## Raúl SÃ;nchez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Seminal plasma, and not sperm, induces time and concentrationâ€dependent neutrophil extracellular trap release in donkeys. Equine Veterinary Journal, 2022, 54, 415-426.	0.9	12
2	Autophagy is activated in human spermatozoa subjected to oxidative stress and its inhibition impairs sperm quality and promotes cell death. Human Reproduction, 2022, 37, 680-695.	0.4	8
3	Adverse Effects of Single Neutrophil Extracellular Trap-Derived Components on Bovine Sperm Function. Animals, 2022, 12, 1308.	1.0	5
4	Antioxidants and their effect on the oxidative/nitrosative stress of frozen-thawed boar sperm. Cryobiology, 2021, 98, 5-11.	0.3	16
5	SOCE-inhibitor reduced human sperm-induced formation of neutrophil extracellular traps. Reproduction, 2021, 161, 21-29.	1.1	9
6	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. Research in Veterinary Science, 2021, 136, 143-150.	0.9	15
7	Increase of leucocyte-derived extracellular traps (ETs) in semen samples from human acute epididymitis patients—a pilot study. Journal of Assisted Reproduction and Genetics, 2020, 37, 2223-2231.	1.2	14
8	Dynamic assessment of human sperm DNA damage III: the effect of sperm freezing techniques. Cell and Tissue Banking, 2020, 22, 379-387.	0.5	4
9	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. Cryobiology, 2020, 97, 5-11.	0.3	13
10	Protective effect of the superoxide dismutase mimetic MnTBAP during sperm vitrification process. Andrologia, 2020, 52, e13665.	1.0	3
11	Multiparameter Flow Cytometry Assay for Analysis of Nitrosative Stress Status in Human Spermatozoa. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 1238-1247.	1.1	9
12	Antioxidant effects of penicillamine against in vitroâ€induced oxidative stress in human spermatozoa. Andrologia, 2020, 52, e13553.	1.0	8
13	Human sperm vitrification: A scientific report. Andrology, 2020, 8, 1642-1650.	1.9	29
14	Conventional freezing vs. cryoprotectant-free vitrification of epididymal (MESA) and testicular (TESE) spermatozoa: Three live births. Cryobiology, 2019, 90, 100-102.	0.3	19
15	Determination of leucocyte extracellular traps (ETs) in seminal fluid (ex vivo ) in infertile patients—A pilot study. Andrologia, 2019, 51, e13356.	1.0	13
16	Technologies for Cryoprotectant-Free Vitrification of Human Spermatozoa: Asepticity as aÂCriterion for Effectiveness. , 2019, , 643-654.		0
17	Monocyte-derived extracellular trap (MET) formation induces aggregation and affects motility of human spermatozoa in vitro. Systems Biology in Reproductive Medicine, 2019, 65, 357-366.	1.0	21
18	Positive effect of butylated hydroxytoluene (BHT) on the quality of cryopreserved cat spermatozoa. Cryobiology, 2019, 89, 76-81.	0.3	7

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19	Cryoprotectant-free vitrification of spermatozoa: Fish as a model of human. Andrologia, 2019, 51, e13166.	1.0	8
20	Changes in sperm function and structure after freezing in domestic cat spermatozoa. Andrologia, 2018, 50, e13080.	1.0	12
21	Nitrosative stress in human spermatozoa causes cell death characterized by induction of mitochondrial permeability transition-driven necrosis. Asian Journal of Andrology, 2018, 20, 600.	0.8	18
22	Chapter 6 Technology of Aseptic Cryoprotectant-Free Vitrification of Human ICSI Spermatozoa. Methods in Molecular Biology, 2017, 1568, 79-84.	0.4	4
23	Effect of incubation temperature after devitrification on quality parameters in human sperm cells. Cryobiology, 2017, 79, 78-81.	0.3	9
24	Melatonin Scavenger Properties against Oxidative and Nitrosative Stress: Impact on Gamete Handling and In Vitro Embryo Production in Humans and Other Mammals. International Journal of Molecular Sciences, 2017, 18, 1119.	1.8	57
