

Satish K. Gupta

List of Publications by Year in descending order

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173
papers

4,462
citations

117625

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55
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175
all docs

175
docs citations

175
times ranked

4572
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotype, Function, and Gene Expression Profiles of Programmed Death-1hi CD8 T Cells in Healthy Human Adults. <i>Journal of Immunology</i> , 2011, 186, 4200-4212.	0.8	211
2	Cell Signaling Pathways Involved During Invasion and Syncytialization of Trophoblast Cells. <i>American Journal of Reproductive Immunology</i> , 2016, 75, 361-371.	1.2	169
3	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, 1181-1188.	5.5	142
4	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, 7488-7494.	3.4	134
5	Recent advances in contraceptive vaccine development: a mini-review. <i>Human Reproduction</i> , 2005, 20, 3271-3283.	0.9	106
6	Mammalian zona pellucida glycoproteins: structure and function during fertilization. <i>Cell and Tissue Research</i> , 2012, 349, 665-678.	2.9	99
7	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.	1.9	97
8	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, 869-877.	2.7	77
9	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.	3.7	76
10	Decidualized endometrial stromal cell derived factors promote trophoblast invasion. <i>Fertility and Sterility</i> , 2011, 95, 1278-1283.	1.0	75
11	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, 12614-12618.	7.1	71
12	Sperm Proteasomes Degrade Sperm Receptor on the Egg Zona Pellucida during Mammalian Fertilization. <i>PLoS ONE</i> , 2011, 6, e17256.	2.5	71
13	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, 368-374.	5.5	71
14	LIF-STAT signaling and trophoblast biology. <i>Jak-stat</i> , 2013, 2, e25155.	2.2	60
15	Y chromosome microdeletions in azoospermic patients with Klinefelter's syndrome. <i>Asian Journal of Andrology</i> , 2006, 8, 81-88.	1.6	59
16	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.	2.0	56
17	Human zona pellucida glycoproteins: functional relevance during fertilization. <i>Journal of Reproductive Immunology</i> , 2009, 83, 50-55.	1.9	56
18	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, 633-644.	3.6	55

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19	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, 365-372.	2.8	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	The Human Egg's Zona Pellucida. <i>Current Topics in Developmental Biology</i> , 2018, 130, 379-411.	2.2	53
22	Delineation of a Conserved B Cell Epitope on Bonnet Monkey (<i>Macaca radiata</i>) and Human Zona Pellucida Glycoprotein-B by Monoclonal Antibodies Demonstrating Inhibition of Sperm-Egg Binding ¹ . <i>Biology of Reproduction</i> , 2000, 62, 67-75.	2.7	51
23	Preeclampsia: Disease biology and burden, its management strategies with reference to India. <i>Pregnancy Hypertension</i> , 2019, 15, 23-31.	1.4	51
24	In humans, zona pellucida glycoprotein-1 binds to spermatozoa and induces acrosomal exocytosis. <i>Human Reproduction</i> , 2010, 25, 1643-1656.	0.9	50
25	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, 2664-2670.	0.9	49
26	Acrosome reaction: relevance of zona pellucida glycoproteins. <i>Asian Journal of Andrology</i> , 2011, 13, 97-105.	1.6	48
27	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.	3.4	46
28	Role of zona pellucida glycoproteins during fertilization in humans. <i>Journal of Reproductive Immunology</i> , 2015, 108, 90-97.	1.9	46
29	Expression of bonnet monkey (<i>Macaca radiata</i>) zona pellucida-3 (ZP3) in a prokaryotic system and its immunogenicity. <i>Molecular Reproduction and Development</i> , 1997, 47, 140-147.	2.0	45
30	Native human zona pellucida glycoproteins: purification and binding properties. <i>Human Reproduction</i> , 2008, 23, 1385-1393.	0.9	45
31	Evaluation of the immunocontraceptive potential of <i>Escherichia coli</i> -expressed recombinant dog ZP2 and ZP3 in a homologous animal model. <i>Reproduction</i> , 2002, 123, 847-857.	2.6	42
32	Failure of female baboons (<i>Papio anubis</i>) to conceive following immunization with recombinant non-human primate zona pellucida glycoprotein-B expressed in <i>Escherichia coli</i> . <i>Vaccine</i> , 2000, 18, 2970-2978.	3.8	39
33	Interleukin-11 increases invasiveness of JEG-3 choriocarcinoma cells by modulating STAT3 expression. <i>Journal of Reproductive Immunology</i> , 2009, 82, 1-11.	1.9	39
34	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, 874-877.	1.5	38
35	Mammalian neo-oogenesis and expression of meiosis-specific protein SCP3 in adult human and monkey ovaries. <i>Cell Cycle</i> , 2008, 7, 683-686.	2.6	34
36	Sequence of Complementary Deoxyribonucleic Acid Encoding Bonnet Monkey (<i>Macaca radiata</i>) Zona Pellucida Glycoprotein-ZP1 and Its High-Level Expression in <i>Escherichia coli</i> 1. <i>Biology of Reproduction</i> , 1997, 57, 532-538.	2.7	33

