

# Xiaoyu Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,205  
citations

430874

18  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Fetal Trisomy (NIFTY) test: an advanced noninvasive prenatal diagnosis methodology for fetal autosomal and sex chromosomal aneuploidies. BMC Medical Genomics, 2012, 5, 57.	1.5	132
2	Noninvasive prenatal diagnosis of common fetal chromosomal aneuploidies by maternal plasma DNA sequencing. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1370-1374.	1.5	106
3	Massively Parallel Sequencing for Chromosomal Abnormality Testing in Trophectoderm Cells of Human Blastocysts1. Biology of Reproduction, 2013, 88, 69.	2.7	104
4	A method for noninvasive detection of fetal large deletions/duplications by low coverage massively parallel sequencing. Prenatal Diagnosis, 2013, 33, 584-590.	2.3	103
5	Clinical outcome of preimplantation genetic diagnosis and screening using next generation sequencing. GigaScience, 2014, 3, 30.	6.4	97
6	Noninvasive prenatal testing of trisomies 21 and 18 by massively parallel sequencing of maternal plasma DNA in twin pregnancies. Prenatal Diagnosis, 2014, 34, 335-340.	2.3	71
7	A Single Cell Level Based Method for Copy Number Variation Analysis by Low Coverage Massively Parallel Sequencing. PLoS ONE, 2013, 8, e54236.	2.5	66
8	Fecal filtrate transplantation protects against necrotizing enterocolitis. ISME Journal, 2022, 16, 686-694.	9.8	63
9	Early microbial colonization affects DNA methylation of genes related to intestinal immunity and metabolism in preterm pigs. DNA Research, 2018, 25, 287-296.	3.4	48
10	Noninvasive prenatal testing for autosomal recessive conditions by maternal plasma sequencing in a case of congenital deafness. Genetics in Medicine, 2014, 16, 972-976.	2.4	47
11	Human Milk Fortification with Bovine Colostrum Is Superior to Formula-Based Fortifiers to Prevent Gut Dysfunction, Necrotizing Enterocolitis, and Systemic Infection in Preterm Pigs. Journal of Parenteral and Enteral Nutrition, 2019, 43, 252-262.	2.6	39
12	Haplotype-assisted accurate non-invasive fetal whole genome recovery through maternal plasma sequencing. Genome Medicine, 2013, 5, 18.	8.2	36
13	Oral antibiotics increase blood neutrophil maturation and reduce bacteremia and necrotizing enterocolitis in the immediate postnatal period of preterm pigs. Innate Immunity, 2016, 22, 51-62.	2.4	36
14	Necrotizing enterocolitis is associated with acute brain responses in preterm pigs. Journal of Neuroinflammation, 2018, 15, 180.	7.2	34
15	Gut and immune effects of bioactive milk factors in preterm pigs exposed to prenatal inflammation. American Journal of Physiology - Renal Physiology, 2019, 317, G67-G77.	3.4	26
16	Noninvasive Prenatal Detection for Pathogenic CNVs: The Application in $\alpha$ -Thalassemia. PLoS ONE, 2013, 8, e67464.	2.5	24
17	Bovine Colostrum Before or After Formula Feeding Improves Systemic Immune Protection and Gut Function in Newborn Preterm Pigs. Frontiers in Immunology, 2019, 10, 3062.	4.8	23
18	Performance Comparison between Rapid Sequencing Platforms for Ultra-Low Coverage Sequencing Strategy. PLoS ONE, 2014, 9, e92192.	2.5	23

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19	Embryo Genome Profiling by Single-Cell Sequencing for Preimplantation Genetic Diagnosis in a $\beta^0$ -Thalassemia Family. <i>Clinical Chemistry</i> , 2015, 61, 617-626.	3.2	16
20	Supplemental Insulin-Like Growth Factor-1 and Necrotizing Enterocolitis in Preterm Pigs. <i>Frontiers in Pediatrics</i> , 2020, 8, 602047.	1.9	16
21	Non-invasive fetal sex determination by maternal plasma sequencing and application in X-linked disorder counseling. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2014, 27, 1829-1833.	1.5	12
22	Diet-dependent changes in the intestinal DNA methylome after introduction of enteral feeding in preterm pigs. <i>Epigenomics</i> , 2018, 10, 395-408.	2.1	12
23	Prenatal inflammation suppresses blood Th1 polarization and gene clusters related to cellular energy metabolism in preterm newborns. <i>FASEB Journal</i> , 2020, 34, 2896-2911.	0.5	11
24	Postnatal Gut Immunity and Microbiota Development Is Minimally Affected by Prenatal Inflammation in Preterm Pigs. <i>Frontiers in Immunology</i> , 2020, 11, 420.	4.8	11
25	Supplementary Bovine Colostrum Feedings to Formula-Fed Preterm Pigs Improve Gut Function and Reduce Necrotizing Enterocolitis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021, 73, e39-e46.	1.8	11
26	Rapid detection of aneuploidies on a benchtop sequencing platform. <i>Prenatal Diagnosis</i> , 2013, 33, 232-237.	2.3	9
27	Rapid Gut Adaptation to Preterm Birth Involves Feeding-Related DNA Methylation Reprogramming of Intestinal Genes in Pigs. <i>Frontiers in Immunology</i> , 2020, 11, 565.	4.8	9
28	Blood transcriptomic markers of necrotizing enterocolitis in preterm pigs. <i>Pediatric Research</i> , 2022, 91, 1113-1120.	2.3	7
29	Subclinical necrotizing enterocolitis-induced systemic immune suppression in neonatal preterm pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G18-G28.	3.4	5
30	Cholestasis alters brain lipid and bile acid composition and compromises motor function in neonatal piglets. <i>Physiological Reports</i> , 2022, 10, .	1.7	4
31	Brain lipidomics and neurodevelopmental outcomes in intrauterine growth restricted piglets fed dairy or vegetable fat diets. <i>Scientific Reports</i> , 2022, 12, 3303.	3.3	3