Zhengfeng Xu

List of Publications by Year
in descending order

36	1,121	516215 16	414034 32
papers	citations	h-index	g-index

38	38	38	1317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical application of massively parallel sequencingâ€based prenatal noninvasive fetal trisomy test for trisomies 21 and 18 in 11â€‰105 pregnancies with mixed risk factors. Prenatal Diagnosis, 2012, 32, 1225-1232.	1.1	197
2	Low-pass whole-genome sequencing in clinical cytogenetics: a validated approach. Genetics in Medicine, 2016, 18, 940-948.	1.1	138
3	The adipocyte lipid-binding protein at 1.6-A resolution. Crystal structures of the apoprotein and with bound saturated and unsaturated fatty acids. Journal of Biological Chemistry, 1993, 268, 7874-84.	1.6	115
4	A method for noninvasive detection of fetal large deletions/duplications by low coverage massively parallel sequencing. Prenatal Diagnosis, 2013, 33, 584-590.	1.1	103
5	Clinical application of <scp>SNP</scp> array analysis in firstâ€trimester pregnancy loss: a prospective study. Clinical Genetics, 2017, 91, 849-858.	1.0	59
6	Prenatal chromosomal microarray analysis in fetuses with congenital heart disease: a prospective cohort study. American Journal of Obstetrics and Gynecology, 2018, 218, 244.e1-244.e17.	0.7	56
7	Systematic analysis of copyâ€number variations associated with early pregnancy loss. Ultrasound in Obstetrics and Gynecology, 2020, 55, 96-104.	0.9	53
8	An enrichment method to increase cell-free fetal DNA fraction and significantly reduce false negatives and test failures for non-invasive prenatal screening: a feasibility study. Journal of Translational Medicine, 2019, 17, 124.	1.8	47
9	Clinical application of targeted nextâ€generation sequencing in fetuses with congenital heart defect. Ultrasound in Obstetrics and Gynecology, 2018, 52, 205-211.	0.9	37
10	Perinatal outcomes following cellâ€free DNA screening in >32Â000 women: Clinical followâ€up data from a single tertiary center. Prenatal Diagnosis, 2018, 38, 755-764.	1.1	36
11	Comprehensive evaluation of genetic variants using chromosomal microarray analysis and exome sequencing in fetuses with congenital heart defect. Ultrasound in Obstetrics and Gynecology, 2021, 58, 377-387.	0.9	31
12	Clinical application of wholeâ€genome lowâ€coverage nextâ€generation sequencing to detect and characterize balanced chromosomal translocations. Clinical Genetics, 2017, 91, 605-610.	1.0	28
13	Carrier Screening and Prenatal Diagnosis for Spinal Muscular Atrophy in 13,069 Chinese Pregnant Women. Journal of Molecular Diagnostics, 2020, 22, 817-822.	1.2	24
14	A De Novo heterozygous frameshift mutation identified in BCL11B causes neurodevelopmental disorder by whole exome sequencing. Molecular Genetics & Genomic Medicine, 2019, 7, e897.	0.6	22
15	Novel Missense Variants of ZFPM2/FOG2 Identified in Conotruncal Heart Defect Patients Do Not Impair Interaction with GATA4. PLoS ONE, 2014, 9, e102379.	1.1	21
16	DdCBE-mediated mitochondrial base editing in human 3PN embryos. Cell Discovery, 2022, 8, 8.	3.1	21
17	Molecular diagnostic in fetuses with isolated congenital anomalies of the kidney and urinary tract by wholeâ€exome sequencing. Journal of Clinical Laboratory Analysis, 2020, 34, e23480.	0.9	15
18	Genetic analysis of 62 Chinese families with Duchenne muscular dystrophy and strategies of prenatal diagnosis in a single center. BMC Medical Genetics, 2019, 20, 180.	2.1	14

#	Article	IF	Citations
19	Copy number variations and fetal ventriculomegaly. Current Opinion in Obstetrics and Gynecology, 2018, 30, 104-110.	0.9	13
20	Enhancing GluN2A-type NMDA receptors impairs long-term synaptic plasticity and learning and memory. Molecular Psychiatry, 2022, 27, 3468-3478.	4.1	13
21	Analysis of Biomarkers for Congenital Heart Disease Based on Maternal Amniotic Fluid Metabolomics. Frontiers in Cardiovascular Medicine, 2021, 8, 671191.	1.1	10
22	Identification of Chromosomal Abnormalities in Early Pregnancy Loss Using a High-Throughput Ligation-Dependent Probe Amplificationâ€“Based Assay. Journal of Molecular Diagnostics, 2021, 23, 38-45.	1.2	8
23	Molecular characterization of ring chromosome 18 by low-coverage next generation sequencing. BMC Medical Genetics, 2015, 16, 57.	2.1	7
24	A novel splice site mutation in the UBE2A gene leads to aberrant mRNA splicing in a Chinese patient with Xâ€linked intellectual disability type Nascimento. Molecular Genetics & Genomic Medicine, 2019, 7, e976.	0.6	7
25	Diagnosis of Shashi-Pena Syndrome Caused by Chromosomal Rearrangement Using Nanopore Sequencing. Neurology: Genetics, 2021, 7, e635.	0.9	7
26	Analyzing falseâ€negative results detected in lowâ€risk nonâ€invasive prenatal screening cases. Molecular Genetics & Genomic Medicine, 2020, 8, e1185.	0.6	5
27	Identification and characterization of a novel 43-bp deletion mutation of the ATP7B gene in a Chinese patient with Wilsonâ€™s disease: a case report. BMC Medical Genetics, 2018, 19, 61.	2.1	4
28	A novel LGI1 mutation causing autosomal dominant lateral temporal lobe epilepsy confirmed by a precise knockâ€in mouse model. CNS Neuroscience and Therapeutics, 2021, , .	1.9	4
29	A capillary electrophoresis-based multiplex PCR assay for expanded carrier screening in the eastern Han Chinese population. Npj Genomic Medicine, 2022, 7, 6.	1.7	4
30	Pregnancy outcomes of rare autosomal trisomies results in nonâ€invasive prenatal screening: clinical followâ€up data from a single tertiary centre. Journal of Cellular and Molecular Medicine, 2022, 26, 2251-2258.	1.6	4
31	Whole-transcriptome sequencing identifies key mRNAs, miRNAs, lncRNAs, and circRNAs associated with unexplained recurrent pregnancy loss. Cell and Tissue Research, 2022, , 1.	1.5	4
32	Application of next-generation sequencing for the diagnosis of fetuses with congenital heart defects. Current Opinion in Obstetrics and Gynecology, 2019, 31, 132-138.	0.9	3
33	Current attitudes and preconceptions towards expanded carrier screening in the Eastern Chinese reproductive-aged population. Journal of Assisted Reproduction and Genetics, 2021, 38, 697-707.	1.2	3
34	Analysis of microbial differences in amniotic fluid between advanced and normal age pregnant women. Journal of Translational Medicine, 2021, 19, 320.	1.8	3
35	Relationship between amniotic fluid metabolic profile with fetal gender, maternal age, and gestational week. BMC Pregnancy and Childbirth, 2021, 21, 638.	0.9	2
36	Prolineâ€rich transmembrane protein 2 specifically binds to GluA1 but has no effect on AMPA receptorâ€mediated synaptic transmission. Journal of Clinical Laboratory Analysis, 2022, 36, e24196.	0.9	2