

Feng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

353
papers

90,625
citations

1296

112
h-index

458

279
g-index

387
all docs

387
docs citations

387
times ranked

85115
citing authors

#	ARTICLE	IF	CITATIONS
1	Homozygous variants in <i>AKAP3</i> induce asthenoteratozoospermia and male infertility. <i>Journal of Medical Genetics</i> , 2023, 60, 137-143.	1.5	9
2	Haploinsufficiency in non-homologous end joining factor 1 induces ovarian dysfunction in humans and mice. <i>Journal of Medical Genetics</i> , 2022, 59, 579-588.	1.5	3
3	Homozygous mutations in <i>CCDC34</i> cause male infertility with oligoasthenoteratozoospermia in humans and mice. <i>Journal of Medical Genetics</i> , 2022, 59, 710-718.	1.5	20
4	Compact RNA editors with small Cas13 proteins. <i>Nature Biotechnology</i> , 2022, 40, 194-197.	9.4	86
5	Modulation of Immune Reaction in Hydrodynamic Gene Therapy for Hemophilia A. <i>Human Gene Therapy</i> , 2022, 33, 404-420.	1.4	2
6	Modified strict sperm morphology threshold aids in the clinical selection of conventional in vitro fertilization (IVF) or intracytoplasmic sperm injection (ICSI). <i>Asian Journal of Andrology</i> , 2022, 24, 62.	0.8	3
7	scMAGIC: accurately annotating single cells using two rounds of reference-based classification. <i>Nucleic Acids Research</i> , 2022, 50, e43-e43.	6.5	11
8	CDC42 controlled apical-basal polarity regulates intestinal stem cell to transit amplifying cell fate transition via YAP-EGF-mTOR signaling. <i>Cell Reports</i> , 2022, 38, 110009.	2.9	17
9	Improved and Flexible HDR Editing by Targeting Introns in iPSCs. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 1822-1833.	1.7	6
10	Homozygous mutation in <i>SLO3</i> leads to severe asthenoteratozoospermia due to acrosome hypoplasia and mitochondrial sheath malformations. <i>Reproductive Biology and Endocrinology</i> , 2022, 20, 5.	1.4	11
11	CRISPR DNA- and RNP-Mediated Genome Editing via <i>Nicotiana benthamiana</i> Protoplast Transformation and Regeneration. <i>Methods in Molecular Biology</i> , 2022, 2464, 65-82.	0.4	2
12	Protoplast Isolation, Transfection, and Gene Editing for Soybean (<i>Glycine max</i>). <i>Methods in Molecular Biology</i> , 2022, 2464, 173-186.	0.4	5
13	<i>HSD17B12</i> dosage insufficiency induced premature ovarian insufficiency in humans and mice. <i>Clinical and Translational Medicine</i> , 2022, 12, e737.	1.7	0
14	CEP128 is involved in spermatogenesis in humans and mice. <i>Nature Communications</i> , 2022, 13, 1395.	5.8	23
15	Epistasis at the SARS-CoV-2 Receptor-Binding Domain Interface and the Propitiously Boring Implications for Vaccine Escape. <i>MBio</i> , 2022, 13, e0013522.	1.8	35
16	Whole-Exome Sequencing Identifies the <i>VHL</i> Mutation (c.262T > C, p.Try88Arg) in Non-Obstructive Azoospermia-Associated Cystic Renal Cell Carcinoma. <i>Current Oncology</i> , 2022, 29, 2376-2384.	0.9	3
17	CRISPR activation screen identifies <i>BCL-2</i> proteins and <i>B3GNT2</i> as drivers of cancer resistance to T cell-mediated cytotoxicity. <i>Nature Communications</i> , 2022, 13, 1606.	5.8	40
18	Deficiency of X-linked <i>TENT5D</i> causes male infertility by disrupting the mRNA stability during spermatogenesis. <i>Cell Discovery</i> , 2022, 8, 23.	3.1	12

