

Jose A Tapia

List of Publications by Year in descending order

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87
papers

7,990
citations

101384

36
h-index

58464

82
g-index

89
all docs

89
docs citations

89
times ranked

15772
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Detection of "Apoptosis-Like" Changes During the Cryopreservation Process in Equine Sperm. <i>Journal of Andrology</i> , 2008, 29, 213-221.	2.0	155
3	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.	1.1	146
4	Mitochondria in Mammalian Sperm Physiology and Pathology: A Review. <i>Reproduction in Domestic Animals</i> , 2009, 44, 345-349.	0.6	114
5	Dissecting the molecular damage to stallion spermatozoa: The way to improve current cryopreservation protocols?. <i>Theriogenology</i> , 2011, 76, 1177-1186.	0.9	111
6	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, 716-723.	2.0	105
7	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.	1.1	103
8	Inhibition of the mitochondrial permeability transition pore reduces "apoptosis like" changes during cryopreservation of stallion spermatozoa. <i>Theriogenology</i> , 2010, 74, 458-465.	0.9	94
9	Melatonin reduces lipid peroxidation and apoptotic-like changes in stallion spermatozoa. <i>Journal of Pineal Research</i> , 2011, 51, 172-179.	3.4	91
10	Toxicity of glycerol for the stallion spermatozoa: Effects on membrane integrity and cytoskeleton, lipid peroxidation and mitochondrial membrane potential. <i>Theriogenology</i> , 2012, 77, 1280-1289.	0.9	85
11	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.	1.6	83
12	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.	1.1	83
13	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.	1.1	79
14	Progress in developing cholecystokinin (CCK)/gastrin receptor ligands that have therapeutic potential. <i>Current Opinion in Pharmacology</i> , 2007, 7, 583-592.	1.7	73
15	Apoptotic markers can be used to forecast the freezeability of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2009, 114, 393-403.	0.5	73
16	Phosphorylated AKT preserves stallion sperm viability and motility by inhibiting caspases 3 and 7. <i>Reproduction</i> , 2014, 148, 221-235.	1.1	69
17	Effect of Cryopreservation on Nitric Oxide Production by Stallion Spermatozoa. <i>Biology of Reproduction</i> , 2009, 81, 1106-1111.	1.2	66
18	Identification of Sperm Subpopulations in Stallion Ejaculates: Changes after Cryopreservation and Comparison with Traditional Statistics. <i>Reproduction in Domestic Animals</i> , 2009, 44, 419-423.	0.6	65

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19	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.	0.5	63
20	Cholecystokinin Activates PYK2/CAK β 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, 31261-31271.	1.6	60
21	Cholecystokinin-stimulated Protein Kinase C- β Kinase Activation, Tyrosine Phosphorylation, and Translocation Are Mediated by Src Tyrosine Kinases in Pancreatic Acinar Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 35220-35230.	1.6	59
22	Porcine sperm motility is regulated by serine phosphorylation of the glycogen synthase kinase-3 β . <i>Reproduction</i> , 2007, 134, 435-444.	1.1	59
23	Membrane Lipids of the Stallion Spermatozoon in Relation to Sperm Quality and Susceptibility to Lipid Peroxidation. <i>Reproduction in Domestic Animals</i> , 2011, 46, 141-148.	0.6	59
24	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, 1239-1252.	1.2	57
25	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> , 1999, 1448, 486-499.	1.9	56
26	Melatonin reduces pancreatic tumor cell viability by altering mitochondrial physiology. <i>Journal of Pineal Research</i> , 2011, 50, 250-260.	3.4	56
27	Rottlerin inhibits stimulated enzymatic secretion and several intracellular signaling transduction pathways in pancreatic acinar cells by a non-PKC- β -dependent mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 25-38.	1.9	53
28	CCK causes PKD1 activation in pancreatic acini by signaling through PKC- β and PKC-independent pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 483-501.	1.9	52
29	The Membrane of the Mammalian Spermatozoa: Much More Than an Inert Envelope. <i>Reproduction in Domestic Animals</i> , 2012, 47, 65-75.	0.6	52
30	Freezing dog semen in presence of the antioxidant butylated hydroxytoluene improves postthaw sperm membrane integrity. <i>Theriogenology</i> , 2010, 73, 645-650.	0.9	50
31	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, 811-818.	0.9	48
32	Does the Microbial Flora in the Ejaculate Affect the Freezeability of Stallion Sperm?. <i>Reproduction in Domestic Animals</i> , 2009, 44, 518-522.	0.6	46
33	Single-layer Centrifugation Through Colloid Positively Modifies the Sperm Subpopulation Structure of Frozen-thawed Stallion Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009, 44, 523-526.	0.6	45
34	Determination of glutathione 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, 10-16.	0.9	42
35	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, 105-113.	2.0	42
36	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, 169-178.	0.1	34

