Jaime Cataln

List of Publications by Citations

30 papers	158 citations	7 h-index	10 g-index
34 ext. papers	274 ext. citations	3.6 avg, IF	3.39 L-index

#	Paper	IF	Citations
30	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. *Theriogenology*, **2019**, 140, 180-187	2.8	18
29	Specific Activity of Superoxide Dismutase in Stallion Seminal Plasma Is Related to Sperm Cryotolerance. *Antioxidants*, **2019**, 8,	7.1	17
28	Seminal Plasma, Sperm Concentration, and Sperm-PMN Interaction in the Donkey: An In Vitro Model to Study Endometrial Inflammation at Post-Insemination. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	12
27	Total and specific activities of superoxide dismutase (SOD) in seminal plasma are related with the cryotolerance of jackass spermatozoa. *Cryobiology*, **2020**, 92, 109-116	2.7	12
26	Red-light stimulation of boar semen prior to artificial insemination improves field fertility in farms: A worldwide survey. *Reproduction in Domestic Animals*, **2019**, 54, 1145-1148	1.6	9
25	HVCN1 Channels Are Relevant for the Maintenance of Sperm Motility During In Vitro Capacitation of Pig Spermatozoa. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
24	Examination of jackass (Equus asinus) accessory sex glands by B-mode ultrasound and of testicular artery blood flow by colour pulsed-wave Doppler ultrasound: Correlations with semen production. *Reproduction in Domestic Animals*, **2020**, 55, 181-188	1.6	7
23	Red-Light Irradiation of Horse Spermatozoa Increases Mitochondrial Activity and Motility through Changes in the Motile Sperm Subpopulation Structure. *Biology*, **2020**, 9,	4.9	7
22	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. *Biology*, **2019**, 8,	4.9	7
21	Effects of red-light irradiation on the function and survival of fresh and liquid-stored donkey semen. *Theriogenology*, **2020**, 149, 88-97	2.8	6
20	Species-Specific Differences in Sperm Chromatin Decondensation Between Eutherian Mammals Underlie Distinct Lysis Requirements. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 669182	5.7	6
19	Seminal plasma, and not sperm, induces time and concentration-dependent neutrophil extracellular trap release in donkeys. *Equine Veterinary Journal*, **2021**,	2.4	6
18	Red LED Light Acts on the Mitochondrial Electron Chain of Donkey Sperm and Its Effects Depend on the Time of Exposure to Light. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 588621	5.7	5
17	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38℃. *Theriogenology*, **2020**, 157, 85-95	2.8	4
16	Optimal frame rate when there were stallion sperm motility evaluations and determinations for kinematic variables using CASA-Mot analysis in different counting chambers. *Animal Reproduction Science*, **2020**, 223, 106643	2.1	4
15	Advances in sperm cryopreservation in farm animals: Cattle, horse, pig and sheep. *Animal Reproduction Science*, **2021**, 106904	2.1	3
14	A New Approach of Sperm Motility Subpopulation Structure in Donkey and Horse. *Frontiers in Veterinary Science*, **2021**, 8, 651477	3.1	3

List of Publications

13	Specific Seminal Plasma Fractions Are Responsible for the Modulation of Sperm-PMN Binding in the Donkey. *Animals*, **2021**, 11,	3.1	3
12	Optimization of CASA-Mot Analysis of Donkey Sperm: Optimum Frame Rate and Values of Kinematic Variables for Different Counting Chamber and Fields. *Animals*, **2020**, 10,	3.1	2
11	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. *Cells*, **2020**, 9,	7.9	2
10	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. *Theriogenology*, **2020**, 157, 388-398	2.8	2
9	Collagen and Eosinophils in Jenny Endometrium: Do They Differ With Endometrial Classification?. *Frontiers in Veterinary Science*, **2020**, 7, 631	3.1	2
8	Extracellular Reactive Oxygen Species (ROS) Production in Fresh Donkey Sperm Exposed to Reductive Stress, Oxidative Stress and NETosis. *Antioxidants*, **2021**, 10,	7.1	2
7	Impact of Seminal Plasma Antioxidants on Donkey Sperm Cryotolerance.. *Antioxidants*, **2022**, 11,	7.1	2
6	ProAKAP4 Semen Concentrations as a Valuable Marker Protein of Post-Thawed Semen Quality and Bull Fertility: A Retrospective Study. *Veterinary Sciences*, **2022**, 9, 224	2.4	2
5	Seminal plasma has limited counteracting effects following induction of oxidative stress in donkey spermatozoa. *Reproduction, Fertility and Development*, **2020**, 32, 619-628	1.8	1
4	Single Layer Centrifugation Improves the Quality of Fresh Donkey Semen and Modifies the Sperm Ability to Interact with Polymorphonuclear Neutrophils. *Animals*, **2020**, 10,	3.1	1
3	Hastening Time to Ejaculation in Donkey Jacks Treated with the PGF2 Analog, Cloprostenol Sodium. *Animals*, **2020**, 10,	3.1	1
2	The Effects of Red Light on Mammalian Sperm Rely upon the Color of the Straw and the Medium Used. *Animals*, **2021**, 11,	3.1	1
1	The TUNEL assay underestimates the incidence of DNA damage in pig sperm due to chromatin condensation. *Theriogenology*, **2021**, 174, 94-101	2.8	0