

Maria Jimenez-Movilla

List of Publications by Year in descending order

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33
papers

956
citations

567144

15
h-index

454834

30
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37
all docs

37
docs citations

37
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Ovastacin, a cortical granule protease, cleaves ZP2 in the zona pellucida to prevent polyspermy. <i>Journal of Cell Biology</i> , 2012, 197, 37-44.	2.3	241
2	TMEM95 is a sperm membrane protein essential for mammalian fertilization. <i>ELife</i> , 2020, 9, .	2.8	75
3	Role of sialic acid in bovine spermâ€™zona pellucida binding. <i>Molecular Reproduction and Development</i> , 2007, 74, 617-628.	1.0	61
4	FIGLA, a Basic Helix-Loop-Helix Transcription Factor, Balances Sexually Dimorphic Gene Expression in Postnatal Oocytes. <i>Molecular and Cellular Biology</i> , 2010, 30, 3661-3671.	1.1	55
5	Hamster Zona Pellucida Is Formed by Four Glycoproteins: ZP1, ZP2, ZP3, and ZP4. <i>Journal of Proteome Research</i> , 2009, 8, 926-941.	1.8	53
6	Carbohydrate analysis of the zona pellucida and cortical granules of human oocytes by means of ultrastructural cytochemistry. <i>Human Reproduction</i> , 2004, 19, 1842-1855.	0.4	52
7	Disruption of Ttl5/Stamp Gene (Tubulin Tyrosine Ligase-like Protein 5/SRC-1 and TIF2-associated) Tj ETQq1 1 0.784314 rgBT /Overloc <i>Biological Chemistry</i> , 2013, 288, 15167-15180.	1.6	48
8	ZP2 and ZP3 cytoplasmic tails prevent premature interactions and ensure incorporation into the zona pellucida. <i>Journal of Cell Science</i> , 2011, 124, 940-950.	1.2	46
9	Oocytes use the plasminogen-plasmin system to remove supernumerary spermatozoa. <i>Human Reproduction</i> , 2012, 27, 1985-1993.	0.4	41
10	ZP2 peptide beads select human sperm in vitro, decoy mouse sperm in vivo, and provide reversible contraception. <i>Science Translational Medicine</i> , 2016, 8, 336ra60.	5.8	39
11	ZP2 and ZP3 Traffic Independently within Oocytes prior to Assembly into the Extracellular Zona Pellucida. <i>Molecular and Cellular Biology</i> , 2006, 26, 7991-7998.	1.1	36
12	The C-terminal region of OVGP1 remodels the zona pellucida and modifies fertility parameters. <i>Scientific Reports</i> , 2016, 6, 32556.	1.6	29
13	The chemical toxic benzo[<i>a</i>]pyrene perturbs the physical organization of phosphatidylcholine membranes. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 787-793.	2.2	19
14	Effects of recombinant OVGP1 protein on <i>in vitro</i> bovine embryo development. <i>Journal of Reproduction and Development</i> , 2018, 64, 433-443.	0.5	19
15	Anchoring cortical granules in the cortex ensures trafficking to the plasma membrane for post-fertilization exocytosis. <i>Nature Communications</i> , 2019, 10, 2271.	5.8	19
16	New Insights into the Mammalian Egg Zona Pellucida. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3276.	1.8	19
17	Cytoplasmic cleavage of DPPA3 is required for intracellular trafficking and cleavage-stage development in mice. <i>Nature Communications</i> , 2017, 8, 1643.	5.8	16
18	A Comparative View on the Oviductal Environment during the Periconception Period. <i>Biomolecules</i> , 2020, 10, 1690.	1.8	15

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19	Figla-Cre Transgenic Mice Expressing Myristoylated EGFP in Germ Cells Provide a Model for Investigating Perinatal Oocyte Dynamics. PLoS ONE, 2014, 9, e84477.	1.1	12
20	Calreticulin from subolemmal vesicles affects membrane regulation of polyspermy. Reproduction, 2014, 147, 369-378.	1.1	10
21	Cytochemical and biochemical evidences for a complex tridimensional structure of the hamster zona pellucida. Histology and Histopathology, 2009, 24, 599-609.	0.5	10
22	JUNO protein coated beads: A potential tool to predict bovine sperm fertilizing ability. Theriogenology, 2020, 155, 168-175.	0.9	8
23	The use of a virtual journal club to promote cross-cultural learning in the reproductive sciences. Journal of Assisted Reproduction and Genetics, 2018, 35, 2141-2147.	1.2	7
24	Mammalian spermatozoa and cumulus cells bind to a 3D model generated by recombinant zona pellucida protein-coated beads. Scientific Reports, 2019, 9, 17989.	1.6	7
25	Assessment and preservation of liquid and frozen-thawed Black crested mangabey (Lophocebus) Tj ETQq1 1 0.784314 rgBT /Overlock glands and electroejaculation. Animal Reproduction Science, 2019, 210, 106176.	0.5	5
26	Comparative Study of Semen Parameters and Hormone Profile in Small-Spotted Catshark (Scyliorhinus) Tj ETQq0 0.0 rgBT /Overlock	1.0	5
27	Sperm Binding Assay Using an In Vitro 3D Model of the Mammalian Cumulus-Oocyte Complex. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2020, 86, e100.	1.1	2
28	Sperm binding to ZP2-coated beads improve the efficiency of porcine in vitro fertilisation. Reproduction, 2020, 160, 725-735.	1.1	2
29	Oolemma Receptors in Mammalian Molecular Fertilization: Function and New Methods of Study. Frontiers in Cell and Developmental Biology, 2021, 9, 662032.	1.8	1
30	Broadening the educational pipeline: the global landscape of master of science programs in reproductive science and medicine. Biology of Reproduction, 0, , .	1.2	1
31	Cumulus-oocyte complexes-like 3D models to study gamete interaction in porcine species.. Theriogenology, 2019, 137, 133.	0.9	0
32	Detection of SPAM1 in the bovine oviductal fluid. Reproduction Abstracts, 0, , .	0.0	0
33	Deletion of the C-terminal region of OVGP1 affects porcine IVF. Reproduction Abstracts, 0, , .	0.0	0