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37	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, 533-542.e2.	1.0	33
38	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.	2.1	33
39	Prospects of zona pellucida glycoproteins as immunogens for contraceptive vaccine. <i>Human Reproduction Update</i> , 1997, 3, 311-324.	10.8	32
40	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.	3.3	32
41	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, 1228-1231.	7.1	31
42	Interdependence of JAK-STAT and MAPK signaling pathways during EGF-mediated HTR-8/SVneo cell invasion. <i>PLoS ONE</i> , 2017, 12, e0178269.	2.5	31
43	Immunocontraceptive potential of recombinant bonnet monkey (<i>Macaca radiata</i>) zona pellucida glycoprotein-C expressed in <i>Escherichia coli</i> and its corresponding synthetic peptide. <i>Reproductive BioMedicine Online</i> , 2001, 2, 33-39.	2.4	30
44	Purified and Refolded Recombinant Bonnet Monkey (<i>Macaca radiata</i>) Zona Pellucida Glycoprotein-B Expressed in <i>Escherichia coli</i> Binds to Spermatozoa1. <i>Biology of Reproduction</i> , 2001, 64, 1147-1152.	2.7	30
45	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, 233-265.	0.9	30
46	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, 220-225.	2.0	29
47	Bonnet monkey (<i>Macaca radiata</i>) ovaries, like human oocytes, express four zona pellucida glycoproteins. <i>Molecular Reproduction and Development</i> , 2008, 75, 156-166.	2.0	29
48	Role of proteasomal activity in the induction of acrosomal exocytosis in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2008, 16, 391-400.	2.4	29
49	Introduction of Haemophilus Influenzae type b (Hib) as pentavalent (DPT-HepB-Hib) vaccine in two states of India. <i>Indian Pediatrics</i> , 2012, 49, 707-709.	0.4	28
50	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.	3.6	28
51	Update on zona pellucida glycoproteins based contraceptive vaccine. <i>Journal of Reproductive Immunology</i> , 2004, 62, 79-89.	1.9	27
52	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.	1.2	27
53	Zona pellucida-induced acrosome reaction in human spermatozoa is potentiated by glycodeclin-A via down-regulation of extracellular signal-regulated kinases and up-regulation of zona pellucida-induced calcium influx. <i>Human Reproduction</i> , 2010, 25, 2721-2733.	0.9	26
54	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

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55	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.	3.7	26
56	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, 265-279.	1.9	25
57	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.	3.8	25
58	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.	1.9	25
59	Introduction strategy of a second dose measles containing vaccine in India. <i>Indian Pediatrics</i> , 2011, 48, 379-382.	0.4	25
60	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, 105-113.	4.3	25
61	Block in porcine gamete interaction by polyclonal antibodies to a pig ZP3 ¹² fragment having partial sequence homology to human ZP3. <i>Journal of Reproductive Immunology</i> , 1993, 25, 277-283.	1.9	24
62	Molecular cloning and expression in Escherichia coli of cDNA encoding bonnet monkey (Macaca Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.0	24
63	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, 102-114.	1.9	24
64	Immunogenicity of zona pellucida glycoprotein-3 and spermatozoa YLP12 peptides presented on Johnson grass mosaic virus-like particles. <i>Vaccine</i> , 2009, 27, 2948-2953.	3.8	24
65	Nucleotide sequence of cDNA encoding bonnet monkey (Macaca radiata) zona pellucida glycoprotein-ZP3. <i>Reproduction, Fertility and Development</i> , 1995, 7, 1209.	0.4	24
66	Refolding, structural transition and spermatozoa-binding of recombinant bonnet monkey (Macaca Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.2	23
67	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.	3.6	23
68	Solid-phase sandwich enzyme immunoassays of human chorionic gonadotropin using monoclonal antibodies. <i>Journal of Immunological Methods</i> , 1985, 83, 159-168.	1.4	22
69	Production of large amounts of mouse polyclonal antisera. <i>Journal of Immunological Methods</i> , 1988, 115, 195-198.	1.4	22
70	DNA vaccine for rabies: Relevance of the trans-membrane domain of the glycoprotein in generating an antibody response. <i>Virus Research</i> , 2005, 113, 143-152.	2.2	22
71	Higher frequency of Yq microdeletions in sperm DNA as compared to DNA isolated from blood. <i>Asian Journal of Andrology</i> , 2007, 9, 720-722.	1.6	22
72	Functional Activity of Human ZP3 Primary Sperm Receptor Resides Toward Its C-Terminus1. <i>Biology of Reproduction</i> , 2009, 81, 7-15.	2.7	22