25	Effect of anisomycin, a protein synthesis inhibitor, on the <i>in vitro</i> developmental potential, ploidy and embryo quality of bovine ICSI embryos. Zygote, 2016, 24, 724-732.	0.5	14
26	Thiol oxidation by nitrosative stress: Cellular localization in human spermatozoa. Systems Biology in Reproductive Medicine, 2016, 62, 325-334.	1.0	13
27	Improved preimplantation development of bovine ICSI embryos generated with spermatozoa pretreated with membrane-destabilizing agents lysolecithin and Triton X-100. Theriogenology, 2016, 86, 1489-1497.	0.9	15
28	Leukocytes coincubated with human sperm trigger classic neutrophil extracellular traps formation, reducing sperm motility. Fertility and Sterility, 2016, 106, 1053-1060.e1.	0.5	51
29	Modulación del Estado de Óxido-Reducción por Peróxido de Hidrógeno en la Etapa de Maduración Ovocitaria: Efecto sobre el Desarrollo Embrionario en Bovinos. International Journal of Morphology, 2016, 34, 431-435.	0.1	3
30	Intracytoplasmic sperm injection affects embryo developmental potential and gene expression in cattle. Reproductive Biology, 2015, 15, 34-41.	0.9	24
31	Addition of superoxide dismutase mimics during cooling process prevents oxidative stress and improves semen quality parameters in frozen/thawed ram spermatozoa. Theriogenology, 2014, 82, 884-889.	0.9	28
32	Effect of the addition of two superoxide dismutase analogues (Tempo and Tempol) to alpaca semen extender for cryopreservation. Theriogenology, 2013, 79, 842-846.	0.9	32
33	Vitrificación de espermatozoides: una alternativa a la inyección intracitoplasmática de espermatozoides en paciente con oligoastenozoospermia severa. Revista Internacional De AndrologÃa, 2013, 11, 36-39.	0.1	2
34	Live Birth After Intrauterine Insemination With Spermatozoa From an Oligoasthenozoospermic Patient Vitrified Without Permeable Cryoprotectants. Journal of Andrology, 2012, 33, 559-562.	2.0	54
35	Human spermatozoa vitrified in the absence of permeable cryoprotectants: birth of two healthy babies. Reproduction, Fertility and Development, 2012, 24, 323.	0.1	62
36	Novel Approaches to the Cryopreservation of Human Spermatozoa: History and Development of the Spermatozoa Vitrification Technology. Journal of Reproductive and Stem Cell Biotechnology, 2011, 2, 128-145.	0.1	7

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37	Human sperm chemotaxis depends on critical levels of reactive oxygen species. Fertility and Sterility, 2010, 93, 150-153.	0.5	22
38	Effect of Escherichia coli and its soluble factors on mitochondrial membrane potential, phosphatidylserine translocation, viability, and motility of human spermatozoa. Fertility and Sterility, 2010, 94, 619-623.	0.5	79
39	Progesterone sperm chemoattraction may be modulated by its corticosteroid-binding globulin carrier protein. Fertility and Sterility, 2010, 93, 2450-2452.	0.5	16
40	Molecular Mechanism for Human Sperm Chemotaxis Mediated by Progesterone. PLoS ONE, 2009, 4, e8211.	1.1	131
41	Progesterone at the picomolar range is a chemoattractant for mammalian spermatozoa. Fertility and Sterility, 2006, 86, 745-749.	0.5	168
42	Effects on the quality of frozen-thawed alpaca (Lama pacos) semen using two different cryoprotectants and extenders. Asian Journal of Andrology, 2005, 7, 303-309.	0.8	51
43	Influence of reactive oxygen species produced by activated leukocytes at the level of apoptosis in mature human spermatozoa. Fertility and Sterility, 2005, 83, 808-810.	0.5	40
44	Lack of species-specificity in mammalian sperm chemotaxis. Developmental Biology, 2003, 255, 423-427.	0.9	40