Xiaoyu Pan

List of Publications by Year
in descending order

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	Blood transcriptomic markers of necrotizing enterocolitis in preterm pigs. Pediatric Research, 2022, 91, 1113-1120.	1.1	7
2	Fecal filtrate transplantation protects against necrotizing enterocolitis. ISME Journal, 2022, 16, 686-694.	4.4	63
3	Brain lipidomics and neurodevelopmental outcomes in intrauterine growth restricted piglets fed dairy or vegetable fat diets. Scientific Reports, 2022, 12, 3303.	1.6	3
4	Cholestasis alters brain lipid and bile acid composition and compromises motor function in neonatal piglets. Physiological Reports, 2022, 10, .	0.7	4
5	Supplementary Bovine Colostrum Feedings to Formulaâ€Fed Preterm Pigs Improve Gut Function and Reduce Necrotizing Enterocolitis. Journal of Pediatric Gastroenterology and Nutrition, 2021, 73, e39-e46.	0.9	11
6	Subclinical necrotizing enterocolitis-induced systemic immune suppression in neonatal preterm pigs. American Journal of Physiology - Renal Physiology, 2021, 321, G18-G28.	1.6	5
7	Prenatal inflammation suppresses blood Th1 polarization and gene clusters related to cellular energy metabolism in preterm newborns. FASEB Journal, 2020, 34, 2896-2911.	0.2	11
8	Rapid Gut Adaptation to Preterm Birth Involves Feeding-Related DNA Methylation Reprogramming of Intestinal Genes in Pigs. Frontiers in Immunology, 2020, 11, 565.	2.2	9
9	Postnatal Gut Immunity and Microbiota Development Is Minimally Affected by Prenatal Inflammation in Preterm Pigs. Frontiers in Immunology, 2020, 11, 420.	2.2	11
10	Supplemental Insulin-Like Growth Factor-1 and Necrotizing Enterocolitis in Preterm Pigs. Frontiers in Pediatrics, 2020, 8, 602047.	0.9	16
11	Human Milk Fortification with Bovine Colostrum Is Superior to Formulaâ€Based Fortifiers to Prevent Gut Dysfunction, Necrotizing Enterocolitis, and Systemic Infection in Preterm Pigs. Journal of Parenteral and Enteral Nutrition, 2019, 43, 252-262.	1.3	39
12	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.	1.6	26
13	Bovine Colostrum Before or After Formula Feeding Improves Systemic Immune Protection and Gut Function in Newborn Preterm Pigs. Frontiers in Immunology, 2019, 10, 3062.	2.2	23
14	Diet-dependent changes in the intestinal DNA methylome after introduction of enteral feeding in preterm pigs. Epigenomics, 2018, 10, 395-408.	1.0	12
15	Early microbial colonization affects DNA methylation of genes related to intestinal immunity and metabolism in preterm pigs. DNA Research, 2018, 25, 287-296.	1.5	48
16	Necrotizing enterocolitis is associated with acute brain responses in preterm pigs. Journal of Neuroinflammation, 2018, 15, 180.	3.1	34
17	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.	1.1	36
18	Embryo Genome Profiling by Single-Cell Sequencing for Preimplantation Genetic Diagnosis in a Î²-Thalassemia Family. Clinical Chemistry, 2015, 61, 617-626.	1.5	16

#	Article	IF	Citations
19	Clinical outcome of preimplantation genetic diagnosis and screening using next generation sequencing. GigaScience, 2014, 3, 30.	3.3	97
20	Non-invasive fetal sex determination by maternal plasma sequencing and application in X-linked disorder counseling. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 1829-1833.	0.7	12
21	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.	1.1	71
22	Noninvasive prenatal testing for autosomal recessive conditions by maternal plasma sequencing in a case of congenital deafness. Genetics in Medicine, 2014, 16, 972-976.	1.1	47
23	Performance Comparison between Rapid Sequencing Platforms for Ultra-Low Coverage Sequencing Strategy. PLoS ONE, 2014, 9, e92192.	1.1	23
24	Rapid detection of aneuploidies on a benchtop sequencing platform. Prenatal Diagnosis, 2013, 33, 232-237.	1.1	9
25	A method for noninvasive detection of fetal large deletions/duplications by low coverage massively parallel sequencing. Prenatal Diagnosis, 2013, 33, 584-590.	1.1	103
26	Massively Parallel Sequencing for Chromosomal Abnormality Testing in Trophectoderm Cells of Human Blastocysts1. Biology of Reproduction, 2013, 88, 69.	1.2	104
27	Haplotype-assisted accurate non-invasive fetal whole genome recovery through maternal plasma sequencing. Genome Medicine, 2013, 5, 18.	3.6	36
28	Noninvasive Prenatal Detection for Pathogenic CNVs: The Application in Î±-Thalassemia. PLoS ONE, 2013, 8, e67464.	1.1	24
29	A Single Cell Level Based Method for Copy Number Variation Analysis by Low Coverage Massively Parallel Sequencing. PLoS ONE, 2013, 8, e54236.	1.1	66
30	Noninvasive Fetal Trisomy (NIFTY) test: an advanced noninvasive prenatal diagnosis methodology for fetal autosomal and sex chromosomal aneuploidies. BMC Medical Genomics, 2012, 5, 57.	0.7	132
31	Noninvasive prenatal diagnosis of common fetal chromosomal aneuploidies by maternal plasma DNA sequencing. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1370-1374.	0.7	106