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19	POSH regulates assembly of the NMDAR/PSD-95/Shank complex and synaptic function. <i>Cell Reports</i> , 2022, 39, 110642.	2.9	7
20	Molecular mechanisms underlying cTAGE5/MEA6-mediated cargo transport and biological functions. <i>Journal of Genetics and Genomics</i> , 2022, 49, 519-522.	1.7	2
21	Genome-wide loss of CHH methylation with limited transcriptome changes in <i>Setaria viridis</i> . DOMAINS REARRANGED METHYLTRANSFERASE (DRM) mutants. <i>Plant Journal</i> , 2022, 111, 103-116.	2.8	2
22	Progressive motility in elucidating novel genetic causes of male infertility. <i>Asian Journal of Andrology</i> , 2022, 24, 229.	0.8	0
23	Evaluation of inactivated COVID-19 vaccine on semen parameters in reproductive-age males: a retrospective cohort study. <i>Asian Journal of Andrology</i> , 2022, 24, 441.	0.8	21
24	UG/Abi: a highly diverse family of prokaryotic reverse transcriptases associated with defense functions. <i>Nucleic Acids Research</i> , 2022, 50, 6084-6101.	6.5	11
25	Human pathogenic RNA viruses establish noncompeting lineages by occupying independent niches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9
26	Homozygous Variant in KASH5 Causes Premature Ovarian Insufficiency by Disordered Meiotic Homologous Pairing. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 2589-2597.	1.8	7
27	Epigenetic features drastically impact CRISPR-Cas9 efficacy in plants. <i>Plant Physiology</i> , 2022, 190, 1153-1164.	2.3	25
28	Novel bi-allelic variants in KASH5 are associated with meiotic arrest and non-obstructive azoospermia. <i>Molecular Human Reproduction</i> , 2022, 28, .	1.3	4
29	Diagnostic yield and clinical impact of exome sequencing in early-onset scoliosis (EOS). <i>Journal of Medical Genetics</i> , 2021, 58, 41-47.	1.5	40
30	A heterozygous hypomorphic mutation of Fanca causes impaired follicle development and subfertility in female mice. <i>Molecular Genetics and Genomics</i> , 2021, 296, 103-112.	1.0	9
31	Novel loss-of-function variants in DNAH17 cause multiple morphological abnormalities of the sperm flagella in humans and mice. <i>Clinical Genetics</i> , 2021, 99, 176-186.	1.0	26
32	Response to the letter to the editor Concerns regarding the potentially causal role of FANCA heterozygous variants in human primary ovarian insufficiency. <i>Human Genetics</i> , 2021, 140, 695-697.	1.8	2
33	Whole exome sequencing and trio analysis to broaden the variant spectrum of genes in idiopathic hypogonadotropic hypogonadism. <i>Asian Journal of Andrology</i> , 2021, 23, 288.	0.8	5
34	Deleterious variants in X-linked CFAP47 induce asthenoteratozoospermia and primary male infertility. <i>American Journal of Human Genetics</i> , 2021, 108, 309-323.	2.6	74
35	Perturbations of genes essential for Mullerian duct and Wolffian duct development in Mayer-Rokitansky-Kuster-Hauser syndrome. <i>American Journal of Human Genetics</i> , 2021, 108, 337-345.	2.6	41
36	OLIG2 maintenance is not essential for diffuse intrinsic pontine glioma cell line growth but regulates tumor phenotypes. <i>Neuro-Oncology</i> , 2021, 23, 1183-1196.	0.6	4

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37	Lipid nanoparticle-mediated codelivery of Cas9 mRNA and single-guide RNA achieves liver-specific in vivo genome editing of <i>Angptl3</i> . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	192
38	Dual modes of CRISPR-associated transposon homing. Cell, 2021, 184, 2441-2453.e18.	13.5	86
39	A cellular and spatial map of the choroid plexus across brain ventricles and ages. Cell, 2021, 184, 3056-3074.e21.	13.5	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.	1.1	19
41	Temporal transcriptomic landscape of postnatal mouse ovaries reveals dynamic gene signatures associated with ovarian aging. Human Molecular Genetics, 2021, 30, 1941-1954.	1.4	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.	1.4	26
43	Novel Mutations in X-Linked, USP26-Induced Asthenoteratozoospermia and Male Infertility. Cells, 2021, 10, 1594.	1.8	6
44	LAMP-Seq enables sensitive, multiplexed COVID-19 diagnostics using molecular barcoding. Nature Biotechnology, 2021, 39, 1556-1562.	9.4	46
45	CFAP65 is required in the acrosome biogenesis and mitochondrial sheath assembly during spermiogenesis. Human Molecular Genetics, 2021, 30, 2240-2254.	1.4	18
46	Bi-allelic truncating variants in CFAP206 cause male infertility in human and mouse. Human Genetics, 2021, 140, 1367-1377.	1.8	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, .	3.3	196
48	CRISPR-based diagnostics. Nature Biomedical Engineering, 2021, 5, 643-656.	11.6	492
49	Plant genome engineering from lab to field—a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 35-54.	1.8	4
50	Mammalian retrovirus-like protein PEG10 packages its own mRNA and can be pseudotyped for mRNA delivery. Science, 2021, 373, 882-889.	6.0	214
51	Effective control of large deletions after double-strand breaks by homology-directed repair and dsODN insertion. Genome Biology, 2021, 22, 236.	3.8	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.	2.6	50
53	Generation of hypothalamic arcuate organoids from human induced pluripotent stem cells. Cell Stem Cell, 2021, 28, 1657-1670.e10.	5.2	72
54	The widespread IS200/IS605 transposon family encodes diverse programmable RNA-guided endonucleases. Science, 2021, 374, 57-65.	6.0	152

