

Deepak Modi

List of Publications by Year in descending order

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93
papers

3,124
citations

172443

29
h-index

189881

50
g-index

108
all docs

108
docs citations

108
times ranked

3778
citing authors

#	ARTICLE	IF	CITATIONS
1	Decidual Control of Trophoblast Invasion. American Journal of Reproductive Immunology, 2016, 75, 341-350.	1.2	213
2	Genetics of the human Y chromosome and its association with male infertility. Reproductive Biology and Endocrinology, 2018, 16, 14.	3.3	187
3	Accelerated germ cell apoptosis in sex chromosome aneuploid fetal human gonads. Molecular Human Reproduction, 2003, 9, 219-225.	2.8	155
4	Embryo Implantation: War in Times of Love. Endocrinology, 2018, 159, 1188-1198.	2.8	139
5	Membrane Vesicles of Group B Streptococcus Disrupt Feto-Maternal Barrier Leading to Preterm Birth. PLoS Pathogens, 2016, 12, e1005816.	4.7	114
6	Extracellular vesicle mediated embryo-endometrial cross talk during implantation and in pregnancy. Journal of Assisted Reproduction and Genetics, 2019, 36, 189-198.	2.5	96
7	Single-Cell RNA-seq Identifies Cell Subsets in Human Placenta That Highly Expresses Factors Driving Pathogenesis of SARS-CoV-2. Frontiers in Cell and Developmental Biology, 2020, 8, 783.	3.7	92
8	Decidualized endometrial stromal cell derived factors promote trophoblast invasion. Fertility and Sterility, 2011, 95, 1278-1283.	1.0	75
9	Follicle-stimulating hormone receptor polymorphism (Thr307Ala) is associated with variable ovarian response and ovarian hyperstimulation syndrome in Indian women. Fertility and Sterility, 2009, 91, 432-439.	1.0	71
10	Follicle stimulating hormone receptor gene variants in women with primary and secondary amenorrhea. Journal of Assisted Reproduction and Genetics, 2010, 27, 317-326.	2.5	71
11	Persistence of SARS-CoV-2 in the first trimester placenta leading to transplacental transmission and fetal demise from an asymptomatic mother. Human Reproduction, 2021, 36, 899-906.	0.9	70
12	Progesterone utilizes the PI3K-AKT pathway in human spermatozoa to regulate motility and hyperactivation but not acrosome reaction. Molecular and Cellular Endocrinology, 2013, 374, 82-91.	3.2	67
13	Regulation of homeobox A10 expression in the primate endometrium by progesterone and embryonic stimuli. Reproduction, 2007, 134, 513-523.	2.6	61
14	Levels of microRNA miR-16 and miR-155 are altered in serum of patients with tuberculosis and associate with responses to therapy. Tuberculosis, 2017, 102, 24-30.	1.9	60
15	Poor ovarian response to gonadotrophin stimulation is associated with FSH receptor polymorphism. Reproductive BioMedicine Online, 2009, 18, 509-515.	2.4	59
16	Regulation of decidualization, interleukin-11 and interleukin-15 by homeobox A 10 in endometrial stromal cells. Journal of Reproductive Immunology, 2010, 85, 130-139.	1.9	55
17	Differential concentration and time dependent effects of progesterone on kinase activity, hyperactivation and acrosome reaction in human spermatozoa. Journal of Developmental and Physical Disabilities, 2012, 35, 633-644.	3.6	55
18	Stage-specific Localization and Expression of c-kit in the Adult Human Testis. Journal of Histochemistry and Cytochemistry, 2009, 57, 861-869.	2.5	54

