

# Xiaoyu Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,205  
citations

430442

18  
h-index

433756

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. <i>BMC Medical Genomics</i> , 2012, 5, 57.	0.7	132
2	Noninvasive prenatal diagnosis of common fetal chromosomal aneuploidies by maternal plasma DNA sequencing. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 1370-1374.	0.7	106
3	Massively Parallel Sequencing for Chromosomal Abnormality Testing in Trophectoderm Cells of Human Blastocysts. <i>Biology of Reproduction</i> , 2013, 88, 69.	1.2	104
4	A method for noninvasive detection of fetal large deletions/duplications by low coverage massively parallel sequencing. <i>Prenatal Diagnosis</i> , 2013, 33, 584-590.	1.1	103
5	Clinical outcome of preimplantation genetic diagnosis and screening using next generation sequencing. <i>GigaScience</i> , 2014, 3, 30.	3.3	97
6	Noninvasive prenatal testing of trisomies 21 and 18 by massively parallel sequencing of maternal plasma DNA in twin pregnancies. <i>Prenatal Diagnosis</i> , 2014, 34, 335-340.	1.1	71
7	A Single Cell Level Based Method for Copy Number Variation Analysis by Low Coverage Massively Parallel Sequencing. <i>PLoS ONE</i> , 2013, 8, e54236.	1.1	66
8	Fecal filtrate transplantation protects against necrotizing enterocolitis. <i>ISME Journal</i> , 2022, 16, 686-694.	4.4	63
9	Early microbial colonization affects DNA methylation of genes related to intestinal immunity and metabolism in preterm pigs. <i>DNA Research</i> , 2018, 25, 287-296.	1.5	48
10	Noninvasive prenatal testing for autosomal recessive conditions by maternal plasma sequencing in a case of congenital deafness. <i>Genetics in Medicine</i> , 2014, 16, 972-976.	1.1	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. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019, 43, 252-262.	1.3	39
12	Haplotype-assisted accurate non-invasive fetal whole genome recovery through maternal plasma sequencing. <i>Genome Medicine</i> , 2013, 5, 18.	3.6	36
13	Oral antibiotics increase blood neutrophil maturation and reduce bacteremia and necrotizing enterocolitis in the immediate postnatal period of preterm pigs. <i>Innate Immunity</i> , 2016, 22, 51-62.	1.1	36
14	Necrotizing enterocolitis is associated with acute brain responses in preterm pigs. <i>Journal of Neuroinflammation</i> , 2018, 15, 180.	3.1	34
15	Gut and immune effects of bioactive milk factors in preterm pigs exposed to prenatal inflammation. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G67-G77.	1.6	26
16	Noninvasive Prenatal Detection for Pathogenic CNVs: The Application in $\alpha$ -Thalassemia. <i>PLoS ONE</i> , 2013, 8, e67464.	1.1	24
17	Bovine Colostrum Before or After Formula Feeding Improves Systemic Immune Protection and Gut Function in Newborn Preterm Pigs. <i>Frontiers in Immunology</i> , 2019, 10, 3062.	2.2	23
18	Performance Comparison between Rapid Sequencing Platforms for Ultra-Low Coverage Sequencing Strategy. <i>PLoS ONE</i> , 2014, 9, e92192.	1.1	23

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19	Embryo Genome Profiling by Single-Cell Sequencing for Preimplantation Genetic Diagnosis in a $\beta^2$ -Thalassemia Family. <i>Clinical Chemistry</i> , 2015, 61, 617-626.	1.5	16
20	Supplemental Insulin-Like Growth Factor-1 and Necrotizing Enterocolitis in Preterm Pigs. <i>Frontiers in Pediatrics</i> , 2020, 8, 602047.	0.9	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.	0.7	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.	1.0	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.	0.2	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.	2.2	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.	0.9	11
26	Rapid detection of aneuploidies on a benchtop sequencing platform. <i>Prenatal Diagnosis</i> , 2013, 33, 232-237.	1.1	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.	2.2	9
28	Blood transcriptomic markers of necrotizing enterocolitis in preterm pigs. <i>Pediatric Research</i> , 2022, 91, 1113-1120.	1.1	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.	1.6	5
30	Cholestasis alters brain lipid and bile acid composition and compromises motor function in neonatal piglets. <i>Physiological Reports</i> , 2022, 10, .	0.7	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.	1.6	3