

# Raúl Sánchez

## List of Publications by Year in descending order

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44  
papers

1,167  
citations

516215

16  
h-index

395343

33  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progesterone at the picomolar range is a chemoattractant for mammalian spermatozoa. <i>Fertility and Sterility</i> , 2006, 86, 745-749.	0.5	168
2	Molecular Mechanism for Human Sperm Chemotaxis Mediated by Progesterone. <i>PLoS ONE</i> , 2009, 4, e8211.	1.1	131
3	Effect of <i>Escherichia coli</i> and its soluble factors on mitochondrial membrane potential, phosphatidylserine translocation, viability, and motility of human spermatozoa. <i>Fertility and Sterility</i> , 2010, 94, 619-623.	0.5	79
4	Human spermatozoa vitrified in the absence of permeable cryoprotectants: birth of two healthy babies. <i>Reproduction, Fertility and Development</i> , 2012, 24, 323.	0.1	62
5	Melatonin Scavenger Properties against Oxidative and Nitrosative Stress: Impact on Gamete Handling and In Vitro Embryo Production in Humans and Other Mammals. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1119.	1.8	57
6	Live Birth After Intrauterine Insemination With Spermatozoa From an Oligoasthenozoospermic Patient Vitrified Without Permeable Cryoprotectants. <i>Journal of Andrology</i> , 2012, 33, 559-562.	2.0	54
7	Effects on the quality of frozen-thawed alpaca ( <i>Lama pacos</i> ) semen using two different cryoprotectants and extenders. <i>Asian Journal of Andrology</i> , 2005, 7, 303-309.	0.8	51
8	Leukocytes coincubated with human sperm trigger classic neutrophil extracellular traps formation, reducing sperm motility. <i>Fertility and Sterility</i> , 2016, 106, 1053-1060.e1.	0.5	51
9	Lack of species-specificity in mammalian sperm chemotaxis. <i>Developmental Biology</i> , 2003, 255, 423-427.	0.9	40
10	Influence of reactive oxygen species produced by activated leukocytes at the level of apoptosis in mature human spermatozoa. <i>Fertility and Sterility</i> , 2005, 83, 808-810.	0.5	40
11	Effect of the addition of two superoxide dismutase analogues (Tempo and Tempol) to alpaca semen extender for cryopreservation. <i>Theriogenology</i> , 2013, 79, 842-846.	0.9	32
12	Human sperm vitrification: A scientific report. <i>Andrology</i> , 2020, 8, 1642-1650.	1.9	29
13	Addition of superoxide dismutase mimics during cooling process prevents oxidative stress and improves semen quality parameters in frozen/thawed ram spermatozoa. <i>Theriogenology</i> , 2014, 82, 884-889.	0.9	28
14	Intracytoplasmic sperm injection affects embryo developmental potential and gene expression in cattle. <i>Reproductive Biology</i> , 2015, 15, 34-41.	0.9	24
15	Human sperm chemotaxis depends on critical levels of reactive oxygen species. <i>Fertility and Sterility</i> , 2010, 93, 150-153.	0.5	22
16	Monocyte-derived extracellular trap (MET) formation induces aggregation and affects motility of human spermatozoa in vitro. <i>Systems Biology in Reproductive Medicine</i> , 2019, 65, 357-366.	1.0	21
17	Conventional freezing vs. cryoprotectant-free vitrification of epididymal (MESA) and testicular (TESE) spermatozoa: Three live births. <i>Cryobiology</i> , 2019, 90, 100-102.	0.3	19
18	Nitrosative stress in human spermatozoa causes cell death characterized by induction of mitochondrial permeability transition-driven necrosis. <i>Asian Journal of Andrology</i> , 2018, 20, 600.	0.8	18

