

Satish K. Gupta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168 papers	3,563 citations	31 h-index	48 g-index
175 ext. papers	4,052 ext. citations	3.8 avg, IF	5.42 L-index

#	Paper	IF	Citations
168	miR-27b-5p inhibits BeWo cells fusion by regulating WNT2B and enzyme involved in progesterone synthesis. <i>American Journal of Reproductive Immunology</i> , 2021 , 86, e13409	3.8	1
167	Human Zona Pellucida Glycoproteins: Binding Characteristics With Human Spermatozoa and Induction of Acrosome Reaction. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 619868	5.7	5
166	BST2 regulates interferon gamma-dependent decrease in invasion of HTR-8/SVneo cells via STAT1 and AKT signaling pathways and expression of E-cadherin. <i>Cell Adhesion and Migration</i> , 2020 , 14, 24-41	3.2	4
165	Immunogenicity and contraceptive efficacy of recombinant fusion protein encompassing Sp17 spermatozoa-specific protein and GnRH: Relevance of adjuvants and microparticles based delivery to minimize number of injections. <i>American Journal of Reproductive Immunology</i> , 2020 , 83, e13218	3.8	2
164	Alkylated benzimidazoles: Design, synthesis, docking, DFT analysis, ADMET property, molecular dynamics and activity against HIV and YFV. <i>Computational Biology and Chemistry</i> , 2020 , 89, 107400	3.6	7
163	EGF-mediated reduced miR-92a-1-5p controls HTR-8/SVneo cell invasion through activation of MAPK8 and FAS which in turn increase MMP-2/-9 expression. <i>Scientific Reports</i> , 2020 , 10, 12274	4.9	9
162	Obituary. <i>American Journal of Reproductive Immunology</i> , 2020 , 84, e13319	3.8	
161	HGF regulate HTR-8/SVneo trophoblastic cells migration/invasion under hypoxic conditions through increased HIF-1 α expression via MAPK and PI3K pathways. <i>Journal of Cell Communication and Signaling</i> , 2019 , 13, 503-521	5.2	16
160	Anti-HIV-1 activity and safety profile of a polyherbal gel formulation as a candidate microbicide. <i>Journal of Herbal Medicine</i> , 2019 , 17-18, 100284	2.3	
159	HGF promotes HTR-8/SVneo cell migration through activation of MAPK/PKA signaling leading to up-regulation of WNT ligands and integrins that target E-catenin. <i>Molecular and Cellular Biochemistry</i> , 2019 , 453, 11-32	4.2	7
158	Role of STAT signaling and autocrine action of chemokines during H ₂ O ₂ induced HTR-8/SVneo trophoblastic cells invasion. <i>Journal of Cellular Physiology</i> , 2019 , 234, 1380-1397	7	8
157	Preeclampsia: Disease biology and burden, its management strategies with reference to India. <i>Pregnancy Hypertension</i> , 2019 , 15, 23-31	2.6	25
156	Forskolin-mediated BeWo cell fusion involves down-regulation of miR-92a-1-5p that targets dysferlin and protein kinase cAMP-activated catalytic subunit alpha. <i>American Journal of Reproductive Immunology</i> , 2018 , 79, e12834	3.8	7
155	Decrease in invasion of HTR-8/SVneo trophoblastic cells by interferon gamma involves cross-communication of STAT1 and BATF2 that regulates the expression of JUN. <i>Cell Adhesion and Migration</i> , 2018 , 12, 432-446	3.2	7
154	The Human Egg β Zona Pellucida. <i>Current Topics in Developmental Biology</i> , 2018 , 130, 379-411	5.3	28
153	Herbal Gel Formulation Developed for Anti-Human Immunodeficiency Virus (HIV)-1 Activity Also Inhibits In Vitro HSV-2 Infection. <i>Viruses</i> , 2018 , 10,	6.2	7
152	Decrease in Expression of HOXA10 in the Decidua After Embryo Implantation Promotes Trophoblast Invasion. <i>Endocrinology</i> , 2017 , 158, 2618-2633	4.8	29

151	Relevance of Wnt10b and activation of E-catenin/GCMA/syncytin-1 pathway in BeWo cell fusion. <i>American Journal of Reproductive Immunology</i> , 2017 , 78, e12676	3.8	7
150	N-hydroxy-substituted 2-aryl acetamide analogs: A novel class of HIV-1 integrase inhibitors. <i>Chemical Biology and Drug Design</i> , 2017 , 90, 527-534	2.9	3
