Can Liao

List of Publications by Year
in descending order

82 papers	1,395 citations	331259 21 h-index	395343 33 g-index
94 all docs	94 docs citations	94 times ranked	1961 citing authors

#	Article	IF	Citations
1	A novel splicing mutation of ARHGAP29 is associated with nonsyndromic cleft lip with or without cleft palate. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 2499-2506.	0.7	7
2	The Application of Crownâ€Chin Length to Crownâ€Rump Length Ratio in Predicting Fetal Skeletal Dysplasia at First Trimester. Journal of Ultrasound in Medicine, 2022, , .	0.8	0
3	Impaired bone marrow microenvironment and stem cells in transfusion-dependent beta-thalassemia. Biomedicine and Pharmacotherapy, 2022, 146, 112548.	2.5	3
4	Prenatal exome sequencing in fetuses with callosal anomalies. Prenatal Diagnosis, 2022, 42, 744-752.	1.1	10
5	Contribution of maternal mosaicism to false-positive chromosome X loss associated with noninvasive prenatal testing. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 9647-9653.	0.7	4
6	Identification of differential microRNAs and messenger RNAs resulting from ASXL transcriptional regulator 3 knockdown during during heart development. Bioengineered, 2022, 13, 9948-9961.	1.4	2
7	Differential effects of macrophage subtypes on SARS-CoV-2 infection in a human pluripotent stem cell-derived model. Nature Communications, 2022, 13, 2028.	5.8	34
8	Case Report: Two Novel L1CAM Mutations in Two Unrelated Chinese Families With X-Linked Hydrocephalus. Frontiers in Genetics, 2022, 13, 810853.	1.1	0
9	The Genetic and Clinical Outcomes in Fetuses With Isolated Fetal Growth Restriction: A Chinese Single-Center Retrospective Study. Frontiers in Genetics, 2022, 13, 856522.	1.1	4
10	Prenatal diagnosis of submicroscopic chromosomal aberrations in fetuses with congenital cystic adenomatoid malformation by chromosomal microarray analysis. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 2623-2629.	0.7	3
11	Compound heterozygous mutation of the ASXL3 gene causes autosomal recessive congenital heart disease. Human Genetics, 2021, 140, 333-348.	1.8	17
12	Microarray analysis in fetuses with duodenal obstruction: It is not just trisomy 21. Prenatal Diagnosis, 2021, 41, 316-322.	1.1	10
13	Clinical analysis and pluripotent stem cells-based model reveal possible impacts of ACE2 and lung progenitor cells on infants vulnerable to COVID-19. Theranostics, 2021, 11, 2170-2181.	4.6	14
14	Noninvasive prenatal testing of Î±-thalassemia and Î²-thalassemia through population-based parental haplotyping. Genome Medicine, 2021, 13, 18.	3.6	16
15	Evaluation of the Zâ€score accuracy of noninvasive prenatal testing for fetal trisomies 13, 18 and 21 at a single center. Prenatal Diagnosis, 2021, 41, 690-696.	1.1	13
16	Fetal Crownâ€“Chin Length to Crownâ€“Rump Length Ratio as a Prenatal Sonographic Marker for Triploidy at First Trimester. Journal of Ultrasound in Medicine, 2021, , .	0.8	1
17	Distinct Disease Severity Between Children and Older Adults With Coronavirus Disease 2019 (COVID-19): Impacts of ACE2 Expression, Distribution, and Lung Progenitor Cells. Clinical Infectious Diseases, 2021, 73, e4154-e4165.	2.9	42
18	Risk factors associated with fetal pleural effusion in prenatal diagnosis: a retrospective study in a single institute in Southern China. Journal of Obstetrics and Gynaecology, 2020, 40, 443-447.	0.4	5

