

Jaime Catalán

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

386
citations

933264

10
h-index

887953

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all docs

34
docs citations

34
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in sperm cryopreservation in farm animals: Cattle, horse, pig and sheep. <i>Animal Reproduction Science</i> , 2022, 246, 106904.	0.5	45
2	Activities of antioxidant seminal plasma enzymes (SOD, CAT, GPX and GSR) are higher in jackasses than in stallions and are correlated with sperm motility in jackasses. <i>Theriogenology</i> , 2019, 140, 180-187.	0.9	40
3	Specific Activity of Superoxide Dismutase in Stallion Seminal Plasma Is Related to Sperm Cryotolerance. <i>Antioxidants</i> , 2019, 8, 539.	2.2	34
4	Species-Specific Differences in Sperm Chromatin Decondensation Between Eutherian Mammals Underlie Distinct Lysis Requirements. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 669182.	1.8	21
5	Total and specific activities of superoxide dismutase (SOD) in seminal plasma are related with the cryotolerance of jackass spermatozoa. <i>Cryobiology</i> , 2020, 92, 109-116.	0.3	20
6	Seminal Plasma, Sperm Concentration, and Sperm-PMN Interaction in the Donkey: An In Vitro Model to Study Endometrial Inflammation at Post-Insemination. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3478.	1.8	18
7	Examination of jackass (<i>Equus asinus</i>) accessory sex glands by B-mode ultrasound and of testicular artery blood flow by colour pulsed-wave Doppler ultrasound: Correlations with semen production. <i>Reproduction in Domestic Animals</i> , 2020, 55, 181-188.	0.6	16
8	HVCN1 Channels Are Relevant for the Maintenance of Sperm Motility During In Vitro Capacitation of Pig Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3255.	1.8	15
9	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588621.	1.8	13
10	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. <i>Biology</i> , 2019, 8, 85.	1.3	12
11	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. <i>Cells</i> , 2020, 9, 2546.	1.8	12
12	Seminal plasma, and not sperm, induces time and concentration-dependent neutrophil extracellular trap release in donkeys. <i>Equine Veterinary Journal</i> , 2022, 54, 415-426.	0.9	12
13	Red-light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. <i>Reproduction in Domestic Animals</i> , 2019, 54, 1145-1148.	0.6	11
14	Red-Light Irradiation of Horse Spermatozoa Increases Mitochondrial Activity and Motility through Changes in the Motile Sperm Subpopulation Structure. <i>Biology</i> , 2020, 9, 254.	1.3	11
15	Effects of red-light irradiation on the function and survival of fresh and liquid-stored donkey semen. <i>Theriogenology</i> , 2020, 149, 88-97.	0.9	11
16	Extracellular Reactive Oxygen Species (ROS) Production in Fresh Donkey Sperm Exposed to Reductive Stress, Oxidative Stress and NETosis. <i>Antioxidants</i> , 2021, 10, 1367.	2.2	10
17	ProAKAP4 Semen Concentrations as a Valuable Marker Protein of Post-Thawed Semen Quality and Bull Fertility: A Retrospective Study. <i>Veterinary Sciences</i> , 2022, 9, 224.	0.6	10
18	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38°C. <i>Theriogenology</i> , 2020, 157, 85-95.	0.9	8

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19	A New Approach of Sperm Motility Subpopulation Structure in Donkey and Horse. <i>Frontiers in Veterinary Science</i> , 2021, 8, 651477.	0.9	8
20	The TUNEL assay underestimates the incidence of DNA damage in pig sperm due to chromatin condensation. <i>Theriogenology</i> , 2021, 174, 94-101.	0.9	7
21	Impact of Seminal Plasma Antioxidants on Donkey Sperm Cryotolerance. <i>Antioxidants</i> , 2022, 11, 417.	2.2	7
22	Collagen and Eosinophils in Jenny's Endometrium: Do They Differ With Endometrial Classification?. <i>Frontiers in Veterinary Science</i> , 2020, 7, 631.	0.9	6
23	Seminal Plasma Antioxidants Are Related to Sperm Cryotolerance in the Horse. <i>Antioxidants</i> , 2022, 11, 1279.	2.2	6
24	Optimal frame rate when there were stallion sperm motility evaluations and determinations for kinematic variables using CASA-Mot analysis in different counting chambers. <i>Animal Reproduction Science</i> , 2020, 223, 106643.	0.5	5
25	Addition of Reduced Glutathione (GSH) to Freezing Medium Reduces Intracellular ROS Levels in Donkey Sperm. <i>Veterinary Sciences</i> , 2021, 8, 302.	0.6	5
26	Optimization of CASA-Mot Analysis of Donkey Sperm: Optimum Frame Rate and Values of Kinematic Variables for Different Counting Chamber and Fields. <i>Animals</i> , 2020, 10, 1993.	1.0	4
27	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. <i>Animals</i> , 2021, 11, 122.	1.0	4
28	New Sperm Morphology Analysis in Equids: Trumorph@V's Eosin-Nigrosin Stain. <i>Veterinary Sciences</i> , 2021, 8, 79.	0.6	4
29	Specific Seminal Plasma Fractions Are Responsible for the Modulation of Sperm@PMN Binding in the Donkey. <i>Animals</i> , 2021, 11, 1388.	1.0	4
30	Single Layer Centrifugation Improves the Quality of Fresh Donkey Semen and Modifies the Sperm Ability to Interact with Polymorphonuclear Neutrophils. <i>Animals</i> , 2020, 10, 2128.	1.0	2
31	Medium-term effects of the diluted pig semen irradiation with red LED light on the integrity of nucleoprotein structure and resilience to withstand thermal stress. <i>Theriogenology</i> , 2020, 157, 388-398.	0.9	2
32	Seminal plasma has limited counteracting effects following induction of oxidative stress in donkey spermatozoa. <i>Reproduction, Fertility and Development</i> , 2020, 32, 619.	0.1	2
33	Hastening Time to Ejaculation in Donkey Jacks Treated with the PGF2± Analog, Cloprostenol Sodium. <i>Animals</i> , 2020, 10, 2231.	1.0	1
34	Simple Tube Centrifugation Method for Platelet-Rich Plasma (PRP) Preparation in Catalanian Donkeys as a Treatment of Endometritis-Endometrosis. <i>Animals</i> , 2021, 11, 2918.	1.0	0