Bin Yu

List of Publications by Citations

69 papers	669 citations	16 h-index	22 g-index
89 ext. papers	977 ext. citations	3 avg, IF	4.32 L-index

#	Paper	IF	Citations
69	Noninvasive prenatal screening for fetal common sex chromosome aneuploidies from maternal blood. *Journal of International Medical Research*, **2017**, 45, 621-630	1.4	52
68	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	6.4	37
67	Expression profile of circular RNAs in placentas of women with gestational diabetes mellitus. *Endocrine Journal*, **2019**, 66, 431-441	2.9	36
66	Newborn Screening and Molecular Profile of Congenital Hypothyroidism in a Chinese Population. *Frontiers in Genetics*, **2018**, 9, 509	4.5	30
65	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	7.4	26
64	Overall evaluation of the clinical value of prenatal screening for fetal-free DNA in maternal blood. *Medicine (United States)*, **2017**, 96, e7114	1.8	26
63	Down-regulated circPAPPA suppresses the proliferation and invasion of trophoblast cells via the miR-384/STAT3 pathway. *Bioscience Reports*, **2019**, 39,	4.1	25
62	Targeted next-generation sequencing of thirteen causative genes in Chinese patients with congenital hypothyroidism. *Endocrine Journal*, **2018**, 65, 1019-1028	2.9	24
61	Establishment of self-sequential longitudinal reference intervals of maternal thyroid function during pregnancy. *Experimental Biology and Medicine*, **2010**, 235, 1212-5	3.7	24
60	The profile analysis of circular RNAs in human placenta of preeclampsia. *Experimental Biology and Medicine*, **2018**, 243, 1109-1117	3.7	22
59	Luteolin induces hippocampal neurogenesis in the Ts65Dn mouse model of Down syndrome. *Neural Regeneration Research*, **2019**, 14, 613-620	4.5	20
58	Higher fetal insulin resistance in Chinese pregnant women with gestational diabetes mellitus and correlation with maternal insulin resistance. *PLoS ONE*, **2013**, 8, e59845	3.7	19
57	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	4.5	18
56	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	4.6	17
55	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	6.4	17
54	Non-invasive prenatal testing to detect chromosome aneuploidies in 57,204 pregnancies. *Molecular Cytogenetics*, **2019**, 12, 29	2	16
53	Assessment of thyroid function during pregnancy: the advantage of self-sequential longitudinal reference intervals. *Archives of Medical Science*, **2011**, 7, 679-84	2.9	16

52	Preliminary proteomic-based identification of a novel protein for Down's syndrome in maternal serum. *Experimental Biology and Medicine*, **2012**, 237, 530-9	3.7	14
51	Downregulation of hsa_circ_0005243 induces trophoblast cell dysfunction and inflammation via the -catenin and NF-B pathways. *Reproductive Biology and Endocrinology*, **2020**, 18, 51	5	13
50	Increased secreted frizzled-related protein 4 and ficolin-3 levels in gestational diabetes mellitus women. *Endocrine Journal*, **2018**, 65, 499-508	2.9	13
49	Ficolin-3/adiponectin ratio for the prediction of gestational diabetes mellitus in pregnant women. *Journal of Diabetes Investigation*, **2018**, 9, 403-410	3.9	12
48	High false-positive non-invasive prenatal screening results for sex chromosome abnormalities: Are maternal factors the culprit?. *Prenatal Diagnosis*, **2020**, 40, 463-469	3.2	12
47	Associations of serum markers screening for Down's syndrome with pregnancy outcomes: A Chinese retrospective cohort study. *Clinica Chimica Acta*, **2019**, 489, 130-135	6.2	11
46	Clinical features and pregnancy outcomes of women with abnormal cell-free fetal DNA test results. *Annals of Translational Medicine*, **2019**, 7, 317	3.2	10
45	Epidemiology of birth defects based on a birth defect surveillance system in Southern Jiangsu, China, 2014-2018. *Journal of Maternal-Fetal and Neonatal Medicine*, **2020**, 1-7	2	9
44	Mechanisms Underlying Footshock and Psychological Stress-Induced Abrupt Awakening From Posttraumatic "Nightmares". *International Journal of Neuropsychopharmacology*, **2016**, 19,	5.8	9
43	Transcriptomic Profiling of Human Placenta in Gestational Diabetes Mellitus at the Single-Cell Level. *Frontiers in Endocrinology*, **2021**, 12, 679582	5.7	9
42	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, 6808517	2.7	8
41	Tissue Infiltrating Immune Cells as Prognostic Biomarkers in Endometrial Cancer: A Meta-Analysis. *Disease Markers*, **2020**, 2020, 1805764	3.2	8
40	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	2.5	8
39	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	6.2	8
38	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	3.2	8
37	Investigating the changes in amino acid values in premature infants: a pilot study. *Journal of Pediatric Endocrinology and Metabolism*, **2018**, 31, 435-441	1.6	7
36	Sequencing Shorter cfDNA Fragments Decreases the False Negative Rate of Non-invasive Prenatal Testing. *Frontiers in Genetics*, **2020**, 11, 280	4.5	7
35	Early second-trimester plasma cell free DNA levels with subsequent risk of pregnancy complications. *Clinical Biochemistry*, **2019**, 71, 46-51	3.5	6