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19	PSCs Reveal PUFA-Provoked Mitochondrial Stress as a Central Node Potentiating RPE Degeneration in Bietti’s Crystalline Dystrophy. Molecular Therapy, 2020, 28, 2642-2661.	3.7	23
20	Adult mesenchymal stem cell ageing interplays with depressed mitochondrial Ndufs6. Cell Death and Disease, 2020, 11, 1075.	2.7	42
21	Whole€exome sequencing in the evaluation of fetal congenital anomalies of the kidney and urinary tract detected by ultrasonography. Prenatal Diagnosis, 2020, 40, 1290-1299.	1.1	24
22	Genetic tests aid in counseling of fetuses with cerebellar vermis defects. Prenatal Diagnosis, 2020, 40, 1228-1238.	1.1	15
23	Prenatal exome sequencing in fetuses with congenital heart defects. Clinical Genetics, 2020, 98, 215-230.	1.0	23
24	All€trans€retinoid acid induces the differentiation of P19 cells into neurons involved in the PI3K/Akt/GSK3β signaling pathway. Journal of Cellular Biochemistry, 2020, 121, 4386-4396.	1.2	12
25	Nonimmune hydrops fetalis: Genetic analysis and clinical outcome. Prenatal Diagnosis, 2020, 40, 803-812.	1.1	17
26	A novel and a known mutation in LSS gene associated with hypotrichosis 14 in a Chinese family. Journal of Dermatology, 2019, 46, e393-e395.	0.6	8
27	Donation of mitochondria by iPSC-derived mesenchymal stem cells protects retinal ganglion cells against mitochondrial complex I defect-induced degeneration. Theranostics, 2019, 9, 2395-2410.	4.6	87
28	Application of chromosome microarray analysis in patients with unexplained developmental delay/intellectual disability in South China. Pediatrics and Neonatology, 2019, 60, 35-42.	0.3	21
29	KFL1 Gene Variants in α-Thalassemia Individuals with Increased Fetal Hemoglobin in a Chinese Population. Hemoglobin, 2018, 42, 161-165.	0.4	5
30	Early prenatal diagnosis of lysosomal storage disorders by enzymatic and molecular analysis. Prenatal Diagnosis, 2018, 38, 779-787.	1.1	6
31	Pregnancy outcome of autosomal aneuploidies other than common trisomies detected by noninvasive prenatal testing in routine clinical practice. Prenatal Diagnosis, 2018, 38, 849-857.	1.1	24
32	How to make an accurate diagnosis of fetal pyriform sinus fistula in utero: experience at a single medical center in mainland China. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2018, 228, 76-81.	0.5	6
33	Submicroscopic chromosomal abnormalities in fetuses with increased nuchal translucency and normal karyotype. Journal of Maternal-Fetal and Neonatal Medicine, 2017, 30, 194-198.	0.7	27
34	Outcome of isolated enlarged cisterna magna identified in utero: experience at a single medical center in mainland China. Prenatal Diagnosis, 2017, 37, 575-582.	1.1	9
35	Chromosome microarray analysis in the investigation of children with congenital heart disease. BMC Pediatrics, 2017, 17, 117.	0.7	34
36	Whole-exome sequencing for prenatal diagnosis of fetuses with congenital anomalies of the kidney and urinary tract. Nephrology Dialysis Transplantation, 2017, 32, 1665-1675.	0.4	54