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55	Adaptive responses to <i>mTOR</i> gene targeting in hematopoietic stem cells reveal a proliferative mechanism evasive to mTOR inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
56	Editorial: New Genome Editing Tools and Resources: Enabling Gene Discovery and Functional Genomics. <i>Frontiers in Genome Editing</i> , 2021, 3, 771622.	2.7	1
57	Nanomedicine potentiates mild photothermal therapy for tumor ablation. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021, 16, 738-761.	4.3	43
58	A recurrent rare intronic variant in <i>CAPN3</i> alters mRNA splicing and causes autosomal recessive limb-girdle muscular dystrophy in three Pakistani pedigrees. <i>American Journal of Medical Genetics, Part A</i> , 2021, , .	0.7	0
59	CRISPR/Cas9 Delivery System Engineering for Genome Editing in Therapeutic Applications. <i>Pharmaceutics</i> , 2021, 13, 1649.	2.0	35
60	Genetic analysis of osteopetrosis in Pakistani families identifies novel and known sequence variants. <i>BMC Medical Genomics</i> , 2021, 14, 264.	0.7	2
61	Whole exome sequencing identified a rare <i>WT1</i> loss-of-function variant in a non-syndromic POI patient. <i>Molecular Genetics & Genomic Medicine</i> , 2021, , e1820.	0.6	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. <i>Frontiers in Genetics</i> , 2021, 12, 741607.	1.1	0
63	Efficiency, Specificity and Temperature Sensitivity of Cas9 and Cas12a RNPs for DNA-free Genome Editing in Plants. <i>Frontiers in Genome Editing</i> , 2021, 3, 760820.	2.7	12
64	Cargo Genes of Tn7-Like Transposons Comprise an Enormous Diversity of Defense Systems, Mobile Genetic Elements, and Antibiotic Resistance Genes. <i>MBio</i> , 2021, 12, e0293821.	1.8	34
65	Homozygous mutations in <i>SPEF2</i> induce multiple morphological abnormalities of the sperm flagella and male infertility. <i>Journal of Medical Genetics</i> , 2020, 57, 31-37.	1.5	57
66	Biallelic mutations in <i>CFAP65</i> cause male infertility with multiple morphological abnormalities of the sperm flagella in humans and mice. <i>Journal of Medical Genetics</i> , 2020, 57, 89-95.	1.5	55
67	Joint utilization of genetic analysis and semi-cloning technology reveals a digenic etiology of MÄ¼llerian anomalies. <i>Cell Research</i> , 2020, 30, 91-94.	5.7	10
68	Xq22 deletions and correlation with distinct neurological disease traits in females: Further evidence for a contiguous gene syndrome. <i>Human Mutation</i> , 2020, 41, 150-168.	1.1	15
69	The Nuclear Matrix Protein SAFB Cooperates with Major Satellite RNAs to Stabilize Heterochromatin Architecture Partially through Phase Separation. <i>Molecular Cell</i> , 2020, 77, 368-383.e7.	4.5	104
70	<i>TBX6</i> missense variants expand the mutational spectrum in a non-Mendelian inheritance disease. <i>Human Mutation</i> , 2020, 41, 182-195.	1.1	27
71	Front Cover, Volume 41, Issue 1. <i>Human Mutation</i> , 2020, 41, i.	1.1	0
72	Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , 2020, 18, 67-83.	13.6	1,427

