

# Martin-Hidalgo D

## List of Publications by Year in descending order

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34  
papers

905  
citations

430874

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h-index

477307

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g-index

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all docs

34  
docs citations

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times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. <i>Antioxidants</i> , 2019, 8, 89.	5.1	100
2	The effect of melatonin on the quality of extended boar semen after long-term storage at 17 Å°C. <i>Theriogenology</i> , 2011, 75, 1550-1560.	2.1	69
3	AMP-Activated Kinase AMPK Is Expressed in Boar Spermatozoa and Regulates Motility. <i>PLoS ONE</i> , 2012, 7, e38840.	2.5	68
4	CatSper channels are regulated by protein kinase A. <i>Journal of Biological Chemistry</i> , 2018, 293, 16830-16841.	3.4	61
5	AMP-activated kinase, AMPK, is involved in the maintenance of plasma membrane organization in boar spermatozoa. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2143-2151.	2.6	56
6	Metabolic changes in mouse sperm during capacitationâ€. <i>Biology of Reproduction</i> , 2020, 103, 791-801.	2.7	50
7	AMPK Function in Mammalian Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3293.	4.1	48
8	The Calcium/CaMKKalpha/beta and the cAMP/PKA Pathways Are Essential Upstream Regulators of AMPK Activity in Boar Spermatozoa1. <i>Biology of Reproduction</i> , 2014, 90, 29.	2.7	40
9	AMPK up-activation reduces motility and regulates other functions of boar spermatozoa. <i>Molecular Human Reproduction</i> , 2015, 21, 31-45.	2.8	36
10	Adenosine monophosphate-activated kinase, AMPK, is involved in the maintenance of the quality of extended boar semen during long-term storage. <i>Theriogenology</i> , 2013, 80, 285-294.	2.1	34
11	Only a subpopulation of mouse sperm displays a rapid increase in intracellular calcium during capacitation. <i>Journal of Cellular Physiology</i> , 2018, 233, 9685-9700.	4.1	33
12	Transient Sperm Starvation Improves the Outcome of Assisted Reproductive Technologies. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 262.	3.7	32
13	Capacitation increases glucose consumption in murine sperm. <i>Molecular Reproduction and Development</i> , 2020, 87, 1037-1047.	2.0	27
14	AMP-activated kinase in human spermatozoa: identification, intracellular localization, and key function in the regulation of sperm motility. <i>Asian Journal of Andrology</i> , 2017, 19, 707.	1.6	27
15	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 767-785.	5.4	26
16	Human sperm phosphoproteome reveals differential phosphoprotein signatures that regulate human sperm motility. <i>Journal of Proteomics</i> , 2020, 215, 103654.	2.4	24
17	Defective sperm head decondensation undermines the success of ICSI in the bovine. <i>Reproduction</i> , 2017, 154, 307-318.	2.6	22
18	New insights into transduction pathways that regulate boar sperm function. <i>Theriogenology</i> , 2016, 85, 12-20.	2.1	20

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19	Src family tyrosine kinase regulates acrosome reaction but not motility in porcine spermatozoa. <i>Reproduction</i> , 2012, 144, 67-75.	2.6	18
20	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. <i>Animal Reproduction Science</i> , 2013, 139, 109-114.	1.5	18
21	Effects of exposure to 17-alpha-ethynylestradiol on sperm quality of tench ( <i>Tinca tinca</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 318-325.	6.0	12
22	Metformin blocks mitochondrial membrane potential and inhibits sperm motility in fresh and refrigerated boar spermatozoa. <i>Reproduction in Domestic Animals</i> , 2018, 53, 733-741.	1.4	11
23	Starvation induces an increase in intracellular calcium and potentiates the progesterone-induced mouse sperm acrosome reaction. <i>FASEB Journal</i> , 2021, 35, e21528.	0.5	11
24	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. <i>Animals</i> , 2020, 10, 2171.	2.3	10
25	Boar sperm hyperactivated motility is induced by temperature via an intracellular calcium-dependent pathway. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1462.	0.4	9
26	Metformin inhibits human spermatozoa motility and signalling pathways mediated by protein kinase A and tyrosine phosphorylation without affecting mitochondrial function. <i>Reproduction, Fertility and Development</i> , 2019, 31, 787.	0.4	9
27	Boar spermatozoa proteomic profile varies in sperm collected during the summer and winter. <i>Animal Reproduction Science</i> , 2020, 219, 106513.	1.5	9
28	Impaired mammalian sperm function and lower phosphorylation signaling caused by the herbicide Roundup® Ultra Plus are due to its surfactant component. <i>Theriogenology</i> , 2021, 172, 55-66.	2.1	8
29	The Effect of Resveratrol on the Quality of Extended Boar Semen During Storage at 17°C. <i>Journal of Agricultural Science</i> , 2013, 5, .	0.2	5
30	Influence of different cellular concentrations of boar sperm suspensions on the induction of capacitation and acrosome reaction. <i>Journal of Reproduction and Development</i> , 2022, 68, 68-73.	1.4	5
31	A new Bayesian network-based approach to the analysis of sperm motility: application in the study of tench ( <i>Tinca tinca</i> ) semen. <i>Andrology</i> , 2015, 3, 956-966.	3.5	4
32	Supplementation of freezing/thawing media with GSK3 inhibitor alsterpaullone does not bypass the harmful effect of cryopreservation on boar spermatozoa. <i>Animal Reproduction Science</i> , 2018, 196, 176-183.	1.5	1
33	Assisted reproductive technology outcomes in obese and diabetic men: lighting the darkness. <i>F&amp;S Reviews</i> , 2021, 2, 317-329.	1.3	1
34	The Sirtuin 1 activator YK 3-237 stimulates capacitation-related events in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2022, .	2.4	1