

# Deepak Modi

## List of Publications by Year in descending order

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93  
papers

3,124  
citations

172457  
29  
h-index

189892  
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 Müllerian 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. Reproductive BioMedicine Online, 2003, 6, 499-503.	2.4	26
38	N-terminal region of progesterone receptor B isoform in human spermatozoa. Journal of Developmental and Physical Disabilities, 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. PLoS ONE, 2012, 7, e29745.	2.5	26
40	The use of preimplantation genetic diagnosis in sex selection for family balancing in India. Reproductive BioMedicine Online, 2002, 4, 16-20.	2.4	25
41	Progesterone requires heat shock protein 90 (HSP90) in human sperm to regulate motility and acrosome reaction. Journal of Assisted Reproduction and Genetics, 2017, 34, 495-503.	2.5	25
42	Oviductal glycoprotein 1 (OVGP1) is expressed by endometrial epithelium that regulates receptivity and trophoblast adhesion. Journal of Assisted Reproduction and Genetics, 2018, 35, 1419-1429.	2.5	25
43	Universal screening identifies asymptomatic carriers of SARS-CoV-2 among pregnant women in India. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2021, 256, 503-505.	1.1	24
44	Longer CAG repeat length in the androgen receptor gene is associated with premature ovarian failure. Human Reproduction, 2009, 24, 3230-3235.	0.9	23
45	Latent genital tuberculosis adversely affects the ovarian reserve in infertile women. Human Reproduction, 2018, 33, 1262-1269.	0.9	23
46	Gene expression profiling during early folliculogenesis in the mouse ovary. Fertility and Sterility, 2009, 91, 2025-2036.	1.0	22
47	Estrogen is essential but not sufficient to induce endometriosis. Journal of Biosciences, 2017, 42, 251-263.	1.1	22
48	Y chromosome mosaicism and occurrence of gonadoblastoma in cases of Turner syndrome and amenorrhoea. Reproductive BioMedicine Online, 2007, 15, 547-553.	2.4	21
49	In Vivo Studies of 3D Starch-Gelatin Scaffolds for Full-Thickness Wound Healing. ACS Applied Bio Materials, 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. Bio-protocol, 2017, 7, e2592.	0.4	19
51	HIV gp120 induced gene expression signatures in vaginal epithelial cells. Microbes and Infection, 2013, 15, 806-815.	1.9	17
52	Cellular ontogeny of RBMY during human spermatogenesis and its role in sperm motility. Journal of Biosciences, 2013, 38, 85-92.	1.1	16
53	Impact of SARS-CoV-2 on multiple gestation pregnancy. International Journal of Gynecology and Obstetrics, 2021, 152, 220-225.	2.3	16
54	Endometrial expression of immunomodulatory cytokines and their regulators during early pregnancy in bonnet monkeys (Macaca radiata). Human Reproduction, 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 $\beta$ 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. Experimental Cell Research, 2022, 415, 113108.	2.6	8
74	Identification of genes regulated by an interaction between v3 integrin and vitronectin in murine decidua. Reproduction, Fertility and Development, 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 MÃ¼llerian Inhibiting Substance mRNA in the Turner Syndrome Ovary. Sexual Development, 2009, 3, 245-252.	2.0	6
77	Deletion of GOLGA2P3Y but not GOLGA2P2Y is a risk factor for oligozoospermia. Reproductive BioMedicine Online, 2016, 32, 218-224.	2.4	6
78	A Stable CHO K1 Cell Line for Producing Recombinant Monoclonal Antibody Against TNF-Î±. Molecular Biotechnology, 2021, 63, 828-839.	2.4	6
79	Estrogen suppresses HOXB2 expression via ERÎ± in breast cancer cells. Gene, 2021, 794, 145746.	2.2	6
80	Progesterone receptors on human spermatozoa. Indian Journal of Experimental Biology, 2003, 41, 773-80.	0.0	6
81	Simplified approach for in-vitro production and purification of cell derived Cancer Antigen 15-3. International Journal of Biological Macromolecules, 2018, 107, 1456-1462.	7.5	4
82	Crusted scabies in a pediatric renal transplant recipient on immunosuppressants. Transplant Infectious Disease, 2020, 22, e13193.	1.7	4
83	Assessment of oxidative stress in serum of pulmonary tuberculosis patients. International Journal of Research in Medical Sciences, 0, , 3328-3332.	0.1	4
84	Mechanisms of group B Streptococcus-mediated preterm birth: lessons learnt from animal models. Reproduction and Fertility, 2022, 3, R109-R120.	1.8	4
85	The Molecular Genetics of Testis Determination. , 2020, , 3-17.		3
86	Mitochondrial DNA levels in trophectodermal cells show no association with blastocyst development and pregnancy outcomes. Journal of Human Reproductive Sciences, 2022, 15, 82.	0.9	3
87	Central residues of FSHÎ² (89â€“97) peptide are not critical for FSHR binding: Implications for peptidomimetic design. Bioorganic and Medicinal Chemistry Letters, 2021, 44, 128132.	2.2	2
88	Role of Y Chromosome Microdeletions in the Clinical Evaluation of Infertile Males. MGM Journal of Medical Sciences, 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. SSRN Electronic Journal, 0, , .	0.4	2
90	Association of AMH and AMHR2 gene polymorphisms with ovarian response and pregnancy outcomes in Indian women. Journal of Assisted Reproduction and Genetics, 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