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73	A Survey of Genome Editing Activity for 16 Cas12a Orthologs. <i>Keio Journal of Medicine</i> , 2020, 69, 59-65.	0.5	41
74	MircroRNA-10b Promotes Human Embryonic Stem Cell-Derived Cardiomyocyte Proliferation via Novel Target Gene LATS1. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 437-445.	2.3	14
75	Clinical characteristics of recovered COVID-19 patients with re-detectable positive RNA test. <i>Annals of Translational Medicine</i> , 2020, 8, 1084-1084.	0.7	128
76	In vivo Perturb-Seq reveals neuronal and glial abnormalities associated with autism risk genes. <i>Science</i> , 2020, 370, .	6.0	155
77	Rationally Designed APOBEC3B Cytosine Base Editors with Improved Specificity. <i>Molecular Cell</i> , 2020, 79, 728-740.e6.	4.5	104
78	Rare deleterious BUB1B variants induce premature ovarian insufficiency and early menopause. <i>Human Molecular Genetics</i> , 2020, 29, 2698-2707.	1.4	13
79	Bi-allelic Loss-of-function Variants in CFAP58 Cause Flagellar Axoneme and Mitochondrial Sheath Defects and Asthenoteratozoospermia in Humans and Mice. <i>American Journal of Human Genetics</i> , 2020, 107, 514-526.	2.6	71
80	Optimization of multiplexed CRISPR/Cas9 system for highly efficient genome editing in <i>Setaria viridis</i> . <i>Plant Journal</i> , 2020, 104, 828-838.	2.8	48
81	Molecular structure and evolution mechanism of two populations of double minutes in human colorectal cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14205-14216.	1.6	9
82	Unsupervised Inference of Developmental Directions for Single Cells Using VECTOR. <i>Cell Reports</i> , 2020, 32, 108069.	2.9	11
83	A <i>DNAH17</i> missense variant causes flagella destabilization and asthenozoospermia. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	88
84	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. <i>Cell Stem Cell</i> , 2020, 27, 937-950.e9.	5.2	314
85	Î²-Sitosterol-loaded solid lipid nanoparticles ameliorate complete Freund's adjuvant-induced arthritis in rats: involvement of NF-Î²B and HO-1/Nrf-2 pathway. <i>Drug Delivery</i> , 2020, 27, 1329-1341.	2.5	59
86	Clinical validation of a Cas13-based assay for the detection of SARS-CoV-2 RNA. <i>Nature Biomedical Engineering</i> , 2020, 4, 1140-1149.	11.6	442
87	Diverse enzymatic activities mediate antiviral immunity in prokaryotes. <i>Science</i> , 2020, 369, 1077-1084.	6.0	302
88	Disruption in <i>ACTL7A</i> causes acrosomal ultrastructural defects in human and mouse sperm as a novel male factor inducing early embryonic arrest. <i>Science Advances</i> , 2020, 6, eaaz4796.	4.7	50
89	Detection of SARS-CoV-2 with SHERLOCK One-Pot Testing. <i>New England Journal of Medicine</i> , 2020, 383, 1492-1494.	13.9	506
90	Bi-allelic SHOC1 loss-of-function mutations cause meiotic arrest and non-obstructive azoospermia. <i>Journal of Medical Genetics</i> , 2020, 58, jmedgenet-2020-107042.	1.5	20