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19	Developmental expression and cellular distribution of Mullerian inhibiting substance in the primate ovary. <i>Reproduction</i> , 2006, 132, 443-453.	2.6	53
20	Decrease in Expression of HOXA10 in the Decidua After Embryo Implantation Promotes Trophoblast Invasion. <i>Endocrinology</i> , 2017, 158, 2618-2633.	2.8	53
21	Coexistence of Intracellular and Membrane-Bound Progesterone Receptors in Human Testis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 474-483.	3.6	52
22	Ontogeny and cellular localization of SRY transcripts in the human testes and its detection in spermatozoa. <i>Reproduction</i> , 2005, 130, 603-613.	2.6	45
23	Differential impact of COVID-19 in pregnant women from high-income countries and low-to middle-income countries: A systematic review and meta-analysis. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 155, 48-56.	2.3	44
24	The 2019 PGDIS position statement on transfer of mosaic embryos within a context of new information on PGT-A. <i>Reproductive Biology and Endocrinology</i> , 2020, 18, 57.	3.3	43
25	Y chromosome microdeletions in infertile men: prevalence, phenotypes and screening markers for the Indian population. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 413-422.	2.5	41
26	HIV gp120 Binds to Mannose Receptor on Vaginal Epithelial Cells and Induces Production of Matrix Metalloproteinases. <i>PLoS ONE</i> , 2011, 6, e28014.	2.5	40
27	Levels of Tektin 2 and CatSper 2 in normozoospermic and oligoasthenozoospermic men and its association with motility, fertilization rate, embryo quality and pregnancy rate. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 513-523.	2.5	40
28	HOXA10 signals on the highway through pregnancy. <i>Journal of Reproductive Immunology</i> , 2009, 83, 72-78.	1.9	34
29	Morphological events in the primate endometrium in the presence of a preimplantation embryo, detected by the serum preimplantation factor bioassay. <i>Human Reproduction</i> , 2005, 20, 61-71.	0.9	33
30	Screening for FOXL2 gene mutations in women with premature ovarian failure: an Indian experience. <i>Reproductive BioMedicine Online</i> , 2007, 15, 554-560.	2.4	31
31	Consequences of Y chromosome microdeletions beyond male infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 1329-1337.	2.5	29
32	Homeobox genes in endometrium: from development to decidualization. <i>International Journal of Developmental Biology</i> , 2020, 64, 227-237.	0.6	29
33	Exposure of adult rats to estradiol valerate induces ovarian cyst with early senescence of follicles. <i>Molecular and Cellular Endocrinology</i> , 2007, 272, 22-37.	3.2	28
34	Extracellular vesicles in embryo implantation and disorders of the endometrium. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13360.	1.2	28
35	Altered expression of progesterone receptors in testis of infertile men. <i>Reproductive BioMedicine Online</i> , 2008, 17, 175-184.	2.4	27
36	Susceptibility of gr/gr rearrangements to azoospermia or oligozoospermia is dependent on DAZ and CDY1 gene copy deletions. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 1333-1341.	2.5	27

