

Jose A Tapia

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

6,499
citations

36
h-index

80
g-index

89
ext. papers

7,331
ext. citations

3.8
avg, IF

4.53
L-index

#	Paper	IF	Citations
81	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
80	Lipid peroxidation, assessed with BODIPY-C11, increases after cryopreservation of stallion spermatozoa, is stallion-dependent and is related to apoptotic-like changes. <i>Reproduction</i> , 2009 , 138, 55-63	3.8	123
79	Detection of "apoptosis-like" changes during the cryopreservation process in equine sperm. <i>Journal of Andrology</i> , 2008 , 29, 213-21		120
78	Mitochondria in mammalian sperm physiology and pathology: a review. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 345-9	1.6	106
77	Dissecting the molecular damage to stallion spermatozoa: the way to improve current cryopreservation protocols?. <i>Theriogenology</i> , 2011 , 76, 1177-86	2.8	93
76	Identification of sperm morphometric subpopulations in two different portions of the boar ejaculate and its relation to postthaw quality. <i>Journal of Andrology</i> , 2005 , 26, 716-23		91
75	Melatonin reduces lipid peroxidation and apoptotic-like changes in stallion spermatozoa. <i>Journal of Pineal Research</i> , 2011 , 51, 172-9	10.4	77
74	Inhibition of the mitochondrial permeability transition pore reduces "apoptosis like" changes during cryopreservation of stallion spermatozoa. <i>Theriogenology</i> , 2010 , 74, 458-65	2.8	76
73	Inhibition of Mitochondrial Complex I Leads to Decreased Motility and Membrane Integrity Related to Increased Hydrogen Peroxide and Reduced ATP Production, while the Inhibition of Glycolysis Has Less Impact on Sperm Motility. <i>PLoS ONE</i> , 2015 , 10, e0138777	3.7	71
72	Apoptotic markers can be used to forecast the freezeability of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2009 , 114, 393-403	2.1	63
71	Autophagy and apoptosis have a role in the survival or death of stallion spermatozoa during conservation in refrigeration. <i>PLoS ONE</i> , 2012 , 7, e30688	3.7	62
70	Progress in developing cholecystokinin (CCK)/gastrin receptor ligands that have therapeutic potential. <i>Current Opinion in Pharmacology</i> , 2007 , 7, 583-92	5.1	61
69	Toxicity of glycerol for the stallion spermatozoa: effects on membrane integrity and cytoskeleton, lipid peroxidation and mitochondrial membrane potential. <i>Theriogenology</i> , 2012 , 77, 1280-9	2.8	59
68	Mitochondrial ATP is required for the maintenance of membrane integrity in stallion spermatozoa, whereas motility requires both glycolysis and oxidative phosphorylation. <i>Reproduction</i> , 2016 , 152, 683-694	3.8	58
67	Autophagy-related proteins are functionally active in human spermatozoa and may be involved in the regulation of cell survival and motility. <i>Scientific Reports</i> , 2016 , 6, 33647	4.9	56
66	Cholecystokinin activates PYK2/CAKbeta by a phospholipase C-dependent mechanism and its association with the mitogen-activated protein kinase signaling pathway in pancreatic acinar cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31261-71	5.4	56
65	Identification of sperm subpopulations in stallion ejaculates: changes after cryopreservation and comparison with traditional statistics. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 419-23	1.6	55