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91	CTCF-mediated chromatin looping in EGR2 regulation and SUZ12 recruitment critical for peripheral myelination and repair. <i>Nature Communications</i> , 2020, 11, 4133.	5.8	27
92	The COVID-19 XPRIZE and the need for scalable, fast, and widespread testing. <i>Nature Biotechnology</i> , 2020, 38, 1021-1024.	9.4	71
93	Rapid and accurate species identification for ecological studies and monitoring using CRISPR-based SHERLOCK. <i>Molecular Ecology Resources</i> , 2020, 20, 961-970.	2.2	35
94	Building an international consortium for tracking coronavirus health status. <i>Nature Medicine</i> , 2020, 26, 1161-1165.	15.2	23
95	Association between herpes simplex virus 1 exposure and the risk of depression in UK Biobank. <i>Clinical and Translational Medicine</i> , 2020, 10, e108.	1.7	13
96	Response to Comment on "crRNA-guided DNA insertion with CRISPR-associated transposases". <i>Science</i> , 2020, 368, .	6.0	34
97	Highly Parallel Profiling of Cas9 Variant Specificity. <i>Molecular Cell</i> , 2020, 78, 794-800.e8.	4.5	134
98	Bi-allelic DNAH8 Variants Lead to Multiple Morphological Abnormalities of the Sperm Flagella and Primary Male Infertility. <i>American Journal of Human Genetics</i> , 2020, 107, 330-341.	2.6	111
99	DVL mutations identified from human neural tube defects and Dandy-Walker malformation obstruct the Wnt signaling pathway. <i>Journal of Genetics and Genomics</i> , 2020, 47, 301-310.	1.7	6
100	Inside Back Cover, Volume 41, Issue 1. <i>Human Mutation</i> , 2020, 41, ii.	1.1	0
101	Patients with severe asthenoteratospermia carrying SPAG6 or RSPH3 mutations have a positive pregnancy outcome following intracytoplasmic sperm injection. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 829-840.	1.2	30
102	Homozygous mutations in <i>DZIP1</i> can induce asthenoteratospermia with severe MMAF. <i>Journal of Medical Genetics</i> , 2020, 57, 445-453.	1.5	57
103	CRISPR-Based Therapeutic Genome Editing: Strategies and In Vivo Delivery by AAV Vectors. <i>Cell</i> , 2020, 181, 136-150.	13.5	289
104	Increased TBX6 gene dosages induce congenital cervical vertebral malformations in humans and mice. <i>Journal of Medical Genetics</i> , 2020, 57, 371-379.	1.5	23
105	A novel homozygous mutation in WDR19 induces disorganization of microtubules in sperm flagella and nonsyndromic asthenoteratospermia. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1431-1439.	1.2	35
106	Rare mutations in the autophagy-regulating gene <i>AMBRA1</i> contribute to human neural tube defects. <i>Human Mutation</i> , 2020, 41, 1383-1393.	1.1	15
107	A novel hemizygous loss-of-function mutation in ADGRG2 causes male infertility with congenital bilateral absence of the vas deferens. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1421-1429.	1.2	11
108	Different Gene Networks Are Disturbed by Zika Virus Infection in A Mouse Microcephaly Model. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 737-748.	3.0	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. <i>Kidney International</i> , 2020, 98, 1020-1030.	2.6	17
110	Rapid SARS-CoV-2 testing in primary material based on a novel multiplex RT-LAMP assay. <i>PLoS ONE</i> , 2020, 15, e0238612.	1.1	58
111	A fertile male with a single sY86 deletion on the Y chromosome. <i>Asian Journal of Andrology</i> , 2020, 22, 333.	0.8	2
112	Novel compound heterozygous variants in dynein axonemal heavy chain 17 cause asthenoteratospermia with sperm flagellar defects. <i>Journal of Genetics and Genomics</i> , 2020, 47, 713-717.	1.7	6
113	Are We There Yet? How and When Specific Biotechnologies Will Improve Human Health. <i>Biotechnology Journal</i> , 2019, 14, e1800195.	1.8	7
114	CRISPR Tools for Systematic Studies of RNA Regulation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035386.	2.3	22
115	Carboxypeptidase \AA 4 promotes migration and invasion of lung cancer cells, and is closely associated with lymph node metastasis. <i>Precision Radiation Oncology</i> , 2019, 3, 44-51.	0.4	0
116	Modulating gene translational control through genome editing. <i>National Science Review</i> , 2019, 6, 391-391.	4.6	2
117	A cytosine deaminase for programmable single-base RNA editing. <i>Science</i> , 2019, 365, 382-386.	6.0	322
118	DNA Microscopy: Optics-free Spatio-genetic Imaging by a Stand-Alone Chemical Reaction. <i>Cell</i> , 2019, 178, 229-241.e16.	13.5	77
119	Nucleic Acid Detection of Plant Genes Using CRISPR-Cas13. <i>CRISPR Journal</i> , 2019, 2, 165-171.	1.4	92
120	Optical Pooled Screens in Human Cells. <i>Cell</i> , 2019, 179, 787-799.e17.	13.5	170
121	Programmable Inhibition and Detection of RNA Viruses Using Cas13. <i>Molecular Cell</i> , 2019, 76, 826-837.e11.	4.5	286
122	Sequence characterization of RET in 117 Chinese Hirschsprung disease families identifies a large burden of de novo and parental mosaic mutations. <i>Orphanet Journal of Rare Diseases</i> , 2019, 14, 237.	1.2	10
123	Bi-allelic Mutations in TTC29 Cause Male Subfertility with Asthenoteratospermia in Humans and Mice. <i>American Journal of Human Genetics</i> , 2019, 105, 1168-1181.	2.6	62
124	Single-Cell Transcriptomics in Medulloblastoma Reveals Tumor-Initiating Progenitors and Oncogenic Cascades during Tumorigenesis and Relapse. <i>Cancer Cell</i> , 2019, 36, 302-318.e7.	7.7	96
125	Rare variants in FANCA induce premature ovarian insufficiency. <i>Human Genetics</i> , 2019, 138, 1227-1236.	1.8	56
126	A novel approach to remove the batch effect of single-cell data. <i>Cell Discovery</i> , 2019, 5, 46.	3.1	37

