Sophie Petropoulos

List of Publications by Year
in descending order

41	3,351	185998 28	276539 41
papers	citations	h-index	g-index

47	47	47	4634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Cell RNA-Seq Reveals Lineage and X Chromosome Dynamics in Human Preimplantation Embryos. Cell, 2016, 165, 1012-1026.	13.5	830
2	Fetal programming of hypothalamicâ€“pituitaryâ€“adrenal (HPA) axis function and behavior by synthetic glucocorticoids. Brain Research Reviews, 2008, 57, 586-595.	9.1	221
3	Single-cell analysis of human ovarian cortex identifies distinct cell populations but no oogonial stem cells. Nature Communications, 2020, 11, 1147.	5.8	188
4	Comprehensive Cell Surface Protein Profiling Identifies Specific Markers of Human Naive and Primed Pluripotent States. Cell Stem Cell, 2017, 20, 874-890.e7.	5.2	150
5	Prenatal Synthetic Glucocorticoid Treatment Changes DNA Methylation States in Male Organ Systems: Multigenerational Effects. Endocrinology, 2012, 153, 3269-3283.	1.4	138
6	Evaluating totipotency using criteria of increasing stringency. Nature Cell Biology, 2021, 23, 49-60.	4.6	121
7	Position- and Hippo signaling-dependent plasticity during lineage segregation in the early mouse embryo. ELife, 2017, 6, .	2.8	117
8	Placental drug transporters and their role in fetal protection. Placenta, 2012, 33, 137-142.	0.7	115
9	Adult human and mouse ovaries lack DDX4-expressing functional oogonial stem cells. Nature Medicine, 2015, 21, 1116-1118.	15.2	113
10	Single-cell analyses of X Chromosome inactivation dynamics and pluripotency during differentiation. Genome Research, 2016, 26, 1342-1354.	2.4	93
11	Multidrug Resistance Phosphoglycoprotein (ABCB1) in the Mouse Placenta: Fetal Protection1. Biology of Reproduction, 2005, 73, 591-597.	1.2	92
12	Glucocorticoid Programming of the Fetal Male Hippocampal Epigenome. Endocrinology, 2013, 154, 1168-1180.	1.4	83
13	Gestational Diabetes Alters Offspring DNA Methylation Profiles in Human and Rat: Identification of Key Pathways Involved in Endocrine System Disorders, Insulin Signaling, Diabetes Signaling, and ILK Signaling. Endocrinology, 2015, 156, 2222-2238.	1.4	63
14	Effects of Antenatal Synthetic Glucocorticoid on Glucocorticoid Receptor Binding, DNA Methylation, and Genome-Wide mRNA Levels in the Fetal Male Hippocampus. Endocrinology, 2013, 154, 4170-4181.	1.4	62
15	Adult Glucocorticoid Exposure Leads to Transcriptional and DNA Methylation Changes in Nuclear Steroid Receptors in the Hippocampus and Kidney of Mouse Male Offspring1. Biology of Reproduction, 2014, 90, 43.	1.2	58
16	The signature of liver cancer in immune cells DNA methylation. Clinical Epigenetics, 2018, 10, 8.	1.8	51
17	Pro-Inflammatory Cytokine Regulation of P-glycoprotein in the Developing Blood-Brain Barrier. PLoS ONE, 2012, 000, e43022.	1.1	51
18	Breast Cancer Resistance Protein (Bcrp1/Abcg2) in Mouse Placenta and Yolk Sac: Ontogeny and its Regulation by Progesterone. Placenta, 2007, 28, 1073-1081.	0.7	47