64	Phosphorylated AKT preserves stallion sperm viability and motility by inhibiting caspases 3 and 7. <i>Reproduction</i> , 2014 , 148, 221-35	3.8	54
63	Effect of cryopreservation on nitric oxide production by stallion spermatozoa. <i>Biology of Reproduction</i> , 2009 , 81, 1106-11	3.9	53
62	Centrifugation on a single layer of colloid selects improved quality spermatozoa from frozen-thawed stallion semen. <i>Animal Reproduction Science</i> , 2009 , 114, 193-202	2.1	53
61	Membrane lipids of the stallion spermatozoon in relation to sperm quality and susceptibility to lipid peroxidation. <i>Reproduction in Domestic Animals</i> , 2011 , 46, 141-8	1.6	52
60	Cholecystinin-stimulated protein kinase C-delta kinase activation, tyrosine phosphorylation, and translocation are mediated by Src tyrosine kinases in pancreatic acinar cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35220-30	5.4	52
59	EGF stimulates tyrosine phosphorylation of focal adhesion kinase (p125FAK) and paxillin in rat pancreatic acini by a phospholipase C-independent process that depends on phosphatidylinositol 3-kinase, the small GTP-binding protein, p21rho, and the integrity of the actin cytoskeleton. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 25-38	4.9	51
58	Melatonin reduces pancreatic tumor cell viability by altering mitochondrial physiology. <i>Journal of Pineal Research</i> , 2011 , 50, 250-60	10.4	48
57	Rottlerin inhibits stimulated enzymatic secretion and several intracellular signaling transduction pathways in pancreatic acinar cells by a non-PKC-delta-dependent mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 25-38	4.9	48
56	Porcine sperm motility is regulated by serine phosphorylation of the glycogen synthase kinase-3alpha. <i>Reproduction</i> , 2007 , 134, 435-44	3.8	48
55	Identification of protein tyrosine phosphatases and dual-specificity phosphatases in mammalian spermatozoa and their role in sperm motility and protein tyrosine phosphorylation. <i>Biology of Reproduction</i> , 2009 , 80, 1239-52	3.9	46
54	CCK causes PKD1 activation in pancreatic acini by signaling through PKC-delta and PKC-independent pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 483-501	4.9	45
53	The membrane of the mammalian spermatozoa: much more than an inert envelope. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 3, 65-75	1.6	42
52	Single-layer centrifugation through colloid positively modifies the sperm subpopulation structure of frozen-thawed stallion spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 523-6	1.6	42
51	Freezing dog semen in presence of the antioxidant butylated hydroxytoluene improves postthaw sperm membrane integrity. <i>Theriogenology</i> , 2010 , 73, 645-50	2.8	39
50	Fatty acids and plasmalogens of the phospholipids of the sperm membranes and their relation with the post-thaw quality of stallion spermatozoa. <i>Theriogenology</i> , 2011 , 75, 811-8	2.8	38
49	Does the microbial flora in the ejaculate affect the freezeability of stallion sperm?. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 518-22	1.6	38
48	The mitochondria of stallion spermatozoa are more sensitive than the plasmalemma to osmotic-induced stress: role of c-Jun N-terminal kinase (JNK) pathway. <i>Journal of Andrology</i> , 2012 , 33, 105-13		37
47	Determination of glutation peroxidase and superoxide dismutase activities in canine seminal plasma and its relation with sperm quality and lipid peroxidation post thaw. <i>Theriogenology</i> , 2011 , 75, 10-6	2.8	37