149	Interdependence of JAK-STAT and MAPK signaling pathways during EGF-mediated HTR-8/SVneo cell invasion. <i>PLoS ONE</i> , 2017 , 12, e0178269	3.7	18
148	Anti-HSV-2 activity of Terminalia chebula Retz extract and its constituents, chebulagic and chebulinic acids. <i>BMC Complementary and Alternative Medicine</i> , 2017 , 17, 110	4.7	51
147	Relevance of the NR4A sub-family of nuclear orphan receptors in trophoblastic BeWo cell differentiation. <i>Cellular and Molecular Biology Letters</i> , 2017 , 22, 15	8.1	3
146	Wildlife population management: are contraceptive vaccines a feasible proposition?. <i>Frontiers in Bioscience - Scholar</i> , 2017 , 9, 357-374	2.4	11
145	A simpler and more cost-effective peptide biosynthetic method using the truncated GST as carrier for epitope mapping. <i>PLoS ONE</i> , 2017 , 12, e0186097	3.7	5
144	Epitomics: IgG-epitome decoding of E6, E7 and L1 proteins from oncogenic human papillomavirus type 58. <i>Scientific Reports</i> , 2016 , 6, 34686	4.9	10
143	Influence of Aiding Buoyancy on the Suppression of Flow Separation for Power-Law Fluids Around a Circular Object. <i>Heat Transfer Engineering</i> , 2016 , 37, 1267-1279	1.7	2
142	Graphene oxide decorated with Cu(I)Br nanoparticles: a reusable catalyst for the synthesis of potent bis(indolyl)methane based anti HIV drugs. <i>RSC Advances</i> , 2016 , 6, 23008-23011	3.7	10
141	Contraceptive efficacy of recombinant fusion protein comprising zona pellucida glycoprotein-3 fragment and gonadotropin releasing hormone. <i>Journal of Reproductive Immunology</i> , 2016 , 114, 18-26	4.2	7
140	Regulation of trophoblast differentiation during embryo implantation and placentation: Implications in pregnancy complications. <i>Journal of Reproductive Health and Medicine</i> , 2016 , 2, S26-S36		2
139	Design and anti-HIV activity of arylsulphonamides as non-nucleoside reverse transcriptase inhibitors. <i>Medicinal Chemistry Research</i> , 2016 , 25, 2842-2859	2.2	13
138	Novel Sperm and Gonadotropin-releasing Hormone-based Recombinant Fusion Protein: Achievement of 100% Contraceptive Efficacy by Co-immunization of Male and Female Mice. <i>Molecular Reproduction and Development</i> , 2016 , 83, 1048-1059	2.6	7
137	Neutralization and Binding Profile of Monoclonal Antibodies Generated Against Influenza A H1N1 Viruses. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2016 , 35, 191-8	1.9	1
136	Cell Signaling Pathways Involved During Invasion and Syncytialization of Trophoblast Cells. <i>American Journal of Reproductive Immunology</i> , 2016 , 75, 361-71	3.8	100
135	Canine zona pellucida glycoprotein-3: up-scaled production, immunization strategy and its outcome on fertility. <i>Vaccine</i> , 2015 , 33, 133-40	4.1	11
134	Investigation of Mixed Convection in a Ventilated Cavity in the Presence of a Heat Conducting Circular Cylinder. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 52-74	2.3	16

133	Alpha or beta human chorionic gonadotropin knockdown decrease BeWo cell fusion by down-regulating PKA and CREB activation. <i>Scientific Reports</i> , 2015 , 5, 11210	4.9	25
132	Synthesis, biological evaluation and molecular modeling studies of new 2,3-diheteroaryl thiazolidin-4-ones as NNRTIs. <i>Chemical Biology and Drug Design</i> , 2015 , 86, 1285-91	2.9	6
131	Ovarian and oocyte targets for development of female contraceptives. <i>Expert Opinion on Therapeutic Targets</i> , 2015 , 19, 1433-46	6.4	7
130	Generation and Characterization of Monoclonal Antibodies Specific to Avian Influenza H5N1 Hemagglutinin Protein. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2015 , 34, 436-41	1.9	3
129	Chrysin rich <i>Scutellaria discolor</i> Colebr. induces cervical cancer cell death via the induction of cell cycle arrest and caspase-dependent apoptosis. <i>Life Sciences</i> , 2015 , 143, 105-13	6.8	19
128	Role of zona pellucida glycoproteins during fertilization in humans. <i>Journal of Reproductive Immunology</i> , 2015 , 108, 90-7	4.2	32
