

Chandrakant Tayade

List of Publications by Year in descending order

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82
papers

3,757
citations

126907

33
h-index

133252

59
g-index

82
all docs

82
docs citations

82
times ranked

4472
citing authors

#	ARTICLE	IF	CITATIONS
1	The Immunopathophysiology of Endometriosis. Trends in Molecular Medicine, 2018, 24, 748-762.	6.7	275
2	Pathophysiology and Immune Dysfunction in Endometriosis. BioMed Research International, 2015, 2015, 1-12.	1.9	238
3	Interferon Gamma in Successful Pregnancies1. Biology of Reproduction, 2009, 80, 848-859.	2.7	231
4	Uterine natural killer cells: a specialized differentiation regulated by ovarian hormones. Immunological Reviews, 2006, 214, 161-185.	6.0	223
5	Biomarkers in endometriosis: challenges and opportunities. Fertility and Sterility, 2017, 107, 523-532.	1.0	145
6	IL-17A Contributes to the Pathogenesis of Endometriosis by Triggering Proinflammatory Cytokines and Angiogenic Growth Factors. Journal of Immunology, 2015, 195, 2591-2600.	0.8	138
7	Immune-inflammation gene signatures in endometriosis patients. Fertility and Sterility, 2016, 106, 1420-1431.e7.	1.0	129
8	Extracellular vesicle mediated intercellular communication at the porcine maternal-fetal interface: A new paradigm for conceptus-endometrial cross-talk. Scientific Reports, 2017, 7, 40476.	3.3	125
9	Implications of immune dysfunction on endometriosis associated infertility. Oncotarget, 2017, 8, 7138-7147.	1.8	115
10	Differential Gene Expression in Endometrium, Endometrial Lymphocytes, and Trophoblasts during Successful and Abortive Embryo Implantation. Journal of Immunology, 2006, 176, 148-156.	0.8	109
11	Genetic Deletion of Placenta Growth Factor in Mice Alters Uterine NK Cells. Journal of Immunology, 2007, 178, 4267-4275.	0.8	109
12	KRAS Activation and over-expression of SIRT1/BCL6 Contributes to the Pathogenesis of Endometriosis and Progesterone Resistance. Scientific Reports, 2017, 7, 6765.	3.3	104
13	MicroRNAs, immune cells and pregnancy. Cellular and Molecular Immunology, 2014, 11, 538-547.	10.5	86
14	Surgical removal of endometriotic lesions alters local and systemic proinflammatory cytokines in endometriosis patients. Fertility and Sterility, 2016, 105, 968-977.e5.	1.0	84
15	Lymphocyte contributions to altered endometrial angiogenesis during early and midgestation fetal loss. Journal of Leukocyte Biology, 2007, 82, 877-886.	3.3	68
16	In Vitro and In Vivo Germ Line Potential of Stem Cells Derived from Newborn Mouse Skin. PLoS ONE, 2011, 6, e20339.	2.5	64
17	Differential expression of plasma microRNA in preeclamptic patients at delivery and 1 year postpartum. American Journal of Obstetrics and Gynecology, 2015, 213, 367.e1-367.e9.	1.3	63
18	Differential transcription of Eomes and T-bet during maturation of mouse uterine natural killer cells. Journal of Leukocyte Biology, 2005, 78, 1347-1355.	3.3	61