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19	Progesterone sperm chemoattraction may be modulated by its corticosteroid-binding globulin carrier protein. <i>Fertility and Sterility</i> , 2010, 93, 2450-2452.	0.5	16
20	Antioxidants and their effect on the oxidative/nitrosative stress of frozen-thawed boar sperm. <i>Cryobiology</i> , 2021, 98, 5-11.	0.3	16
21	Improved preimplantation development of bovine ICSI embryos generated with spermatozoa pretreated with membrane-stabilizing agents lysolecithin and Triton X-100. <i>Theriogenology</i> , 2016, 86, 1489-1497.	0.9	15
22	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. <i>Research in Veterinary Science</i> , 2021, 136, 143-150.	0.9	15
23	Effect of anisomycin, a protein synthesis inhibitor, on the <i>in vitro</i> developmental potential, ploidy and embryo quality of bovine ICSI embryos. <i>Zygote</i> , 2016, 24, 724-732.	0.5	14
24	Increase of leucocyte-derived extracellular traps (ETs) in semen samples from human acute epididymitis patientsâ€”a pilot study. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2223-2231.	1.2	14
25	Thiol oxidation by nitrosative stress: Cellular localization in human spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 325-334.	1.0	13
26	Determination of leucocyte extracellular traps (ETs) in seminal fluid (ex vivo) in infertile patientsâ€”A pilot study. <i>Andrologia</i> , 2019, 51, e13356.	1.0	13
27	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. <i>Cryobiology</i> , 2020, 97, 5-11.	0.3	13
28	Changes in sperm function and structure after freezing in domestic cat spermatozoa. <i>Andrologia</i> , 2018, 50, e13080.	1.0	12
29	Seminal plasma, and not sperm, induces time and concentrationâ€”dependent neutrophil extracellular trap release in donkeys. <i>Equine Veterinary Journal</i> , 2022, 54, 415-426.	0.9	12
30	Effect of incubation temperature after devitrification on quality parameters in human sperm cells. <i>Cryobiology</i> , 2017, 79, 78-81.	0.3	9
31	Multiparameter Flow Cytometry Assay for Analysis of Nitrosative Stress Status in Human Spermatozoa. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 1238-1247.	1.1	9
32	SOCE-inhibitor reduced human sperm-induced formation of neutrophil extracellular traps. <i>Reproduction</i> , 2021, 161, 21-29.	1.1	9
33	Cryoprotectant-free vitrification of spermatozoa: Fish as a model of human. <i>Andrologia</i> , 2019, 51, e13166.	1.0	8
34	Antioxidant effects of penicillamine against <i>in vitro</i> â€”induced oxidative stress in human spermatozoa. <i>Andrologia</i> , 2020, 52, e13553.	1.0	8
35	Autophagy is activated in human spermatozoa subjected to oxidative stress and its inhibition impairs sperm quality and promotes cell death. <i>Human Reproduction</i> , 2022, 37, 680-695.	0.4	8
36	Novel Approaches to the Cryopreservation of Human Spermatozoa: History and Development of the Spermatozoa Vitrification Technology. <i>Journal of Reproductive and Stem Cell Biotechnology</i> , 2011, 2, 128-145.	0.1	7

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37	Positive effect of butylated hydroxytoluene (BHT) on the quality of cryopreserved cat spermatozoa. <i>Cryobiology</i> , 2019, 89, 76-81.	0.3	7
38	Adverse Effects of Single Neutrophil Extracellular Trap-Derived Components on Bovine Sperm Function. <i>Animals</i> , 2022, 12, 1308.	1.0	5
39	Chapter 6 Technology of Aseptic Cryoprotectant-Free Vitrification of Human ICSI Spermatozoa. <i>Methods in Molecular Biology</i> , 2017, 1568, 79-84.	0.4	4
40	Dynamic assessment of human sperm DNA damage III: the effect of sperm freezing techniques. <i>Cell and Tissue Banking</i> , 2020, 22, 379-387.	0.5	4
41	Protective effect of the superoxide dismutase mimetic MnTBAP during sperm vitrification process. <i>Andrologia</i> , 2020, 52, e13665.	1.0	3
42	Modulaci3n del Estado de 3xido-Reducci3n por Per3xido de Hidr3geno en la Etapa de Maduraci3n Ovocitaria: Efecto sobre el Desarrollo Embrionario en Bovinos. <i>International Journal of Morphology</i> , 2016, 34, 431-435.	0.1	3
43	Vitrificaci3n de espermatozoides: una alternativa a la inyecci3n intracitoplasm3tica de espermatozoides en paciente con oligoastenozoospermia severa. <i>Revista Internacional De Androlog3a</i> , 2013, 11, 36-39.	0.1	2
44	Technologies for Cryoprotectant-Free Vitrification of Human Spermatozoa: Asepticity as a Criterion for Effectiveness. , 2019, , 643-654.		0