127	Evaluation of recombinant fusion protein comprising dog zona pellucida glycoprotein-3 and Izumo and individual fragments as immunogens for contraception. <i>Vaccine</i> , 2014 , 32, 564-71	4.1	12
126	Synthesis, anti-HIV activity, integrase enzyme inhibition and molecular modeling of catechol, hydroquinone and quinol labdane analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 302-7	2.9	6
125	Humanized antibody neutralizing 2009 pandemic H1N1 virus. <i>Biotechnology Journal</i> , 2014 , 9, 1594-603	5.6	6
124	STAT3 and ERK1/2 cross-talk in leukaemia inhibitory factor mediated trophoblastic JEG-3 cell invasion and expression of mucin 1 and Fos. <i>American Journal of Reproductive Immunology</i> , 2014 , 72, 65-74	3.8	22
123	Milestones in contraceptive vaccines development and hurdles in their application. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 911-25	4.4	16
122	Influence of iodothyronine conjugates of bovine serum albumin and horseradish peroxidase on enzyme immunosorbent assay of thyroid hormones. <i>Journal of Immunoassay and Immunochemistry</i> , 2014 , 35, 139-56	1.8	
121	Effect of excipients on dissolution enhancement of aceclofenac solid dispersions studied using response surface methodology: a technical note. <i>Archives of Pharmacal Research</i> , 2014 , 37, 340-51	6.1	9
120	Unraveling the intricacies of mammalian fertilization. <i>Asian Journal of Andrology</i> , 2014 , 16, 801-2	2.8	6
119	Phenyl hydrazone bearing pyrazole and pyrimidine scaffolds: design and discovery of a novel class of non-nucleoside reverse transcriptase inhibitors (NNRTIs) against HIV-1 and their antibacterial properties. <i>RSC Advances</i> , 2013 , 3, 17335	3.7	22
118	Anti-HIV-1 activity, protease inhibition and safety profile of extracts prepared from <i>Rhus parviflora</i> . <i>BMC Complementary and Alternative Medicine</i> , 2013 , 13, 158	4.7	16
117	Production of tag-free recombinant fusion protein encompassing promiscuous T cell epitope of tetanus toxoid and dog zona pellucida glycoprotein-3 for contraceptive vaccine development. <i>Molecular Biotechnology</i> , 2013 , 54, 853-62	3	8
116	Extracts from <i>Acacia catechu</i> suppress HIV-1 replication by inhibiting the activities of the viral protease and Tat. <i>Virology Journal</i> , 2013 , 10, 309	6.1	35

115	Leukemia inhibitory factor increases the invasiveness of trophoblastic cells through integrated increase in the expression of adhesion molecules and pappalysin 1 with a concomitant decrease in the expression of tissue inhibitor of matrix metalloproteinases. <i>Fertility and Sterility</i> , 2013 , 99, 533-42	4.8	29
114	Immunogenicity and contraceptive efficacy of Escherichia coli-expressed recombinant porcine zona pellucida proteins. <i>American Journal of Reproductive Immunology</i> , 2013 , 70, 139-52	3.8	14
113	LIF-STAT signaling and trophoblast biology. <i>Jak-stat</i> , 2013 , 2, e25155		33
112	Clinical use of vaginal or rectally applied microbicides in patients suffering from HIV/AIDS. <i>HIV/AIDS - Research and Palliative Care</i> , 2013 , 5, 295-307	1.2	10
111	Isolation of a high affinity neutralizing monoclonal antibody against 2009 pandemic H1N1 virus that binds at the B _{SA} Antigenic site. <i>PLoS ONE</i> , 2013 , 8, e55516	3.7	12
110	Ellagic acid & gallic acid from Lagerstroemia speciosa L. inhibit HIV-1 infection through inhibition of HIV-1 protease & reverse transcriptase activity. <i>Indian Journal of Medical Research</i> , 2013 , 137, 540-8	2.9	14
109	Differential concentration and time dependent effects of progesterone on kinase activity, hyperactivation and acrosome reaction in human spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2012 , 35, 633-44		47
108	Mapping of epitopes relevant for induction of acrosome reaction on human zona pellucida glycoprotein-4 using monoclonal antibodies. <i>American Journal of Reproductive Immunology</i> , 2012 , 68, 465-75	3.8	8
