Bin Yu

List of Publications by Year
in descending order

78 papers	1,280 citations	361296 20 h-index	454834 30 g-index
89 all docs	89 docs citations	89 times ranked	1181 citing authors

#	Article	IF	Citations
1	Noninvasive prenatal screening for fetal common sex chromosome aneuploidies from maternal blood. Journal of International Medical Research, 2017, 45, 621-630.	0.4	73
2	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
3	Expression profile of circular RNAs in placentas of women with gestational diabetes mellitus. Endocrine Journal, 2019, 66, 431-441.	0.7	54
4	Application of Next-Generation Sequencing Following Tandem Mass Spectrometry to Expand Newborn Screening for Inborn Errors of Metabolism: A Multicenter Study. Frontiers in Genetics, 2019, 10, 86.	1.1	49
5	Down-regulated circPAPPA suppresses the proliferation and invasion of trophoblast cells via the miR-384/STAT3 pathway. Bioscience Reports, 2019, 39, .	1.1	49
6	LincRNA-p21 knockdown reversed tumor-associated macrophages function by promoting MDM2 to antagonize* p53 activation and alleviate breast cancer development. Cancer Immunology, Immunotherapy, 2020, 69, 835-846.	2.0	47
7	Newborn Screening and Molecular Profile of Congenital Hypothyroidism in a Chinese Population. Frontiers in Genetics, 2018, 9, 509.	1.1	46
8	Transcriptomic Profiling of Human Placenta in Gestational Diabetes Mellitus at the Single-Cell Level. Frontiers in Endocrinology, 2021, 12, 679582.	1.5	41
9	Overall evaluation of the clinical value of prenatal screening for fetal-free DNA in maternal blood. Medicine (United States), 2017, 96, e7114.	0.4	37
10	Targeted next-generation sequencing of thirteen causative genes in Chinese patients with congenital hypothyroidism. Endocrine Journal, 2018, 65, 1019-1028.	0.7	37
11	Iron deficiency in late pregnancy and its associations with birth outcomes in Chinese pregnant women: a retrospective cohort study. Nutrition and Metabolism, 2019, 16, 30.	1.3	37
12	Luteolin induces hippocampal neurogenesis in the Ts65Dn mouse model of Down syndrome. Neural Regeneration Research, 2019, 14, 613.	1.6	35
13	Sequencing shorter cfDNA fragments improves the fetal DNA fraction in noninvasive prenatal testing. American Journal of Obstetrics and Gynecology, 2019, 221, 345.e1-345.e11.	0.7	34
14	The profile analysis of circular RNAs in human placenta of preeclampsia. Experimental Biology and Medicine, 2018, 243, 1109-1117.	1.1	31
15	Non-invasive prenatal testing to detect chromosome aneuploidies in 57,204 pregnancies. Molecular Cytogenetics, 2019, 12, 29.	0.4	30
16	Birth Defects Data From Population-Based Birth Defects Surveillance System in a District of Southern Jiangsu, China, 2014â€“2018. Frontiers in Public Health, 2020, 8, 378.	1.3	28
17	Establishment of self-sequential longitudinal reference intervals of maternal thyroid function during pregnancy. Experimental Biology and Medicine, 2010, 235, 1212-1215.	1.1	26
18	Epidemiology of birth defects based on a birth defect surveillance system in Southern Jiangsu, China, 2014â€“2018. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 745-751.	0.7	26