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19	Functions of alpha 2 macroglobulins in pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2005, 245, 60-66.	3.2	58
20	Pregnancy and spontaneous fetal loss: A pig perspective. <i>Molecular Reproduction and Development</i> , 2017, 84, 856-869.	2.0	58
21	Interleukin-33 modulates inflammation in endometriosis. <i>Scientific Reports</i> , 2017, 7, 17903.	3.3	58
22	IL-17A Modulates Peritoneal Macrophage Recruitment and M2 Polarization in Endometriosis. <i>Frontiers in Immunology</i> , 2020, 11, 108.	4.8	57
23	Analysis of Uterine Natural Killer Cells in Mice. <i>Methods in Molecular Biology</i> , 2010, 612, 465-503.	0.9	55
24	The MicroRNAome of Pregnancy: Deciphering miRNA Networks at the Maternal-Fetal Interface. <i>PLoS ONE</i> , 2013, 8, e72264.	2.5	55
25	A Review of Trafficking and Activation of Uterine Natural Killer Cells. <i>American Journal of Reproductive Immunology</i> , 2005, 54, 322-331.	1.2	54
26	A Review of Molecular Contrasts Between Arresting and Viable Porcine Attachment Sites. <i>American Journal of Reproductive Immunology</i> , 2007, 58, 470-480.	1.2	52
27	Extracellular vesicles from endometriosis patients are characterized by a unique miRNA-lncRNA signature. <i>JCI Insight</i> , 2019, 4, .	5.0	52
28	Characterization of Canine Embryonic Stem Cell Lines Derived From Different Niche Microenvironments. <i>Stem Cells and Development</i> , 2009, 18, 1167-1178.	2.1	51
29	A Review of Gene Expression in Porcine Endometrial Lymphocytes, Endothelium and Trophoblast During Pregnancy Success and Failure. <i>Journal of Reproduction and Development</i> , 2007, 53, 455-463.	1.4	50
30	l-Arginine stimulates immune response in chickens immunized with intermediate plus strain of infectious bursal disease vaccine. <i>Vaccine</i> , 2006, 24, 552-560.	3.8	48
31	Placentation, maternal-fetal interface, and conceptus loss in swine. <i>Theriogenology</i> , 2016, 85, 135-144.	2.1	41
32	Expression of angiogenic basic fibroblast growth factor, platelet derived growth factor, thrombospondin-1 and their receptors at the porcine maternal-fetal interface. <i>Reproductive Biology and Endocrinology</i> , 2011, 9, 5.	3.3	37
33	Animal models for anti-angiogenic therapy in endometriosis. <i>Journal of Reproductive Immunology</i> , 2013, 97, 85-94.	1.9	35
34	Neutrophil recruitment and function in endometriosis patients and a syngeneic murine model. <i>FASEB Journal</i> , 2020, 34, 1558-1575.	0.5	35
35	Expression of chemokine decoy receptors and their ligands at the porcine maternal-fetal interface. <i>Immunology and Cell Biology</i> , 2011, 89, 304-313.	2.3	32
36	Heterogeneity in composition of mouse uterine natural killer cell granules. <i>Journal of Leukocyte Biology</i> , 2012, 92, 195-204.	3.3	32