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37	Clinical application of SNP array analysis in fetuses with ventricular septal defects and normal karyotypes. Archives of Gynecology and Obstetrics, 2017, 296, 929-940.	0.8	20
38	Prenatal diagnosis of Smithâ€“Magenis syndrome in two fetuses with increased nuchal translucency, mild lateral ventriculomegaly, and congenital heart defects. Taiwanese Journal of Obstetrics and Gynecology, 2016, 55, 886-890.	0.5	7
39	Application of high resolution SNP arrays in patients with congenital oral clefts in south China. Journal of Genetics, 2016, 95, 801-809.	0.4	7
40	Prenatal diagnosis of fetal multicystic dysplastic kidney via high-resolution whole-genome array. Nephrology Dialysis Transplantation, 2016, 31, 1693-1698.	0.4	31
41	Pristimerin overcomes adriamycin resistance in breast cancer cells through suppressing Akt signaling. Oncology Letters, 2016, 11, 3111-3116.	0.8	17
42	Maternal serum PlGF (placental growth factor) in Chinese women in the first trimester undergoing screening for Down syndrome. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2016, 201, 166-170.	0.5	11
43	Influence of maternal, infant, and collection characteristics on highâ€quality cord blood units in Guangzhou Cord Blood Bank. Transfusion, 2015, 55, 2158-2167.	0.8	12
44	Knockdown of flotillin-2 impairs the proliferation of breast cancer cells through modulation of Akt/FOXO signaling. Oncology Reports, 2015, 33, 2285-2290.	1.2	21
45	Implementation of Newborn Screening for Hemoglobin H Disease in Mainland China. Indian Journal of Hematology and Blood Transfusion, 2015, 31, 242-246.	0.3	2
46	Non-invasive prenatal detection of haemoglobin Bart's disease by cardiothoracic ratio during the first trimester. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2015, 193, 92-95.	0.5	9
47	The cyclin-dependent kinase inhibitor SNS-032 induces apoptosis in breast cancer cells via depletion of Mcl-1 and X-linked inhibitor of apoptosis protein and displays antitumor activity in vivo. International Journal of Oncology, 2014, 45, 804-812.	1.4	28
48	Prenatal diagnosis of 17q12 duplication and deletion syndrome in two fetuses with congenital anomalies. Taiwanese Journal of Obstetrics and Gynecology, 2014, 53, 579-582.	0.5	22
49	Should sex chromosomes be excluded from use in QFâ€PCR in prenatal samples with a molecular referral?. American Journal of Medical Genetics, Part A, 2014, 164, 2404-2406.	0.7	1
50	Prenatal diagnosis of congenital heart defect by genome-wide high-resolution SNP array. Prenatal Diagnosis, 2014, 34, 858-863.	1.1	37
51	The prevalence of non-detectable chromosomal abnormalities by QF-PCR in amniocentesis for certain referral indications: experience at a mainland Chinese hospital. Archives of Gynecology and Obstetrics, 2014, 289, 75-78.	0.8	1
52	Noninvasive prenatal diagnosis of common aneuploidies by semiconductor sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7415-7420.	3.3	110
53	Newborn Screening for Hb H Disease by Determination of Hb Bartâ€™s Using the Sebia Capillary Electrophoresis System in Southern China. Hemoglobin, 2014, 38, 73-75.	0.4	8
54	PT/NBL ratio assessment at mid-trimester in prenatal screening for Down syndrome in a Chinese population. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 1860-1863.	0.7	3

