Martin-Hidalgo D

List of Publications by Year
in descending order

34	905	430874 18	477307 29
papers	citations	h-index	g-index

34	34	34	905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of different cellular concentrations of boar sperm suspensions on the induction of capacitation and acrosome reaction. Journal of Reproduction and Development, 2022, 68, 68-73.	1.4	5
2	The Sirtuin 1 activator YK 3-237 stimulates capacitation-related events in human spermatozoa. Reproductive BioMedicine Online, 2022, , .	2.4	1
3	Starvation induces an increase in intracellular calcium and potentiates the progesteroneâ€induced mouse sperm acrosome reaction. FASEB Journal, 2021, 35, e21528.	0.5	11
4	Assisted reproductive technology outcomes in obese and diabetic men: lighting the darkness. F&S Reviews, 2021, 2, 317-329.	1.3	1
5	Impaired mammalian sperm function and lower phosphorylation signaling caused by the herbicide RoundupÂ® Ultra Plus are due to its surfactant component. Theriogenology, 2021, 172, 55-66.	2.1	8
6	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. Animals, 2020, 10, 2171.	2.3	10
7	Capacitation increases glucose consumption in murine sperm. Molecular Reproduction and Development, 2020, 87, 1037-1047.	2.0	27
8	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. Antioxidants and Redox Signaling, 2020, 33, 767-785.	5.4	26
9	Boar spermatozoa proteomic profile varies in sperm collected during the summer and winter. Animal Reproduction Science, 2020, 219, 106513.	1.5	9
10	Metabolic changes in mouse sperm during capacitationâ€. Biology of Reproduction, 2020, 103, 791-801.	2.7	50
11	Human sperm phosphoproteome reveals differential phosphoprotein signatures that regulate human sperm motility. Journal of Proteomics, 2020, 215, 103654.	2.4	24
12	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. Antioxidants, 2019, 8, 89.	5.1	100
13	Transient Sperm Starvation Improves the Outcome of Assisted Reproductive Technologies. Frontiers in Cell and Developmental Biology, 2019, 7, 262.	3.7	32
14	Metformin inhibits human spermatozoa motility and signalling pathways mediated by protein kinase A and tyrosine phosphorylation without affecting mitochondrial function. Reproduction, Fertility and Development, 2019, 31, 787.	0.4	9
15	Metformin blocks mitochondrial membrane potential and inhibits sperm motility in fresh and refrigerated boar spermatozoa. Reproduction in Domestic Animals, 2018, 53, 733-741.	1.4	11
16	AMPK Function in Mammalian Spermatozoa. International Journal of Molecular Sciences, 2018, 19, 3293.	4.1	48
17	CatSper channels are regulated by protein kinase A. Journal of Biological Chemistry, 2018, 293, 16830-16841.	3.4	61
18	Boar sperm hyperactivated motility is induced by temperature via an intracellular calcium-dependent pathway. Reproduction, Fertility and Development, 2018, 30, 1462.	0.4	9

#	Article	IF	Citations
19	Only a subpopulation of mouse sperm displays a rapid increase in intracellular calcium during capacitation. Journal of Cellular Physiology, 2018, 233, 9685-9700.	4.1	33
20	Supplementation of freezing/thawing media with GSK3 inhibitor alsterpaullone does not bypass the harmful effect of cryopreservation on boar spermatozoa. Animal Reproduction Science, 2018, 196, 176-183.	1.5	1
21	Defective sperm head decondensation undermines the success of ICSI in the bovine. Reproduction, 2017, 154, 307-318.	2.6	22
22	AMP-activated kinase in human spermatozoa: identification, intracellular localization, and key function in the regulation of sperm motility. Asian Journal of Andrology, 2017, 19, 707.	1.6	27
23	New insights into transduction pathways that regulate boar sperm function. Theriogenology, 2016, 85, 12-20.	2.1	20
24	A new Bayesian network-based approach to the analysis of sperm motility: application in the study ofÂtench (Tinca tinca) semen. Andrology, 2015, 3, 956-966.	3.5	4
25	Effects of exposure to 17-alpha-ethynylestradiol on sperm quality of tench (Tinca tinca). Ecotoxicology and Environmental Safety, 2015, 120, 318-325.	6.0	12
26	AMPK up-activation reduces motility and regulates other functions of boar spermatozoa. Molecular Human Reproduction, 2015, 21, 31-45.	2.8	36
27	The Calcium/CaMKKalpha/beta and the cAMP/PKA Pathways Are Essential Upstream Regulators of AMPK Activity in Boar Spermatozoa1. Biology of Reproduction, 2014, 90, 29.	2.7	40
28	AMP-activated kinase, AMPK, is involved in the maintenance of plasma membrane organization in boar spermatozoa. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2143-2151.	2.6	56
29	Adenosine monophosphate-activated kinase, AMPK, is involved in the maintenance of the quality of extended boar semen during long-term storage. Theriogenology, 2013, 80, 285-294.	2.1	34
30	Inter- and intra-breed comparative study of sperm motility and viability in Iberian and Duroc boar semen during long-term storage in MR-A and XCell extenders. Animal Reproduction Science, 2013, 139, 109-114.	1.5	18
31	The Effect of Resveratrol on the Quality of Extended Boar Semen During Storage at 17Â°C. Journal of Agricultural Science, 2013, 5, .	0.2	5
32	Src family tyrosine kinase regulates acrosome reaction but not motility in porcine spermatozoa. Reproduction, 2012, 144, 67-75.	2.6	18
33	AMP-Activated Kinase AMPK Is Expressed in Boar Spermatozoa and Regulates Motility. PLoS ONE, 2012, 7, e38840.	2.5	68
34	The effect of melatonin on the quality of extended boar semen after long-term storage at 17 Â°C. Theriogenology, 2011, 75, 1550-1560.	2.1	69