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37	Down syndrome: a study of chromosomal mosaicism. <i>Reproductive BioMedicine Online</i> , 2003, 6, 499-503.	2.4	26
38	N-terminal region of progesterone receptor B isoform in human spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2005, 28, 360-371.	3.6	26
39	AP-1 Transcription Factors, Mucin-Type Molecules and MMPs Regulate the IL-11 Mediated Invasiveness of JEG-3 and HTR-8/SVneo Trophoblastic Cells. <i>PLoS ONE</i> , 2012, 7, e29745.	2.5	26
40	The use of preimplantation genetic diagnosis in sex selection for family balancing in India. <i>Reproductive BioMedicine Online</i> , 2002, 4, 16-20.	2.4	25
41	Progesterone requires heat shock protein 90 (HSP90) in human sperm to regulate motility and acrosome reaction. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 495-503.	2.5	25
42	Oviductal glycoprotein 1 (OVGP1) is expressed by endometrial epithelium that regulates receptivity and trophoblast adhesion. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1419-1429.	2.5	25
43	Universal screening identifies asymptomatic carriers of SARS-CoV-2 among pregnant women in India. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2021, 256, 503-505.	1.1	24
44	Longer CAG repeat length in the androgen receptor gene is associated with premature ovarian failure. <i>Human Reproduction</i> , 2009, 24, 3230-3235.	0.9	23
45	Latent genital tuberculosis adversely affects the ovarian reserve in infertile women. <i>Human Reproduction</i> , 2018, 33, 1262-1269.	0.9	23
46	Gene expression profiling during early folliculogenesis in the mouse ovary. <i>Fertility and Sterility</i> , 2009, 91, 2025-2036.	1.0	22
47	Estrogen is essential but not sufficient to induce endometriosis. <i>Journal of Biosciences</i> , 2017, 42, 251-263.	1.1	22
48	Y chromosome mosaicism and occurrence of gonadoblastoma in cases of Turner syndrome and amenorrhoea. <i>Reproductive BioMedicine Online</i> , 2007, 15, 547-553.	2.4	21
49	<i>In Vivo</i> Studies of 3D Starch-Gelatin Scaffolds for Full-Thickness Wound Healing. <i>ACS Applied Bio Materials</i> , 2020, 3, 2920-2929.	4.6	20
50	Histochemical Staining of Collagen and Identification of Its Subtypes by Picrosirius Red Dye in Mouse Reproductive Tissues. <i>Bio-protocol</i> , 2017, 7, e2592.	0.4	19
51	HIV gp120 induced gene expression signatures in vaginal epithelial cells. <i>Microbes and Infection</i> , 2013, 15, 806-815.	1.9	17
52	Cellular ontogeny of RBMY during human spermatogenesis and its role in sperm motility. <i>Journal of Biosciences</i> , 2013, 38, 85-92.	1.1	16
53	Impact of SARS-CoV-2 on multiple gestation pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 152, 220-225.	2.3	16
54	Endometrial expression of immunomodulatory cytokines and their regulators during early pregnancy in bonnet monkeys (<i>Macaca radiata</i>). <i>Human Reproduction</i> , 2005, 20, 3039-3046.	0.9	14

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55	Progesterone activates Janus Kinase 1/2 and activators of transcription 1 (JAK1-2/STAT1) pathway in human spermatozoa. <i>Andrologia</i> , 2013, 45, 178-186.	2.1	14
56	Expression map of entry receptors and infectivity factors for pan-coronaviruses in preimplantation and implantation stage human embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1709-1720.	2.5	14
57	Mouse model for endometriosis is characterized by proliferation and inflammation but not epithelial-to-mesenchymal transition and fibrosis. <i>Journal of Biosciences</i> , 2020, 45, 1.	1.1	13
58	Spatial and temporal changes in the expression of steroid hormone receptors in mouse model of endometriosis. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1069-1081.	2.5	13
59	Immune alterations in recurrent implantation failure. <i>American Journal of Reproductive Immunology</i> , 2023, 89, .	1.2	13
60	Clinical presentations, pregnancy complications, and maternal outcomes in pregnant women with COVID-19 and tuberculosis: A retrospective cohort study. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 153, 176-179.	2.3	12
61	Clinical characteristics, management, and short term outcome of neonates born to mothers with COVID-19 in a tertiary care hospital in India. <i>Journal of Tropical Pediatrics</i> , 2021, 67, .	1.5	12
62	Rab coupling protein (RCP): a novel target of progesterone action in primate endometrium. <i>Journal of Molecular Endocrinology</i> , 2005, 35, 357-372.	2.5	11
63	Meta-analysis on prevalence of vaginal group B streptococcus colonization and preterm births in India. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 2923-2931.	1.5	11
64	Commentary on two recently published formal guidelines on management of mosaic embryos after preimplantation genetic testing for aneuploidy (PGT-A). <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 23.	3.3	11
65	Modulation of E-Cadherin and N-Cadherin by ovarian steroids and embryonic stimuli. <i>Tissue and Cell</i> , 2021, 73, 101670.	2.2	11
66	Subcutaneous nodules of cysticercosis as a sign of asymptomatic neurocysticercosis in an HIV positive patient. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2018, 51, 861-863.	0.9	10
67	Identification and in vivo validation of a 9-mer peptide derived from FSH β with FSHR antagonist activity. <i>Peptides</i> , 2020, 132, 170367.	2.4	10
68	LIM Homeodomain (LIM-HD) Genes and Their Co-Regulators in Developing Reproductive System and Disorders of Sex Development. <i>Sexual Development</i> , 2022, 16, 147-161.	2.0	10
69	Association of progesterone receptor gene polymorphism with male infertility and clinical outcome of ICSI. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1133-1139.	2.5	9
70	Extra-oviductal expression of oviductal glycoprotein 1 in mouse: Detection in testis, epididymis and ovary. <i>Journal of Biosciences</i> , 2017, 42, 69-80.	1.1	9
71	Resuming Assisted Reproduction Services during COVID-19 Pandemic: An Initial Indian Experience. <i>Journal of Human Reproductive Sciences</i> , 2020, 13, 323.	0.9	9
72	Identification of motility-associated progesterone-responsive differentially phosphorylated proteins. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1115.	0.4	8