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55	Prenatal diagnosis of foetuses with congenital abnormalities and duplication of the MECP2 region. Gene, 2014, 546, 222-225.	1.0	17
56	Discordant results between fetal karyotyping and nonâ€invasive prenatal testing by maternal plasma sequencing in a case of uniparental disomy 21 due to trisomic rescue. Prenatal Diagnosis, 2013, 33, 598-601.	1.1	70
57	Loss-of-function variation in the DPP6 gene is associated with autosomal dominant microcephaly and mental retardation. European Journal of Medical Genetics, 2013, 56, 484-489.	0.7	33
58	Codon 62 (GTG>GCG, Valâ†'Ala) (Î±1) (HBA1: c.188T>C) causing nondeletional Î±-thalassemia in a Chinese family. Hemoglobin, 2013, 37, 188-91.	0.4	1
59	Cord Blood Analysis for Rapid Prenatal Confirmation of Hb Bartâ€™s Disease Using the Sebia Capillary Electrophoresis System. Hemoglobin, 2012, 36, 186-191.	0.4	4
60	Î±0-Thalassemia Trait with Normal Red Cell Indices: A Report of Two Cases. Hemoglobin, 2012, 36, 589-591.	0.4	2
61	Prenatal diagnosis of an atypical 1q21.1 microdeletion and duplication associated with foetal urogenital abnormalities. Gene, 2012, 507, 92-94.	1.0	12
62	Prenatal diagnosis and molecular characterization of a novel locus for Dandyâ€“Walker malformation on chromosome 7p21.3. European Journal of Medical Genetics, 2012, 55, 472-475.	0.7	23
63	Acceptability of supplementary QFâ€PCR among women undergoing prenatal diagnosis in mainland China. Prenatal Diagnosis, 2012, 32, 813-814.	1.1	2
64	Identification of a New Î± Chain Variant at Codons 22â€“25 (â€“9 nts) Using the Sebia Capillarys 2 Electrophoresis System. Hemoglobin, 2011, 35, 166-170.	0.4	1
65	Ring chromosome 13 syndrome characterized by high resolution array based comparative genomic hybridization in patient with 47, XYY syndrome: a case report. Journal of Medical Case Reports, 2011, 5, 99.	0.4	15
66	Screening for Hb Constant Spring in the Guangdong Province, South China, Using the Sebia Capillary Electrophoresis System. Hemoglobin, 2011, 35, 87-90.	0.4	13
67	Early Prenatal Diagnosis of Thalassemia: The First Report of Experience in Mainland China. Hemoglobin, 2011, 35, 434-438.	0.4	4
68	Analysis of Chinese women with primary ovarian insufficiency by high resolution array-comparative genomic hybridization. Chinese Medical Journal, 2011, 124, 1739-42.	0.9	4
69	Three Hemoglobin Variants Caused by a Single Î±-Chain Gene Mutation in a Chinese Family. Acta Haematologica, 2010, 123, 88-90.	0.7	1
70	Hb F-Zhejiang: A Hb F Variant Due to A Novel^GÎ³ Mutation [^GÎ³101(G3)Gluâ†'Gln,GAG>CAG] Detected in a Chinese Newborn. Hemoglobin, 2010, 34, 107-109.	0.4	1
71	Maternal serum ADAM12 in Chinese women undergoing screening for aneuploidy in the first trimester. Journal of Maternal-Fetal and Neonatal Medicine, 2010, 23, 1305-1309.	0.7	3
72	Proposed Screening Criteria for Î²-Thalassemia Trait During Early Pregnancy in Southern China. Hemoglobin, 2009, 33, 528-533.	0.4	6

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73	The 4-bp deletion (-AAAC) in the 5â€² untranslated region of the Î²-globin gene: a simple polymorphism?. Annals of Hematology, 2009, 88, 709-710.	0.8	3
74	A novel Î²-thalassemic allele due to a thirteen nucleotide deletion: codons 54â€“58 (-T ATG GGC AAC CCT). Annals of Hematology, 2009, 88, 799-801.	0.8	7
75	The detection of aneuploidy and maternal contamination by QF-PCR in samples undergoing prenatal diagnosis for thalassemia in Southern China. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, 149-152.	0.5	13
76	A 46,XY/46,XX mosaicism diagnosed at amniocentesis: another case report. Prenatal Diagnosis, 2008, 28, 65-66.	1.1	9
77	Fetal karyotyping and late sonographic abnormality detection in China. International Journal of Gynecology and Obstetrics, 2008, 100, 183-184.	1.0	2
78	Association of Î²-Thalassemia and Hb Q-Thailand Resulting in a Normal Hb A2Value. Hemoglobin, 2008, 32, 505-508.	0.4	4
79	A Double Heterozygote for (ÎÎ²)⁰-Thalassemia and Codons 41/42 (â€“TTCT) Behaves as a Homozygote for the Frameshift Mutation in a Chinese Family. Hemoglobin, 2007, 31, 397-400.	0.4	6
80	Prenatal Control of Hb Bart's Disease in Southern China. Hemoglobin, 2007, 31, 471-475.	0.4	33
81	Nonimmune Hydrops Fetalis Diagnosed during the Second Half of Pregnancy in Southern China. Fetal Diagnosis and Therapy, 2007, 22, 302-305.	0.6	54
82	Efficacy and safety of cordocentesis for prenatal diagnosis. International Journal of Gynecology and Obstetrics, 2006, 93, 13-17.	1.0	64