107	Mammalian zona pellucida glycoproteins: structure and function during fertilization. <i>Cell and Tissue Research</i> , 2012 , 349, 665-78	4.2	76
106	Anti-HIV activity of semisynthetic derivatives of andrographolide and computational study of HIV-1 gp120 protein binding. <i>European Journal of Medicinal Chemistry</i> , 2012 , 56, 368-74	6.8	55
105	Genetic and physiological study of morphologically abnormal human zona pellucida. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2012 , 165, 70-6	2.4	15
104	Comparative analysis of the invasion-associated genes expression pattern in first trimester trophoblastic (HTR-8/SVneo) and JEG-3 choriocarcinoma cells. <i>Placenta</i> , 2012 , 33, 874-7	3.4	32
103	Introduction of Haemophilus influenzae type b (Hib) as pentavalent(DPT-HepB-Hib) vaccine in two states of India. <i>Indian Pediatrics</i> , 2012 , 49, 707-9	1.2	23
102	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	3.7	21
101	Endometrial biology during trophoblast invasion. <i>Frontiers in Bioscience - Scholar</i> , 2012 , 4, 1151-71	2.4	15
100	Decidualized endometrial stromal cell derived factors promote trophoblast invasion. <i>Fertility and Sterility</i> , 2011 , 95, 1278-83	4.8	63
99	Sperm proteasomes degrade sperm receptor on the egg zona pellucida during mammalian fertilization. <i>PLoS ONE</i> , 2011 , 6, e17256	3.7	58
98	Leukaemia inhibitory factor mediated proliferation of HTR-8/SVneo trophoblast cells is dependent on activation of extracellular signal-regulated kinase 1/2. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 714-24	1.8	18

97	Contraceptive vaccines based on the zona pellucida glycoproteins for dogs and other wildlife population management. <i>American Journal of Reproductive Immunology</i> , 2011 , 66, 51-62	3.8	15
96	Relevance of syndecan-1 in the trophoblastic BeWo cell syncytialization. <i>American Journal of Reproductive Immunology</i> , 2011 , 66, 385-93	3.8	10
95	Acrosome reaction: relevance of zona pellucida glycoproteins. <i>Asian Journal of Andrology</i> , 2011 , 13, 97-105	3.8	36
94	Zona pellucida-based contraceptive vaccines for human and animal utility. <i>Journal of Reproductive Immunology</i> , 2011 , 88, 240-6	4.2	14
93	Introduction strategy of a second dose measles containing vaccine in India. <i>Indian Pediatrics</i> , 2011 , 48, 379-82	1.2	22
92	Rhodium(II) acetate-catalyzed stereoselective synthesis, SAR and anti-HIV activity of novel oxindoles bearing cyclopropane ring. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 1181-8	6.8	126
91	Phenotype, function, and gene expression profiles of programmed death-1(hi) CD8 T cells in healthy human adults. <i>Journal of Immunology</i> , 2011 , 186, 4200-12	5.3	168
90	Microbicides: a new hope for HIV prevention. <i>Indian Journal of Medical Research</i> , 2011 , 134, 939-49	2.9	13
89	Zona pellucida-induced acrosome reaction in human spermatozoa is potentiated by glycodelin-A via down-regulation of extracellular signal-regulated kinases and up-regulation of zona pellucida-induced calcium influx. <i>Human Reproduction</i> , 2010 , 25, 2721-33	5.7	24
88	In humans, zona pellucida glycoprotein-1 binds to spermatozoa and induces acrosomal exocytosis. <i>Human Reproduction</i> , 2010 , 25, 1643-56	5.7	43
87	Vaccines for immunological control of fertility. <i>Reproductive Medicine and Biology</i> , 2010 , 9, 61-71	4.1	11
86	ZP domain of human zona pellucida glycoprotein-1 binds to human spermatozoa and induces acrosomal exocytosis. <i>Reproductive Biology and Endocrinology</i> , 2010 , 8, 110	5	17
85	Delineation of downstream signalling components during acrosome reaction mediated by heat solubilized human zona pellucida. <i>Reproductive Biology and Endocrinology</i> , 2010 , 8, 7	5	16