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73	'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.	3.3	22
74	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.	3.7	22
75	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.	3.4	22
76	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.	2.3	22
77	Induction of native protein reactive antibodies by immunization with peptides containing linear B-cell epitopes defined by anti-porcine ZP3 β monoclonal antibodies. <i>Journal of Reproductive Immunology</i> , 1997, 33, 113-125.	1.9	21
78	Azoospermia factor deletions in varicocele cases with severe oligozoospermia. <i>Indian Journal of Medical Sciences</i> , 2007, 61, 505.	0.1	21
79	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, 525-533.	2.0	20
80	Mapping of Epitopes on Porcine Zona Pellucida-3 β by Monoclonal Antibodies Inhibiting Oocyte-Sperm Interaction1. <i>Biology of Reproduction</i> , 1996, 55, 410-415.	2.7	19
81	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.	0.4	19
82	Efficacy of antibodies against <i>Escherichia coli</i> 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, 309-317.	2.0	18
83	Genetic and physiological study of morphologically abnormal human zona pellucida. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2012, 165, 70-76.	1.1	18
84	Milestones in contraceptive vaccines development and hurdles in their application. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 911-925.	3.3	18
85	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.	2.7	18
86	Solid-phase competitive and sandwich-type erythro-immunoassays for human chorionic gonadotropin. <i>Journal of Immunological Methods</i> , 1985, 80, 177-187.	1.4	17
87	Primate recombinant zona pellucida proteins expressed in <i>Escherichia coli</i> bind to spermatozoa. <i>Journal of Reproductive Immunology</i> , 2002, 53, 67-77.	1.9	17
88	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, 247-254.	2.0	17
89	Delineation of downstream signalling components during acrosome reaction mediated by heat solubilized human zona pellucida. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 7.	3.3	17
90	Endometrial biology during trophoblast invasion. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 1151-1171.	2.1	17

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91	Ellagic acid & gallic acid from Lagerstroemia speciosa L. inhibit HIV-1 infection through inhibition of HIV-1 protease & reverse transcriptase activity. Indian Journal of Medical Research, 2013, 137, 540-8.	1.0	17
92	Detection of antigens of Mycobacterium tuberculosis in patients of infertility by monoclonal antibody based sandwiched enzyme linked immunosorbent assay (ELISA). Tubercle and Lung Disease, 1993, 74, 200-203.	2.1	16
93	Human zona pellucida glycoproteins: characterization using antibodies against recombinant non-human primate ZP1, ZP2 and ZP3. Molecular Human Reproduction, 1998, 4, 1058-1064.	2.8	16
94	Contraceptive Vaccines Based on the Zona Pellucida Glycoproteins for Dogs and Other Wildlife Population Management. American Journal of Reproductive Immunology, 2011, 66, 51-62.	1.2	16
95	Zona pellucida-based contraceptive vaccines for human and animal utility. Journal of Reproductive Immunology, 2011, 88, 240-246.	1.9	16
96	Evaluation of recombinant fusion protein comprising dog zona pellucida glycoprotein-3 and Izumo and individual fragments as immunogens for contraception. Vaccine, 2014, 32, 564-571.	3.8	16
97	Design and anti-HIV activity of arylsulphonamides as non-nucleoside reverse transcriptase inhibitors. Medicinal Chemistry Research, 2016, 25, 2842-2859.	2.4	16
98	Graphene oxide decorated with Cu(<i>Br</i>) nanoparticles: a reusable catalyst for the synthesis of potent bis(indolyl)methane based anti HIV drugs. RSC Advances, 2016, 6, 23008-23011.	3.6	16
99	Vaccines for immunological control of fertility. Reproductive Medicine and Biology, 2010, 9, 61-71.	2.4	15
100	Immunogenicity and Contraceptive Efficacy of <i>Escherichia coli</i> -Expressed Recombinant Porcine Zona Pellucida Proteins. American Journal of Reproductive Immunology, 2013, 70, 139-152.	1.2	15
101	Properties and characteristics of an anti-human chorionic gonadotropin monoclonal antibody. Journal of Biosciences, 1982, 4, 105-113.	1.1	14
102	Epitomics: IgG-epitome decoding of E6, E7 and L1 proteins from oncogenic human papillomavirus type 58. Scientific Reports, 2016, 6, 34686.	3.3	14
103	Wildlife population management are contraceptive vaccines a feasible proposition. Frontiers in Bioscience - Scholar, 2017, 9, 357-374.	2.1	14
104	Microbicides: A new hope for HIV prevention. Indian Journal of Medical Research, 2011, 134, 939.	1.0	14
105	Pregnancy interfering action of LHRH and anti-LHRH. The Journal of Steroid Biochemistry, 1985, 23, 803-806.	1.1	13
106	Relevance of Syndecan-1 in the Trophoblastic BeWo Cell Syncytialization. American Journal of Reproductive Immunology, 2011, 66, 385-393.	1.2	13
107	Isolation of a High Affinity Neutralizing Monoclonal Antibody against 2009 Pandemic H1N1 Virus That Binds at the <i>Sa</i> TM Antigenic Site. PLoS ONE, 2013, 8, e55516.	2.5	13
108	Forskolin-mediated BeWo cell fusion involves down-regulation of miR-92a-1-5p that targets dysferlin and protein kinase <i>cAMP</i> -activated catalytic subunit alpha. American Journal of Reproductive Immunology, 2018, 79, e12834.	1.2	13