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19	Tissue Infiltrating Immune Cells as Prognostic Biomarkers in Endometrial Cancer: A Meta-Analysis. Disease Markers, 2020, 2020, 1-11.	0.6	25
20	Downregulation of hsa_circ_0005243 induces trophoblast cell dysfunction and inflammation via the Î²-catenin and NF-ÎºB pathways. Reproductive Biology and Endocrinology, 2020, 18, 51.	1.4	24
21	Trophoblast Cell Subtypes and Dysfunction in the Placenta of Individuals with Preeclampsia Revealed by Single-Cell RNA Sequencing. Molecules and Cells, 2022, 45, 317-328.	1.0	24
22	Higher Fetal Insulin Resistance in Chinese Pregnant Women with Gestational Diabetes Mellitus and Correlation with Maternal Insulin Resistance. PLoS ONE, 2013, 8, e59845.	1.1	23
23	FTO, GCKR, CDKAL1 and CDKN2A/B gene polymorphisms and the risk of gestational diabetes mellitus: a meta-analysis. Archives of Gynecology and Obstetrics, 2018, 298, 705-715.	0.8	23
24	High falseâ€positive nonâ€invasive prenatal screening results for sex chromosome abnormalities: Are maternal factors the culprit?. Prenatal Diagnosis, 2020, 40, 463-469.	1.1	23
25	Assessment of thyroid function during pregnancy: the advantage of self-sequential longitudinal reference intervals. Archives of Medical Science, 2011, 4, 679-684.	0.4	22
26	Ficolinâ€3/adiponectin ratio for the prediction of gestational diabetes mellitus in pregnant women. Journal of Diabetes Investigation, 2018, 9, 403-410.	1.1	20
27	Clinical features and pregnancy outcomes of women with abnormal cell-free fetal DNA test results. Annals of Translational Medicine, 2019, 7, 317-317.	0.7	18
28	Association between low fetal fraction of cell free DNA at the early second-trimester and adverse pregnancy outcomes. Pregnancy Hypertension, 2020, 22, 101-108.	0.6	17
29	The assessment of combined karyotype analysis and chromosomal microarray in pregnant women of advanced maternal age: a multicenter study. Annals of Translational Medicine, 2019, 7, 318-318.	0.7	17
30	Increased secreted frizzled-related protein 4 and ficolin-3 levels in gestational diabetes mellitus women. Endocrine Journal, 2018, 65, 499-508.	0.7	16
31	Preliminary proteomic-based identification of a novel protein for Down's syndrome in maternal serum. Experimental Biology and Medicine, 2012, 237, 530-539.	1.1	15
32	Early second-trimester plasma cell free DNA levels with subsequent risk of pregnancy complications. Clinical Biochemistry, 2019, 71, 46-51.	0.8	15
33	Associations of serum markers screening for Down's syndrome with pregnancy outcomes: A Chinese retrospective cohort study. Clinica Chimica Acta, 2019, 489, 130-135.	0.5	15
34	Placental metabolic profiling in gestational diabetes mellitus: An important role of fatty acids. Journal of Clinical Laboratory Analysis, 2021, 35, e24096.	0.9	14
35	Mechanisms Underlying Footshock and Psychological Stress-Induced Abrupt Awakening From Posttraumatic â€œNightmaresâ€• International Journal of Neuropsychopharmacology, 2016, 19, pyv113.	1.0	13
36	Sequencing Shorter cfDNA Fragments Decreases the False Negative Rate of Non-invasive Prenatal Testing. Frontiers in Genetics, 2020, 11, 280.	1.1	13

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37	Increased METTL3-mediated m6A methylation inhibits embryo implantation by repressing HOXA10 expression in recurrent implantation failure. Reproductive Biology and Endocrinology, 2021, 19, 187.	1.4	13
38	Not all chromosome aberrations can be detected by NIPT in women at advanced maternal age: A multicenter retrospective study. Clinica Chimica Acta, 2018, 486, 232-236.	0.5	12
39	Complicated Relationship between Genetic Mutations and Phenotypic Characteristics in Transient and Permanent Congenital Hypothyroidism: Analysis of Pooled Literature Data. International Journal of Endocrinology, 2020, 2020, 1-8.	0.6	12
40	Combined identification of lncRNA NONHSAG004550 and NONHSAT125420 as a potential diagnostic biomarker of perinatal depression. Journal of Clinical Laboratory Analysis, 2021, 35, e23890.	0.9	12
41	NeoSeq: a new method of genomic sequencing for newborn screening. Orphanet Journal of Rare Diseases, 2021, 16, 481.	1.2	11
42	MiR-384 inhibits proliferation and migration of trophoblast cells via targeting PTBP3. Pregnancy Hypertension, 2020, 21, 132-138.	0.6	10
43	Investigating the changes in amino acid values in premature infants: a pilot study. Journal of Pediatric Endocrinology and Metabolism, 2018, 31, 435-441.	0.4	9
44	Clinical evaluation of NIPS for women at advanced maternal age: a multicenter retrospective study. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 4080-4085.	0.7	9
45	The Necessity of Prenatal Diagnosis by CMA for the Women with NIPS-Positive Results. International Journal of Genomics, 2020, 2020, 1-7.	0.8	9
46	Association of maternal D-dimer level in late pregnancy with birth outcomes in a Chinese cohort. Clinica Chimica Acta, 2020, 501, 258-263.	0.5	8
47	Impact of maternal thyroid hormone in late pregnancy on adverse birth outcomes: A retrospective cohort study in China. Endocrine Journal, 2021, 68, 317-328.	0.7	8
48	Lower detectability of non-invasive prenatal testing compared to prenatal diagnosis in high-risk pregnant women. Annals of Translational Medicine, 2019, 7, 319-319.	0.7	8
49	Association of Maternal Serum Uric Acid and Cystatin C Levels in Late Pregnancy with Adverse Birth Outcomes: An Observational Cohort Study in China. International Journal of Women's Health, 2022, Volume 14, 213-223.	1.1	8
50	Fibrin/fibrinogen degradation products in late pregnancy promote macrosomia prediction in normal uncomplicated pregnancy. Placenta, 2020, 96, 27-33.	0.7	7
51	Analysis of Down syndrome failed to be diagnosed after prenatal screening. Medicine (United States), 2017, 96, e7166.	0.4	6
52	Genetic and Phenotypic Characteristics of Congenital Hypothyroidism in a Chinese Cohort. Frontiers in Endocrinology, 2021, 12, 705773.	1.5	6
53	Comprehensive Evaluation of Non-invasive Prenatal Screening to Detect Fetal Copy Number Variations. Frontiers in Genetics, 2021, 12, 665589.	1.1	5
54	The Optimal Cutoff Value of Z-scores Enhances the Judgment Accuracy of Noninvasive Prenatal Screening. Frontiers in Genetics, 2021, 12, 690063.	1.1	5