84	Functional activity of human ZP3 primary sperm receptor resides toward its C-terminus. <i>Biology of Reproduction</i> , 2009 , 81, 7-15	3.9	19
83	DNA vaccine encoding chimeric protein encompassing epitopes of human ZP3 and ZP4: immunogenicity and characterization of antibodies. <i>Journal of Reproductive Immunology</i> , 2009 , 79, 137-47	4.2	10
82	Human zona pellucida glycoproteins: functional relevance during fertilization. <i>Journal of Reproductive Immunology</i> , 2009 , 83, 50-5	4.2	42
81	Bio-immunoregulatory Mechanisms Associated with Reproductive Organs: Relevance in Fertility and in Sexually Transmitted Infections. Preface. <i>Journal of Reproductive Immunology</i> , 2009 , 83, 1	4.2	2
80	Immune physiology and oogenesis in fetal and adult humans, ovarian infertility, and totipotency of adult ovarian stem cells. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2009 , 87, 64-89		19

79	Immunogenicity of zona pellucida glycoprotein-3 and spermatozoa YLP(12) peptides presented on Johnson grass mosaic virus-like particles. <i>Vaccine</i> , 2009 , 27, 2948-53	4.1	21
78	Interleukin-11 increases invasiveness of JEG-3 choriocarcinoma cells by modulating STAT3 expression. <i>Journal of Reproductive Immunology</i> , 2009 , 82, 1-11	4.2	36
77	Production of monoclonal antibodies against recombinant human zona pellucida glycoproteins: utility in immunolocalization of respective zona proteins in ovarian follicles. <i>Journal of Reproductive Immunology</i> , 2008 , 78, 102-14	4.2	21
76	Role of proteasomal activity in the induction of acrosomal exocytosis in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2008 , 16, 391-400	4	27
75	Mammalian neo-oogenesis and expression of meiosis-specific protein SCP3 in adult human and monkey ovaries. <i>Cell Cycle</i> , 2008 , 7, 683-6	4.7	28
74	Effects of native human zona pellucida glycoproteins 3 and 4 on acrosome reaction and zona pellucida binding of human spermatozoa. <i>Biology of Reproduction</i> , 2008 , 79, 869-77	3.9	66
73	Native human zona pellucida glycoproteins: purification and binding properties. <i>Human Reproduction</i> , 2008 , 23, 1385-93	5.7	40
72	Relevance of glycosylation of human zona pellucida glycoproteins for their binding to capacitated human spermatozoa and subsequent induction of acrosomal exocytosis. <i>Molecular Reproduction and Development</i> , 2008 , 75, 75-88	2.6	46
71	Bonnet monkey (<i>Macaca radiata</i>) ovaries, like human oocytes, express four zona pellucida glycoproteins. <i>Molecular Reproduction and Development</i> , 2008 , 75, 156-66	2.6	28
70	Study origin of germ cells and formation of new primary follicles in adult human and rat ovaries. <i>Methods in Molecular Biology</i> , 2008 , 450, 233-65	1.4	19
69	Higher frequency of Yq microdeletions in sperm DNA as compared to DNA isolated from blood. <i>Asian Journal of Andrology</i> , 2007 , 9, 720-2	2.8	19
68	Azoospermia factor deletions in varicocele cases with severe oligozoospermia. <i>Indian Journal of Medical Sciences</i> , 2007 , 61, 505-10		18
67	Y chromosome microdeletions in azoospermic patients with Klinefelter's syndrome. <i>Asian Journal of Andrology</i> , 2006 , 8, 81-8	2.8	56
66	DNA vaccine for rabies: relevance of the trans-membrane domain of the glycoprotein in generating an antibody response. <i>Virus Research</i> , 2005 , 113, 143-52	6.4	18
65	Efficacy of antibodies against a chimeric synthetic peptide encompassing epitopes of bonnet monkey (<i>Macaca radiata</i>) zona pellucida-1 and zona pellucida-3 glycoproteins to inhibit in vitro human sperm-egg binding. <i>Molecular Reproduction and Development</i> , 2005 , 70, 247-54	2.6	16
64	Baculovirus expressed C-terminal fragment of bonnet monkey (<i>Macaca radiata</i>) zona pellucida glycoprotein-3 inhibits ZP3-mediated induction of acrosomal exocytosis. <i>Molecular Reproduction and Development</i> , 2005 , 71, 237-44	2.6	1