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127	SHERLOCK: nucleic acid detection with CRISPR nucleases. Nature Protocols, 2019, 14, 2986-3012.	5.5	851
128	Engineering of CRISPR-Cas12b for human genome editing. Nature Communications, 2019, 10, 212.	5.8	249
129	Loss-of-function mutations in QRICH2 cause male infertility with multiple morphological abnormalities of the sperm flagella. Nature Communications, 2019, 10, 433.	5.8	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.	2.6	113
131	RNA-guided DNA insertion with CRISPR-associated transposases. Science, 2019, 365, 48-53.	6.0	448
132	Structural basis for the promiscuous PAM recognition by Corynebacterium diphtheriae Cas9. Nature Communications, 2019, 10, 1968.	5.8	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, .	0.7	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.	0.7	3
135	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. Science, 2019, 364, 292-295.	6.0	491
136	High-Resolution Structure of Cas13b and Biochemical Characterization of RNA Targeting and Cleavage. Cell Reports, 2019, 26, 3741-3751.e5.	2.9	102
137	<i>BRCA2</i> in Ovarian Development and Function. New England Journal of Medicine, 2019, 380, 1086-1087.	13.9	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.	5.2	145
139	Bi-allelic Mutations in TTC21A Induce Asthenoteratospermia in Humans and Mice. American Journal of Human Genetics, 2019, 104, 738-748.	2.6	103
140	Deficiency of the Fanconi anemia E2 ubiquitin conjugase UBE2T only partially abrogates Alu-mediated recombination in a new model of homology dependent recombination. Nucleic Acids Research, 2019, 47, 3503-3520.	6.5	10
141	Homozygous loss-of-function mutations in FSIP2 cause male infertility with asthenoteratospermia. Journal of Genetics and Genomics, 2019, 46, 53-56.	1.7	31
142	Genome-Wide Off-Target Analysis in CRISPR-Cas9 Modified Mice and Their Offspring. G3: Genes, Genomes, Genetics, 2019, 9, 3645-3651.	0.8	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.	3.8	261
144	Curing hemophilia A by NHEJ-mediated ectopic F8 insertion in the mouse. Genome Biology, 2019, 20, 276.	3.8	50

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145	Genome-wide association study and identification of chromosomal enhancer maps in multiple brain regions related to autism spectrum disorder. <i>Autism Research</i> , 2019, 12, 26-32.	2.1	15
146	Novel CFAP43 and CFAP44 mutations cause male infertility with multiple morphological abnormalities of the sperm flagella (MMAF). <i>Reproductive BioMedicine Online</i> , 2019, 38, 769-778.	1.1	26
147	Noncoding rare variants of TBX6 in congenital anomalies of the kidney and urinary tract. <i>Molecular Genetics and Genomics</i> , 2019, 294, 493-500.	1.0	8
148	Whole-exome sequencing reveals SALL4 variants in premature ovarian insufficiency: an update on genotype-phenotype correlations. <i>Human Genetics</i> , 2019, 138, 83-92.	1.8	27
149	A novel multiplex fluorescent competitive PCR for copy number variation detection. <i>Genomics</i> , 2019, 111, 1745-1751.	1.3	1
150	The copy number variation landscape of congenital anomalies of the kidney and urinary tract. <i>Nature Genetics</i> , 2019, 51, 117-127.	9.4	144
151	Novel homozygous CFAP69 mutations in humans and mice cause severe asthenoteratospermia with multiple morphological abnormalities of the sperm flagella. <i>Journal of Medical Genetics</i> , 2019, 56, 96-103.	1.5	70
152	MEOX1 Promotes Tumor Progression and Predicts Poor Prognosis in Human Non-Small-Cell Lung Cancer. <i>International Journal of Medical Sciences</i> , 2019, 16, 68-74.	1.1	11
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