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109	HGF promotes HTR-8/SVneo cell migration through activation of MAPK/PKA signaling leading to up-regulation of WNT ligands and integrins that target β -catenin. <i>Molecular and Cellular Biochemistry</i> , 2019, 453, 11-32.	3.1	13
110	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, 103-117.	1.9	12
111	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, 245-252.	2.3	12
112	Dog Zona Pellucida Glycoprotein-3 (ZP3): Expression in <i>Escherichia coli</i> and Immunological Characterization. <i>Protein Expression and Purification</i> , 1998, 12, 331-339.	1.3	12
113	Characterization of immune response in mice to plasmid DNA encoding dog zona pellucida glycoprotein-3. <i>Vaccine</i> , 2003, 21, 1913-1923.	3.8	12
114	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, 340-351.	6.3	12
115	Canine zona pellucida glycoprotein-3: Up-scaled production, immunization strategy and its outcome on fertility. <i>Vaccine</i> , 2015, 33, 133-140.	3.8	12
116	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.	1.9	12
117	Herbal Gel Formulation Developed for Anti-Human Immunodeficiency Virus (HIV)-1 Activity Also Inhibits In Vitro HSV-2 Infection. <i>Viruses</i> , 2018, 10, 580.	3.3	12
118	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.	4.1	12
119	Antibody response against three epitopic domains on human chorionic gonadotropin (hCG) in women and rodents immunized with a hCG-based immunocontraceptive vaccine. <i>Journal of Clinical Immunology</i> , 1994, 14, 162-168.	3.8	11
120	High level expression in <i>Escherichia coli</i> and purification of immunoreactive recombinant bonnet monkey zona pellucida glycoprotein-3. <i>Process Biochemistry</i> , 1999, 35, 451-457.	3.7	11
121	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, 137-147.	1.9	11
122	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, 853-862.	2.4	11
123	Relevance of Wnt10b and activation of β -catenin/GCM/syncytin-1 pathway in BeWo cell fusion. <i>American Journal of Reproductive Immunology</i> , 2017, 78, e12676.	1.2	11
124	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.	0.8	10
125	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.	2.0	10
126	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.	7.0	10

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127	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.	3.3	10
128	Mapping of Epitopes Relevant for Induction of Acrosome Reaction on Human Zona Pellucida Glycoproteinâ€4 Using Monoclonal Antibodies. <i>American Journal of Reproductive Immunology</i> , 2012, 68, 465-475.	1.2	9
129	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.	2.5	9
130	Unraveling the intricacies of mammalian fertilization. <i>Asian Journal of Andrology</i> , 2014, 16, 801.	1.6	9
131	Autoimmunity to sperm antigens. <i>Current Opinion in Immunology</i> , 1990, 2, 757-760.	5.5	8
132	Humanized antibody neutralizing 2009 pandemic H1N1 virus. <i>Biotechnology Journal</i> , 2014, 9, 1594-1603.	3.5	8
133	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, 1-15.	2.7	8
134	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, 241-247.	1.9	7
135	Colloidal Textile Dye-Based Dipstick Immunoassay for the Detection of Nuclear Polyhedrosis Virus (BmNPV) of Silkworm, <i>Bombyx mori</i> L.. <i>Journal of Invertebrate Pathology</i> , 1994, 63, 135-139.	3.2	7
136	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, 302-307.	2.2	7
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