63	Circulating auto-antibodies against the zona pellucida and thyroid microsomal antigen in women with premature ovarian failure. <i>Journal of Reproductive Immunology</i> , 2005 , 66, 53-67	4.2	76
62	Baculovirus-expressed recombinant human zona pellucida glycoprotein-B induces acrosomal exocytosis in capacitated spermatozoa in addition to zona pellucida glycoprotein-C. <i>Molecular Human Reproduction</i> , 2005 , 11, 365-72	4.4	49

61	Immunocontraceptive approaches in females. <i>Chemical Immunology and Allergy</i> , 2005 , 88, 98-108		2
60	Recent advances in contraceptive vaccine development: a mini-review. <i>Human Reproduction</i> , 2005 , 20, 3271-83	5.7	92
59	Update on zona pellucida glycoproteins based contraceptive vaccine. <i>Journal of Reproductive Immunology</i> , 2004 , 62, 79-89	4.2	22
58	Efficacy of antibodies against Escherichia coli expressed chimeric recombinant protein encompassing multiple epitopes of zona pellucida glycoproteins to inhibit in vitro human sperm-egg binding. <i>Molecular Reproduction and Development</i> , 2003 , 65, 309-17	2.6	17
57	Characterization of immune response in mice to plasmid DNA encoding dog zona pellucida glycoprotein-3. <i>Vaccine</i> , 2003 , 21, 1913-23	4.1	11
56	Primate recombinant zona pellucida proteins expressed in Escherichia coli bind to spermatozoa. <i>Journal of Reproductive Immunology</i> , 2002 , 53, 67-77	4.2	16
55	Native zona pellucida reactivity and in-vitro effect on human sperm-egg binding with antisera against bonnet monkey ZP1 and ZP3 synthetic peptides. <i>Journal of Reproductive Immunology</i> , 2002 , 56, 77-91	4.2	24
54	Prospect for immunocontraception using the NH2-terminal recombinant peptide of human zona pellucida protein (hZPA). <i>American Journal of Reproductive Immunology</i> , 2002 , 47, 303-10	3.8	4
53	Antibodies generated in response to plasmid DNA encoding zona pellucida glycoprotein-B inhibit in vitro human sperm-egg binding. <i>Molecular Reproduction and Development</i> , 2002 , 62, 525-33	2.6	20
52	Evaluation of the immunocontraceptive potential of Escherichia coli-expressed recombinant dog ZP2 and ZP3 in a homologous animal model. <i>Reproduction</i> , 2002 , 123, 847-857	3.8	37
51	Evaluation of the immunocontraceptive potential of Escherichia coli expressed recombinant non-human primate zona pellucida glycoproteins in homologous animal model. <i>Vaccine</i> , 2002 , 21, 78-88	4.1	22
50	Purified and refolded recombinant bonnet monkey (Macaca radiata) zona pellucida glycoprotein-B expressed in Escherichia coli binds to spermatozoa. <i>Biology of Reproduction</i> , 2001 , 64, 1147-52	3.9	30
49	Immunocontraceptive potential of recombinant bonnet monkey (Macaca radiata) zona pellucida glycoprotein-C expressed in Escherichia coli and its corresponding synthetic peptide. <i>Reproductive BioMedicine Online</i> , 2001 , 2, 33-39	4	27
48	Refolding, structural transition and spermatozoa-binding of recombinant bonnet monkey (Macaca radiata) zona pellucida glycoprotein-C expressed in Escherichia coli. <i>FEBS Journal</i> , 2000 , 267, 7075-81		22
47	Delineation of a conserved B cell epitope on bonnet monkey (Macaca radiata) and human zona pellucida glycoprotein-B by monoclonal antibodies demonstrating inhibition of sperm-egg binding. <i>Biology of Reproduction</i> , 2000 , 62, 67-75	3.9	47
46	Failure of female baboons (Papio anubis) to conceive following immunization with recombinant non-human primate zona pellucida glycoprotein-B expressed in Escherichia coli. <i>Vaccine</i> , 2000 , 18, 2970-8	4.1	30
45	High level expression in Escherichia coli and purification of immunoreactive recombinant bonnet monkey zone pellucida glycoprotein-3. <i>Process Biochemistry</i> , 1999 , 35, 451-457	4.8	11
44	Molecular Characterization of Non-Human Primate Zona Pellucida Glycoproteins 1999 , 33-44		