46	CCKA receptor activation stimulates p130(Cas) tyrosine phosphorylation, translocation, and association with Crk in rat pancreatic acinar cells. <i>Biochemistry</i> , 1999 , 38, 1497-508	3.2	30
45	Sex sorting increases the permeability of the membrane of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2013 , 138, 241-51	2.1	29
44	The Src family kinase, Lyn, is activated in pancreatic acinar cells by gastrointestinal hormones/neurotransmitters and growth factors which stimulate its association with numerous other signaling molecules. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 356-65	4.9	26
43	Phosphatidylinositol 3-kinase pathway regulates sperm viability but not capacitation on boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2007 , 74, 1035-42	2.6	25
42	Bombesin and gastrin releasing peptide increase tyrosine phosphorylation of focal adhesion kinase and paxillin in non-small cell lung cancer cells. <i>Cancer Letters</i> , 2001 , 162, 87-95	9.9	25
41	SDS-PAGE and Western blot of urinary proteins in dogs with leishmaniasis. <i>Veterinary Research</i> , 2003 , 34, 137-51	3.8	25
40	Gastrointestinal growth factors and hormones have divergent effects on Akt activation. <i>Cellular Signalling</i> , 2009 , 21, 622-38	4.9	24
39	Characterization of renal damage in canine leptospirosis by sodium dodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE) and Western blotting of the urinary proteins. <i>Journal of Comparative Pathology</i> , 2003 , 129, 169-78	1	23
38	Cholecystokinin-stimulated tyrosine phosphorylation of PKC-delta in pancreatic acinar cells is regulated bidirectionally by PKC activation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002 , 1593, 99-113	4.9	22
37	Freezing stallion semen with the new Cberes extender improves post thaw sperm quality and diminishes stallion-to-stallion variability. <i>Animal Reproduction Science</i> , 2011 , 127, 78-83	2.1	21
36	The autophagy-related protein LC3 is processed in stallion spermatozoa during short-and long-term storage and the related stressful conditions. <i>Animal</i> , 2016 , 10, 1182-91	3.1	21
35	Phosphospecific site tyrosine phosphorylation of p125FAK and proline-rich kinase 2 is differentially regulated by cholecystokinin receptor type A activation in pancreatic acini. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19008-16	5.4	20
34	Stallion spermatozoa surviving freezing and thawing experience membrane depolarization and increased intracellular Na. <i>Andrology</i> , 2017 , 5, 1174-1182	4.2	19
33	Identification of key amino acids in the gastrin-releasing peptide receptor (GRPR) responsible for high affinity binding of gastrin-releasing peptide (GRP). <i>Biochemical Pharmacology</i> , 2005 , 69, 579-93	6	17
32	During cooled storage the extender influences processed autophagy marker light chain 3 (LC3B) of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2014 , 145, 40-6	2.1	15
31	Canine pyometra: a study of the urinary proteins by SDS-PAGE and Western blot. <i>Theriogenology</i> , 2004 , 61, 1259-72	2.8	15
30	Dimethylformamide improves the in vitro characteristics of thawed stallion spermatozoa reducing sublethal damage. <i>Reproduction in Domestic Animals</i> , 2012 , 47, 995-1002	1.6	13
29	Resveratrol mobilizes Ca ²⁺ from intracellular stores and induces c-Jun N-terminal kinase activation in tumoral AR42J cells. <i>Molecular and Cellular Biochemistry</i> , 2012 , 362, 15-23	4.2	13