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73	Lhx2 in germ cells suppresses endothelial cell migration in the developing ovary. <i>Experimental Cell Research</i> , 2022, 415, 113108.	2.6	8
74	Identification of genes regulated by an interaction between v3 integrin and vitronectin in murine decidua. <i>Reproduction, Fertility and Development</i> , 2008, 20, 311.	0.4	7
75	Expression of Endometrial Protein Kinase A During Early Pregnancy in Bonnet Monkeys (Macaca Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	7
76	Over-Expression of M μ llerian Inhibiting Substance mRNA in the Turner Syndrome Ovary. <i>Sexual Development</i> , 2009, 3, 245-252.	2.0	6
77	Deletion of GOLGA2P3Y but not GOLGA2P2Y is a risk factor for oligozoospermia. <i>Reproductive BioMedicine Online</i> , 2016, 32, 218-224.	2.4	6
78	A Stable CHO K1 Cell Line for Producing Recombinant Monoclonal Antibody Against TNF- β . <i>Molecular Biotechnology</i> , 2021, 63, 828-839.	2.4	6
79	Estrogen suppresses HOXB2 expression via ER β in breast cancer cells. <i>Gene</i> , 2021, 794, 145746.	2.2	6
80	Progesterone receptors on human spermatozoa. <i>Indian Journal of Experimental Biology</i> , 2003, 41, 773-80.	0.0	6
81	Simplified approach for in-vitro production and purification of cell derived Cancer Antigen 15-3. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1456-1462.	7.5	4
82	Crusted scabies in a pediatric renal transplant recipient on immunosuppressants. <i>Transplant Infectious Disease</i> , 2020, 22, e13193.	1.7	4
83	Assessment of oxidative stress in serum of pulmonary tuberculosis patients. <i>International Journal of Research in Medical Sciences</i> , 0, , 3328-3332.	0.1	4
84	Mechanisms of group B Streptococcus-mediated preterm birth: lessons learnt from animal models. <i>Reproduction and Fertility</i> , 2022, 3, R109-R120.	1.8	4
85	The Molecular Genetics of Testis Determination. , 2020, , 3-17.		3
86	Mitochondrial DNA levels in trophoctodermal cells show no association with blastocyst development and pregnancy outcomes. <i>Journal of Human Reproductive Sciences</i> , 2022, 15, 82.	0.9	3
87	Central residues of FSH β (89 \hat{a} €“97) peptide are not critical for FSHR binding: Implications for peptidomimetic design. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 44, 128132.	2.2	2
88	Role of Y Chromosome Microdeletions in the Clinical Evaluation of Infertile Males. <i>MGM Journal of Medical Sciences</i> , 2017, 4, 79-88.	0.1	2
89	A Meta-Analysis for Association of Maternal Group B Streptococcus Colonization and Preterm Birth in Indian Population. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
90	Association of AMH and AMHR2 gene polymorphisms with ovarian response and pregnancy outcomes in Indian women. <i>Journal of Assisted Reproduction and Genetics</i> , 0, , .	2.5	2

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91	High-affinity binding of seminal plasma PSP94 to human immunoglobulin is through the Fab domain. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1889-1894.	2.3	1
92	de novo Histoid leprosy: an expatriate case recently diagnosed in Johannesburg. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2019, 53, e20190468.	0.9	0
93	Immunoregulation in the testis and its implication in fertility and infections. <i>Exploration of Immunology</i> , 2021, , .	0.3	0