43	Molecular cloning and expression in Escherichia coli of cDNA encoding bonnet monkey (Macaca radiata) zona pellucida glycoprotein-ZP2. <i>Molecular Reproduction and Development</i> , 1998 , 50, 229-39	2.6	23
42	The immunology of reproduction: update 1998. <i>Trends in Immunology</i> , 1998 , 19, 433-4		2
41	Dog zona pellucida glycoprotein-3 (ZP3): expression in Escherichia coli and immunological characterization. <i>Protein Expression and Purification</i> , 1998 , 12, 331-9	2	9
40	Human zona pellucida glycoproteins: characterization using antibodies against recombinant non-human primate ZP1, ZP2 and ZP3. <i>Molecular Human Reproduction</i> , 1998 , 4, 1058-64	4.4	14
39	Hetero-oligomerization-dependent binding of pig oocyte zona pellucida glycoproteins ZPB and ZPC to boar sperm membrane vesicles. <i>Journal of Biological Chemistry</i> , 1998 , 273, 7488-94	5.4	120
38	Molecular cloning and expression in Escherichia coli of cDNA encoding bonnet monkey (Macaca radiata) zona pellucida glycoprotein 1998 , 50, 229		2
37	Sequence of complementary deoxyribonucleic acid encoding bonnet monkey (Macaca radiata) zona pellucida glycoprotein-ZP1 and its high-level expression in Escherichia coli. <i>Biology of Reproduction</i> , 1997 , 57, 532-8	3.9	32
36	Prospects of zona pellucida glycoproteins as immunogens for contraceptive vaccine. <i>Human Reproduction Update</i> , 1997 , 3, 311-24	15.8	24
35	Immunoreactivity and in-vitro effect on human sperm-egg binding of antibodies against peptides corresponding to bonnet monkey zona pellucida-3 glycoprotein. <i>Human Reproduction</i> , 1997 , 12, 2664-70	5.7	45
34	Human immunodeficiency virus type-1 p24 sequence from an Indian strain: expression in Escherichia coli and implications in diagnostics. <i>Gene</i> , 1997 , 190, 27-30	3.8	3
33	B cell responses to a peptide epitope. II: Multiple levels of selection during maturation of primary responses. <i>Immunology and Cell Biology</i> , 1997 , 75, 245-52	5	11
32	Induction of native protein reactive antibodies by immunization with peptides containing linear B-cell epitopes defined by anti-porcine ZP3 beta monoclonal antibodies. <i>Journal of Reproductive Immunology</i> , 1997 , 33, 113-25	4.2	20
31	Expression of bonnet monkey (Macaca radiata) zona pellucida-3 (ZP3) in a prokaryotic system and its immunogenicity. <i>Molecular Reproduction and Development</i> , 1997 , 47, 140-7	2.6	43
30	Mapping of epitopes on porcine zona pellucida-3 alpha by monoclonal antibodies inhibiting oocyte-sperm interaction. <i>Biology of Reproduction</i> , 1996 , 55, 410-5	3.9	17
29	Evaluation of protein-A linked monoclonal antibody latex agglutination test for diagnosis of nuclear polyhedrosis virus (BmNPV) of silkworm Bombyx mori L. <i>Journal of Immunoassay</i> , 1995 , 16, 155-66		5
28	Localization of epitopes for monoclonal antibodies at the N-terminus of the porcine zona pellucida glycoprotein pZPC. <i>Molecular Reproduction and Development</i> , 1995 , 42, 220-5	2.6	28
27	Nucleotide sequence of cDNA encoding bonnet monkey (Macaca radiata) zona pellucida glycoprotein-ZP3. <i>Reproduction, Fertility and Development</i> , 1995 , 7, 1209-12	1.8	20
26	Antibody response against three epitopic domains on human chorionic gonadotropin (hCG) in women and rodents immunized with a beta hCG-based immunocontraceptive vaccine. <i>Journal of Clinical Immunology</i> , 1994 , 14, 162-8	5.7	9

25	IgG subclass distribution of anti-hCG and anti-diphtheria toxoid antibodies in women immunized with a beta-hCG based immunocontraceptive vaccine. <i>Journal of Reproductive Immunology</i> , 1994 , 26, 65-72	4.2	3
24	Immunoreactivity with native zona pellucida of antibodies against a 19 amino acid synthetic peptide corresponding to human ZP3. <i>Journal of Reproductive Immunology</i> , 1994 , 27, 241-7	4.2	4
23	Colloidal Textile Dye-Based Dipstick Immunoassay for the Detection of Nuclear Polyhedrosis Virus (BmNPV) of Silkworm, Bombyx mori L.. <i>Journal of Invertebrate Pathology</i> , 1994 , 63, 135-139	2.6	7