28	Effect of Hoechst 33342 on stallion spermatozoa incubated in KMT or Tyrodes modified INRA96. <i>Animal Reproduction Science</i> , 2012 , 131, 165-71	2.1	12
27	Identification and function of exchange proteins activated directly by cyclic AMP (Epac) in mammalian spermatozoa. <i>PLoS ONE</i> , 2012 , 7, e37713	3.7	12
26	The incorporation of cystine by the soluble carrier family 7 member 11 (SLC7A11) is a component of the redox regulatory mechanism in stallion spermatozoa. <i>Biology of Reproduction</i> , 2019 , 101, 208-222	3.9	11
25	Caspase activation, hydrogen peroxide production and Akt dephosphorylation occur during stallion sperm senescence. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 657-664	1.6	11
24	How Stallion Sperm Age In Vitro? Scenario for Preservation Technologies. <i>Journal of Equine Veterinary Science</i> , 2012 , 32, 451-454	1.2	11
23	Proteomic profiling of stallion spermatozoa suggests changes in sperm metabolism and compromised redox regulation after cryopreservation. <i>Journal of Proteomics</i> , 2020 , 221, 103765	3.9	10
22	Identification of apoptotic bodies in equine semen. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 254-62	1.6	10
21	Activation of Gab1 in pancreatic acinar cells: effects of gastrointestinal growth factors/hormones on stimulation, phosphospecific phosphorylation, translocation and interaction with downstream signaling molecules. <i>Cellular Signalling</i> , 2006 , 18, 942-54	4.9	10
20	Gastrointestinal hormones cause rapid c-Met receptor down-regulation by a novel mechanism involving clathrin-mediated endocytosis and a lysosome-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37705-19	5.4	10
19	Melatonin modulates red-ox state and decreases viability of rat pancreatic stellate cells. <i>Scientific Reports</i> , 2020 , 10, 6352	4.9	10
18	Consequences of butylated hydroxytoluene in the freezing extender on post-thaw characteristics of stallion spermatozoa in vitro. <i>Andrologia</i> , 2012 , 44 Suppl 1, 688-95	2.4	9
17	Activated caspases are present in frozen-thawed canine sperm and may be related to post thaw sperm quality. <i>Zygote</i> , 2009 , 17, 297-305	1.6	9
16	Cholecystokinin rapidly stimulates CrkII function in vivo in rat pancreatic acini. Formation of CrkII-protein complexes. <i>FEBS Journal</i> , 2003 , 270, 4706-13		8
15	Rosiglitazone in the thawing medium improves mitochondrial function in stallion spermatozoa through regulating Akt phosphorylation and reduction of caspase 3. <i>PLoS ONE</i> , 2019 , 14, e0211994	3.7	7
14	Effect of sodium nitroprusside and 8-bromo cyclic GMP on nerve-mediated and acetylcholine-evoked secretory responses in the rat pancreas. <i>British Journal of Pharmacology</i> , 2002 , 136, 49-56	8.6	7
13	Depletion of thiols leads to redox deregulation, production of 4-hydroxynonenal and sperm senescence: a possible role for GSH regulation in spermatozoa. <i>Biology of Reproduction</i> , 2019 , 100, 1090-1107	3.9	7
12	The SLC7A11: sperm mitochondrial function and non-canonical glutamate metabolism. <i>Reproduction</i> , 2020 , 160, 803-818	3.8	6
11	Ethanol consumption as inductor of pancreatitis. <i>World Journal of Gastrointestinal Pharmacology and Therapeutics</i> , 2010 , 1, 3-8	3	6

10	Melatonin modulates proliferation of pancreatic stellate cells through caspase-3 activation and changes in cyclin A and D expression. <i>Journal of Physiology and Biochemistry</i> , 2020 , 76, 345-355	5	5
9	Effect of Different Extenders and Seminal Plasma on the Susceptibility of Equine Spermatozoa to Lipid Peroxidation After Single-Layer Centrifugation, Through Androcoll-E. <i>Journal of Equine Veterinary Science</i> , 2011 , 31, 411-416	1.2	3
8	Tumor Necrosis Factor γ Phosphorylates c-Jun N-Terminal Kinase in Stallion Spermatozoa: Effect of Cryopreservation. <i>Journal of Equine Veterinary Science</i> , 2015 , 35, 206-212	1.2	2
7	Adapter protein CRKII signaling is involved in the rat pancreatic acini response to reactive oxygen species. <i>Journal of Cellular Biochemistry</i> , 2006 , 97, 359-67	4.7	2
6	Description of an automated method for the in vitro measurement of trypsinogen secretion from pancreatic segments. <i>Analytical Biochemistry</i> , 1995 , 232, 129-32	3.1	2
5	Effect of BAPTA-AM on Thawed Stallion Spermatozoa Extended in INRA 96 or TyrodeB Medium. <i>Journal of Equine Veterinary Science</i> , 2013 , 33, 622-627	1.2	1
4	Sperm Susceptibility to Oxidative Stress in the Retuertas Endangered Horse. <i>Journal of Equine Veterinary Science</i> , 2013 , 33, 962-968	1.2	1
3	Histamine-evoked potassium release in the mouse and guinea pig pancreas. <i>Pancreas</i> , 1996 , 12, 396-400	2.6	1
2	Proteins involved in mitochondrial metabolic functions and fertilization predominate in stallions with better motility. <i>Journal of Proteomics</i> , 2021 , 247, 104335	3.9	1
1	Apoptotic Events in Male Germ Cells and in Mature Mammalian Spermatozoa 2009 , 165-209		1