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37	Protein Inhibitor of Activated STAT3 (PIAS3) Is Down-Regulated in Eutopic Endometrium of Women with Endometriosis. <i>Biology of Reproduction</i> , 2016, 95, 11-11.	2.7	32
38	l-Arginine stimulates intestinal intraepithelial lymphocyte functions and immune response in chickens orally immunized with live intermediate plus strain of infectious bursal disease vaccine. <i>Vaccine</i> , 2006, 24, 5473-5480.	3.8	29
39	Characterization of a Murine Alpha 2 Macroglobulin Gene Expressed in Reproductive and Cardiovascular Tissue1. <i>Biology of Reproduction</i> , 2005, 72, 266-275.	2.7	28
40	Maternal Circulating microRNAs and Pre-Eclampsia: Challenges for Diagnostic Potential. <i>Molecular Diagnosis and Therapy</i> , 2017, 21, 23-30.	3.8	23
41	Distinct microRNA expression in endometrial lymphocytes, endometrium, and trophoblast during spontaneous porcine fetal loss. <i>Journal of Reproductive Immunology</i> , 2015, 107, 64-79.	1.9	22
42	IL-33 activates group 2 innate lymphoid cell expansion and modulates endometriosis. <i>JCI Insight</i> , 2021, 6, .	5.0	20
43	Immunological Mechanisms Affecting Angiogenesis and Their Relation to Porcine Pregnancy Success. <i>Immunological Investigations</i> , 2008, 37, 611-629.	2.0	19
44	Long Telomeres Bypass the Requirement for Telomere Maintenance in Human Tumorigenesis. <i>Cell Reports</i> , 2012, 1, 91-98.	6.4	19
45	Effects of placental growth factor deficiency on behavior, neuroanatomy, and cerebrovasculature of mice. <i>Physiological Genomics</i> , 2018, 50, 862-875.	2.3	19
46	Angiogenic DCá€¦SIGN + cells are present at the attachment sites of epitheliochorial placentae. <i>Immunology and Cell Biology</i> , 2010, 88, 63-71.	2.3	18
47	Moderate Exercise Attenuates Lipopolysaccharide-Induced Inflammation and Associated Maternal and Fetal Morbidities in Pregnant Rats. <i>PLoS ONE</i> , 2016, 11, e0154405.	2.5	18
48	Cervical cerclage placement decreases local levels of proinflammatory cytokines in patients with cervical insufficiency. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 455.e1-455.e8.	1.3	16
49	An epigenetic increase in mitochondrial fission by MiD49 and MiD51 regulates the cell cycle in cancer: <i>Diagnostic and therapeutic implications</i>. <i>FASEB Journal</i> , 2020, 34, 5106-5127.	0.5	16
50	Characterization of immune cells and cytokine localization in the rat utero-placental unit mid- to late gestation. <i>Journal of Reproductive Immunology</i> , 2015, 110, 89-101.	1.9	15
51	Evidence of inflammation and predisposition toward metabolic syndrome after pre-eclampsia. <i>Pregnancy Hypertension</i> , 2015, 5, 354-358.	1.4	15
52	Blocking of Stromal Cell-Derived Factor-1 Reduces Neoangiogenesis in Human Endometriosis Lesions in a Mouse Model. <i>American Journal of Reproductive Immunology</i> , 2013, 70, n/a-n/a.	1.2	14
53	Selection and Validation of Reference Genes for miRNA Expression Studies during Porcine Pregnancy. <i>PLoS ONE</i> , 2011, 6, e28940.	2.5	14
54	A balancing act: RNA binding protein HuR/TTP axis in endometriosis patients. <i>Scientific Reports</i> , 2017, 7, 5883.	3.3	13