34	Birth Defects Data From Population-Based Birth Defects Surveillance System in a District of Southern Jiangsu, China, 2014-2018. *Frontiers in Public Health*, **2020**, 8, 378	6	6
33	MiR-384 inhibits proliferation and migration of trophoblast cells via targeting PTBP3. *Pregnancy Hypertension*, **2020**, 21, 132-138	2.6	5
32	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	2	5
31	Analysis of Down syndrome failed to be diagnosed after prenatal screening: A multicenter study. *Medicine (United States)*, **2017**, 96, e7166	1.8	5
30	Association between low fetal fraction of cell free DNA at the early second-trimester and adverse pregnancy outcomes. *Pregnancy Hypertension*, **2020**, 22, 101-108	2.6	5
29	Lower detectability of non-invasive prenatal testing compared to prenatal diagnosis in high-risk pregnant women. *Annals of Translational Medicine*, **2019**, 7, 319	3.2	4
28	The Necessity of Prenatal Diagnosis by CMA for the Women with NIPS-Positive Results. *International Journal of Genomics*, **2020**, 2020, 2145701	2.5	4
27	Combined identification of lncRNA NONHSAG004550 and NONHSAT125420 as a potential diagnostic biomarker of perinatal depression. *Journal of Clinical Laboratory Analysis*, **2021**, 35, e23890	3	4
26	Bioinformatics characterization of differential proteins in serum of mothers carrying Down syndrome fetuses: combining bioinformatics and ELISA. *Archives of Medical Science*, **2012**, 8, 183-91	2.9	3
25	Association of maternal D-dimer level in late pregnancy with birth outcomes in a Chinese cohort. *Clinica Chimica Acta*, **2020**, 501, 258-263	6.2	3
24	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	2.3	2
23	Placental metabolic profiling in gestational diabetes mellitus: An important role of fatty acids. *Journal of Clinical Laboratory Analysis*, **2021**, 35, e24096	3	2
22	Fibrin/fibrinogen degradation products in late pregnancy promote macrosomia prediction in normal uncomplicated pregnancy. *Placenta*, **2020**, 96, 27-33	3.4	2
21	The Optimal Cutoff Value of Z-scores Enhances the Judgment Accuracy of Noninvasive Prenatal Screening. *Frontiers in Genetics*, **2021**, 12, 690063	4.5	2
20	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	1.6	2
19	Second-trimester Maternal Serum Screening Biomarkers in the Risk Assessment for Preeclampsia. *Annals of Clinical and Laboratory Science*, **2018**, 48, 308-313	0.9	2
18	Two Infants With Beta-Ketothiolase Deficiency Identified by Newborn Screening in China. *Frontiers in Genetics*, **2019**, 10, 451	4.5	1
17	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	4.1	1

16	Assessing apoptosis gene expression profiling with a PCR array in the hippocampus of Ts65Dn mice. *BioMed Research International*, **2015**, 2015, 214618	3	1
15	NeoSeq: a new method of genomic sequencing for newborn screening. *Orphanet Journal of Rare Diseases*, **2021**, 16, 481	4.2	1
14	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	4.2	1
13	Comprehensive Evaluation of Non-invasive Prenatal Screening to Detect Fetal Copy Number Variations. *Frontiers in Genetics*, **2021**, 12, 665589	4.5	1
12	Genetic and Phenotypic Characteristics of Congenital Hypothyroidism in a Chinese Cohort. *Frontiers in Endocrinology*, **2021**, 12, 705773	5.7	1
11	Prenatal Diagnostic Testing Following High-Risk Result from Serological Screening: Which Shall We Select?. *International Journal of Womenks Health*, **2021**, 13, 879-888	2.8	1
10	Impact of maternal thyroid hormone in late pregnancy on adverse birth outcomes: A retrospective cohort study in China. *Endocrine Journal*, **2021**, 68, 317-328	2.9	1
9	Increased METTL3-mediated mA methylation inhibits embryo implantation by repressing HOXA10 expression in recurrent implantation failure.. *Reproductive Biology and Endocrinology*, **2021**, 19, 187	5	1
8	Investigation and Application of Risk Factors of Macrosomia Based on 10,396 Chinese Pregnant Women.. *Frontiers in Endocrinology*, **2022**, 13, 837816	5.7	0
7	Does ceruloplasmin differential express in the brain of Ts65Dn: a mouse mode of Down syndrome?. *Neurological Sciences*, **2014**, 35, 589-93	3.5	
6	Alterations in the metabolic status of amino acids in newborns of pre-eclampsia women.. *Pregnancy Hypertension*, **2022**, 27, 170-172	2.6	
5	Bioinformatic characterization of differential proteins in the hippocampus of Ts65Dn: A mouse model of down syndrome. *Archives of Biological Sciences*, **2014**, 66, 1157-1162	0.7	
4	Variant of TSHR is Not a Frequent Cause of Congenital Hypothyroidism in Chinese Han Patients. *International Journal of General Medicine*, **2021**, 14, 4135-4143	2.3	
3	More attention should be paid to pregnant women who fail non-invasive prenatal screening. *Clinical Biochemistry*, **2021**, 96, 33-37	3.5	
2	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 Womenks Health*, **2022**, 14, 213-223	2.8	
1	Molecular Genetic Screening of Neonatal Intensive Care Units: Hyperbilirubinemia as an Example. *The Application of Clinical Genetics*,Volume 15, 39-48	3.1	