22	Development of Monoclonal Antibody-Based Sandwich ELISA for the Detection of Nuclear Polyhedra of Nuclear Polyhedrosis Virus Infection in Bombyx mori L.. <i>Journal of Invertebrate Pathology</i> , 1994 , 63, 151-156	2.6	6
21	Somatic mutation of immunoglobulin lambda chains: a segment of the major intron hypermutates as much as the complementarity-determining regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 12614-8	11.5	66
20	Detection of antigens of Mycobacterium tuberculosis in patients of infertility by monoclonal antibody based sandwiched enzyme linked immunosorbent assay (ELISA). <i>Tubercle and Lung Disease</i> , 1993 , 74, 200-3		9
19	Delineation of epitopes on porcine zona pellucida relevant for binding of sperm to oocyte using monoclonal antibodies. <i>Journal of Reproductive Immunology</i> , 1993 , 23, 265-79	4.2	22
18	Antibody response against epitopes on hCG mapped by monoclonal antibodies in women immunized with an anti-hCG vaccine and its implications for bionutralization. <i>Journal of Reproductive Immunology</i> , 1993 , 25, 103-17	4.2	10
17	Block in porcine gamete interaction by polyclonal antibodies to a pig ZP3 beta fragment having partial sequence homology to human ZP3. <i>Journal of Reproductive Immunology</i> , 1993 , 25, 277-83	4.2	23
16	Diagnostics for the tropical countries. <i>Journal of Immunological Methods</i> , 1992 , 150, 121-32	2.5	3
15	Preliminary studies on the indium slide immunoassay for estimation of human chorionic gonadotropin and antihuman chorionic gonadotropin antibody. <i>Experimental Biology and Medicine</i> , 1991 , 196, 106-9	3.7	
14	Sperm preparation affects reactivity of monoclonal antibodies. <i>Journal of Reproductive Immunology</i> , 1990 , 18, 187-97	4.2	4
13	Production and characterization of a monoclonal antibody (P6) reactive to Mycobacterium tuberculosis. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1990 , 273, 545-54		4
12	Autoimmunity to sperm antigens. <i>Current Opinion in Immunology</i> , 1989 , 2, 757-60	7.8	4
11	Production of large amounts of mouse polyclonal antisera. <i>Journal of Immunological Methods</i> , 1988 , 115, 195-8	2.5	18
10	Seminal plasma antigens detected by immunoblotting with human sera from vasectomized males. <i>Journal of Reproductive Immunology</i> , 1988 , 12, 263-76	4.2	4
9	Effect of in vivo treatment with anti-idiotypic on the immune response to anti-human chorionic gonadotropin. <i>Annales De L'Institut Pasteur Immunologie</i> , 1988 , 139, 701-8		1
8	Monoclonal antibodies based sandwich erythro-immunoassay and R1otRenzyme immunoassay for human chorionic gonadotropin in urine. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1986 , 46, 751-9	2	1

7	Bioeffective monoclonal antibody against the decapeptide gonadotropin-releasing hormone: reacting determinant and action on ovulation and estrus suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 1228-31	11.5	28
6	Pregnancy interfering action of LHRH and anti-LHRH. <i>The Journal of Steroid Biochemistry</i> , 1985 , 23, 803-6		11
5	Solid-phase competitive and sandwich-type erythro-immunoassays for human chorionic gonadotropin. <i>Journal of Immunological Methods</i> , 1985 , 80, 177-87	2.5	14
4	Solid-phase sandwich enzyme immunoassays of human chorionic gonadotropin using monoclonal antibodies. <i>Journal of Immunological Methods</i> , 1985 , 83, 159-68	2.5	19
3	Clinical applications of monoclonal antibodies. <i>Indian Journal of Pediatrics</i> , 1984 , 51, 689-701	3	
2	Properties and characteristics of an anti-human chorionic gonadotropin monoclonal antibody. <i>Journal of Biosciences</i> , 1982 , 4, 105-113	2.3	13
1	The genetically engineered vaccine against human chorionic gonadotropin enters Phase I/II clinical trials faces a problem, its possible resolution ^{3, 2}		