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55	The endometria of women with endometriosis exhibit dysfunctional expression of complement regulatory proteins during the mid secretory phase. <i>Journal of Reproductive Immunology</i> , 2018, 125, 1-7.	1.9	13
56	A peptide inhibitor of synuclein- β reduces neovascularization of human endometriotic lesions. <i>Molecular Human Reproduction</i> , 2014, 20, 1002-1008.	2.8	12
57	Onset and Regression of Pregnancy-Induced Cardiac Alterations in Gestationally Hypertensive Mice: The Role of the Natriuretic Peptide System1. <i>Biology of Reproduction</i> , 2015, 93, 142.	2.7	12
58	mRNA Destabilizing Factors: Tristetraprolin Expression at the Porcine Maternal-Fetal Interface. <i>American Journal of Reproductive Immunology</i> , 2015, 73, 402-416.	1.2	12
59	Insights Into Extracellular Vesicle/Exosome and miRNA Mediated Bi-Directional Communication During Porcine Pregnancy. <i>Frontiers in Veterinary Science</i> , 2021, 8, 654064.	2.2	12
60	Thrombospondin-1 Mimetic Peptide ABT-898 Affects Neovascularization and Survival of Human Endometriotic Lesions in a Mouse Model. <i>American Journal of Pathology</i> , 2012, 181, 570-582.	3.8	11
61	Altered expression of chemokines and their receptors at porcine maternal-fetal interface during early and mid-gestational fetal loss. <i>Cell and Tissue Research</i> , 2016, 366, 747-761.	2.9	10
62	Influences of placental growth factor on mouse retinal vascular development. <i>Developmental Dynamics</i> , 2017, 246, 700-712.	1.8	10
63	Adult Pgf β mice behaviour and neuroanatomy are altered by neonatal treatment with recombinant placental growth factor. <i>Scientific Reports</i> , 2019, 9, 9285.	3.3	10
64	Expression of Insulin-like Growth Factor (IGF) Family Members in Porcine Pregnancy. <i>Journal of Reproduction and Development</i> , 2012, 58, 51-60.	1.4	9
65	RNA-Binding Proteins in Female Reproductive Pathologies. <i>American Journal of Pathology</i> , 2017, 187, 1200-1210.	3.8	8
66	Laser Capture Microdissection for Gene Expression Analysis. <i>Methods in Molecular Biology</i> , 2015, 1219, 115-137.	0.9	8
67	Expression of leptin and its long form receptor at the porcine maternal-fetal interface: contrasting healthy and arresting conceptus attachment sites during early and mid-pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 91.	3.3	7
68	IL-33-ILC2 axis in the female reproductive tract. <i>Trends in Molecular Medicine</i> , 2022, 28, 569-582.	6.7	7
69	Microscopic Anatomy of the Pregnant Mouse Uterus Throughout Gestation. , 2014, , 43-67.		6
70	RNA binding protein, tristetraprolin in a murine model of recurrent pregnancy loss. <i>Oncotarget</i> , 2016, 7, 72486-72502.	1.8	6
71	Compatibility of a Novel Thrombospondin-1 Analog with Fertility and Pregnancy in a Xenograft Mouse Model of Endometriosis. <i>PLoS ONE</i> , 2015, 10, e0121545.	2.5	5
72	Laser Capture Microdissection. , 2014, , 567-575.		4

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73	Carbon monoxide increases utero-placental angiogenesis without impacting pregnancy specific adaptations in mice. <i>Reproductive Biology and Endocrinology</i> , 2020, 18, 49.	3.3	4
74	Synthetic Cannabinoid Agonist WIN 55212-2 Targets Proliferation, Angiogenesis, and Apoptosis via MAPK/AKT Signaling in Human Endometriotic Cell Lines and a Murine Model of Endometriosis. <i>Frontiers in Reproductive Health</i> , 2021, 3, .	1.9	4
75	Implications of dysregulated endogenous cannabinoid family members in the pathophysiology of endometriosis. <i>F&S Science</i> , 2021, 2, 419-430.	0.9	3
76	Are Pharmacological Interventions Between Conception and Birth Effective in Improving Reproductive Outcomes in North American Swine?. <i>Reproduction in Domestic Animals</i> , 2014, 49, 536-542.	1.4	2
77	Developmental origins of pregnancy-induced cardiac changes: establishment of a novel model using the atrial natriuretic peptide gene-disrupted mice. <i>Molecular and Cellular Biochemistry</i> , 2018, 449, 227-236.	3.1	2
78	Moderate exercise attenuates lipopolysaccharide-induced inflammation and associated maternal and fetal morbidities in pregnant rats. <i>Placenta</i> , 2016, 45, 102.	1.5	1
79	Chronic effects of an anti-angiogenic thrombospondin-1 mimetic peptide, ABT-898, on female mouse reproductive outcomes. <i>Reproductive Biology and Endocrinology</i> , 2016, 14, 56.	3.3	1
80	Endometrial Immune-Inflammatory Gene Signatures in Endometriosis. , 2020, , 141-158.		1
81	Regulation of Angiogenesis at the Maternal-Fetal Interface: Insights from Porcine Pregnancy Success or Failure.. <i>Biology of Reproduction</i> , 2008, 78, 231-231.	2.7	0
82	Prevalent innate and adaptive immune mechanisms in endometriosis. , 2022, , 229-248.		0