthroscopic synovectomy for adolescent or young adult patients with advanced haemophilic arthropathy. Experimental and Therapeutic Medicine, 2018, 16, 3883-3888.	1.8	5
169	m6A facilitates hippocampus-dependent learning and memory through YTHDF1. Nature, 2018, 563, 249-253.	27.8	354
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