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55	Estimating the frequency of causal genetic variants in foetuses with congenital heart defects: a Chinese cohort study. Orphanet Journal of Rare Diseases, 2022, 17, 2.	1.2	5
56	3-Methylcrotonyl-CoA carboxylase deficiency newborn screening in a population of 536,008: is routine screening necessary?. Journal of Pediatric Endocrinology and Metabolism, 2019, 32, 1321-1326.	0.4	4
57	More attention should be paid to pregnant women who fail non-invasive prenatal screening. Clinical Biochemistry, 2021, 96, 33-37.	0.8	4
58	Bioinformatics characterization of differential proteins in serum of mothers carrying Down syndrome fetuses: combining bioinformatics and ELISA. Archives of Medical Science, 2012, 2, 183-191.	0.4	3
59	Effect quantification and value prediction of factors in noninvasive detection for specific fetal copy number variants by semiconductor sequencing. Molecular Genetics & Genomic Medicine, 2019, 7, e00718.	0.6	3
60	Investigation and Application of Risk Factors of Macrosomia Based on 10,396 Chinese Pregnant Women. Frontiers in Endocrinology, 2022, 13, 837816.	1.5	3
61	Molecular Genetic Screening of Neonatal Intensive Care Units: Hyperbilirubinemia as an Example. The Application of Clinical Genetics, 0, Volume 15, 39-48.	1.4	3
62	Research progress on N6-methyladenosine in the human placenta. Journal of Perinatal Medicine, 2022, 50, 1115-1123.	0.6	3
63	Clinical evaluation of non-invasive prenatal screening for the detection of fetal genome-wide copy number variants. Orphanet Journal of Rare Diseases, 2022, 17, .	1.2	3
64	Effect of the inflammatory response on serum indices of iron status in late pregnancy. Journal of Trace Elements in Medicine and Biology, 2020, 61, 126516.	1.5	2
65	Second-trimester Maternal Serum Screening Biomarkers in the Risk Assessment for Preeclampsia. Annals of Clinical and Laboratory Science, 2018, 48, 308-313.	0.2	2
66	Are We Ready for Newborn Genetic Screening? A Cross-Sectional Survey of Healthcare Professionals in Southeast China. Frontiers in Pediatrics, 2022, 10, .	0.9	2
67	Low Fetal Fraction of Cell Free DNA at Non-Invasive Prenatal Screening Increases the Subsequent Risk of Preterm Birth in Uncomplicated Singleton Pregnancy. International Journal of Women's Health, 0, Volume 14, 889-897.	1.1	2
68	Assessing Apoptosis Gene Expression Profiling with a PCR Array in the Hippocampus of Ts65Dn Mice. BioMed Research International, 2015, 2015, 1-8.	0.9	1
69	Two Infants With Beta-Ketothiolase Deficiency Identified by Newborn Screening in China. Frontiers in Genetics, 2019, 10, 451.	1.1	1
70	Variant of TSHR is Not a Frequent Cause of Congenital Hypothyroidism in Chinese Han Patients. International Journal of General Medicine, 2021, Volume 14, 4135-4143.	0.8	1
71	Prenatal Diagnostic Testing Following High-Risk Result from Serological Screening: Which Shall We Select?. International Journal of Women's Health, 2021, Volume 13, 879-888.	1.1	1
72	Application of proteomics for prenatal diagnosis of Down syndrome: Systematic review and a meta-analysis. African Journal of Biotechnology, 2011, 10, .	0.3	1

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73	Alterations in the metabolic status of amino acids in newborns of pre-eclampsia women. Pregnancy Hypertension, 2022, 27, 170-172.	0.6	1
74	Proteomic techniques for finding biomarkers for prenatal screening for Down syndrome: where are we?. Expert Review of Proteomics, 2012, 9, 583-585.	1.3	0
75	Does ceruloplasmin differential express in the brain of Ts65Dn: a mouse mode of Down syndrome?. Neurological Sciences, 2014, 35, 589-593.	0.9	0
76	Estimate the Frequency of Causal Genetic Variants in Fetuses with Congenital Heart Defect: A Chinese Cohort Study â€‹. SSRN Electronic Journal, 0, , .	0.4	0
77	Bioinformatic characterization of differential proteins in the hippocampus of Ts65Dn: A mouse model of down syndrome. Archives of Biological Sciences, 2014, 66, 1157-1162.	0.2	0
78	Transcriptomic Profiling of Human Placenta in Gestational Diabetes Mellitus at Single-Cell Level. SSRN Electronic Journal, 0, , .	0.4	0