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19	Prenatal Endotoxemia and Placental Drug Transport in The Mouse: Placental Size-Specific Effects. PLoS ONE, 2013, 8, e65728.	1.1	46
20	Functional Changes of Mouse Placental Multidrug Resistance Phosphoglycoprotein (ABCB1) With Advancing Gestation and Regulation by Progesterone. Reproductive Sciences, 2007, 14, 321-328.	1.1	44
21	Effect of glucocorticoids on regulation of placental multidrug resistance phosphoglycoprotein (P-gp) in the mouse. Placenta, 2010, 31, 803-810.	0.7	44
22	The human PRD-like homeobox gene LEUTX has a central role in embryo genome activation. Development (Cambridge), 2016, 143, 3459-3469.	1.2	42
23	Developmental expression of multidrug resistance phosphoglycoprotein (P-gp) in the mouse fetal brain and glucocorticoid regulation. Brain Research, 2010, 1357, 9-18.	1.1	37
24	Lesion of cholinergic neurons in nucleus basalis enhances response to general anesthetics. Experimental Neurology, 2011, 228, 259-269.	2.0	34
25	Effects of Sertraline and Fluoxetine on P-Glycoprotein at Barrier Sites: In Vivo and In Vitro Approaches. PLoS ONE, 2013, 8, e56525.	1.1	34
26	Acute Effects of Viral Exposure on P-Glycoprotein Function in the Mouse Fetal Blood-Brain Barrier. Cellular Physiology and Biochemistry, 2017, 41, 1044-1050.	1.1	34
27	Characterization and target genes of nine human PRD-like homeobox domain genes expressed exclusively in early embryos. Scientific Reports, 2016, 6, 28995.	1.6	33
28	The E-cadherin/AmotL2 complex organizes actin filaments required for epithelial hexagonal packing and blastocyst hatching. Scientific Reports, 2017, 7, 9540.	1.6	30
29	Multidrug resistance phosphoglycoprotein (ABCB1) expression in the guinea pig placenta: developmental changes and regulation by betamethasone. Canadian Journal of Physiology and Pharmacology, 2009, 87, 973-978.	0.7	29
30	Polycomb repressive complex 2 shields naÃ¯ve human pluripotent cells from trophectoderm differentiation. Nature Cell Biology, 2022, 24, 845-857.	4.6	26
31	Sertraline Alters Multidrug Resistance Phosphoglycoprotein Activity in the Mouse Placenta and Fetal Bloodâ€“Brain Barrier. Reproductive Sciences, 2012, 19, 407-415.	1.1	21
32	The Multidrug Resistance 1 Gene Abcb1 in Brain and Placenta: Comparative Analysis in Human and Guinea Pig. PLoS ONE, 2014, 9, e111135.	1.1	20
33	Breast Cancer-Resistance Protein (BCRP1) in the Fetal Mouse Brain: Development and Glucocorticoid Regulation. Biology of Reproduction, 2011, 84, 783-789.	1.2	16
34	Glucocorticoid Regulation of Placental Breast Cancer Resistance Protein (Bcrp1) in the Mouse. Reproductive Sciences, 2011, 18, 631-639.	1.1	16
35	Singleâ€cell <scp>RNA</scp> sequencing: revealing human preâ€implantation development, pluripotency and germline development. Journal of Internal Medicine, 2016, 280, 252-264.	2.7	11
36	Tocotrienol Treatment in Familial Dysautonomia: Open-Label Pilot Study. Journal of Molecular Neuroscience, 2016, 59, 382-391.	1.1	7

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37	Targeted DNA Methylation Analysis Methods. Methods in Pharmacology and Toxicology, 2017, , 33-50.	0.1	3
38	Adult Human and Mouse Ovaries Lack DDX4-Expressing Functional Oogonial Stem Cells. Obstetrical and Gynecological Survey, 2016, 71, 29-30.	0.2	1
39	Single-Cell Analysis of Human Ovarian Cortex Identifies Distinct Cell Populations But No Oogonial Stem Cells. Obstetrical and Gynecological Survey, 2020, 75, 354-355.	0.2	1
40	High-Throughput Techniques for DNA Methylation Profiling. Methods in Pharmacology and Toxicology, 2017, , 1-15.	0.1	0
41	OR31-03 Single-Cell Profiling of Adult Human Ovarian Cortex Reveals Six Main Cell Types but No Germline Stem Cells. Journal of the Endocrine Society, 2020, 4, .	0.1	0