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37	Sex sorting increases the permeability of the membrane of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2013, 138, 241-251.	0.5	33
38	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, 1182-1191.	1.3	33
39	CCKA Receptor Activation Stimulates p130Cas Tyrosine Phosphorylation, Translocation, and Association with Crk in Rat Pancreatic Acinar Cells. <i>Biochemistry</i> , 1999, 38, 1497-1508.	1.2	30
40	Phosphatidylinositol 3-kinase pathway regulates sperm viability but not capacitation on boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2007, 74, 1035-1042.	1.0	29
41	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, 356-365.	1.9	28
42	Gastrointestinal growth factors and hormones have divergent effects on Akt activation. <i>Cellular Signalling</i> , 2009, 21, 622-638.	1.7	28
43	Stallion spermatozoa surviving freezing and thawing experience membrane depolarization and increased intracellular Na ⁺ . <i>Andrology</i> , 2017, 5, 1174-1182.	1.9	28
44	SDS-PAGE and Western blot of urinary proteins in dogs with leishmaniasis. <i>Veterinary Research</i> , 2003, 34, 137-151.	1.1	27
45	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.	3.2	26
46	Proteomic profiling of stallion spermatozoa suggests changes in sperm metabolism and compromised redox regulation after cryopreservation. <i>Journal of Proteomics</i> , 2020, 221, 103765.	1.2	26
47	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, 579-593.	2.0	25
48	Freezing stallion semen with the new CÄceres extender improves post thaw sperm quality and diminishes stallion-to-stallion variability. <i>Animal Reproduction Science</i> , 2011, 127, 78-83.	0.5	25
49	Cholecystokinin-stimulated tyrosine phosphorylation of PKC-Î in pancreatic acinar cells is regulated bidirectionally by PKC activation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1593, 99-113.	1.9	23
50	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, 19008-19016.	1.6	23
51	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.	1.2	21
52	Canine pyometra: a study of the urinary proteins by SDS-PAGE and Western blot. <i>Theriogenology</i> , 2004, 61, 1259-1272.	0.9	19
53	Dimethylformamide Improves the In vitro Characteristics of Thawed Stallion Spermatozoa Reducing Sublethal Damage. <i>Reproduction in Domestic Animals</i> , 2012, 47, 995-1002.	0.6	18
54	During cooled storage the extender influences processed autophagy marker light chain 3 (LC3B) of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2014, 145, 40-46.	0.5	18

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55	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.	1.2	17
56	Identification and Function of Exchange Proteins Activated Directly by Cyclic AMP (Epac) in Mammalian Spermatozoa. <i>PLoS ONE</i> , 2012, 7, e37713.	1.1	17
57	Melatonin modulates red-ox state and decreases viability of rat pancreatic stellate cells. <i>Scientific Reports</i> , 2020, 10, 6352.	1.6	16
58	Identification of Apoptotic Bodies in Equine Semen. <i>Reproduction in Domestic Animals</i> , 2014, 49, 254-262.	0.6	15
59	Effect of Hoechst 33342 on stallion spermatozoa incubated in KMT or Tyrodes modified INRA96. <i>Animal Reproduction Science</i> , 2012, 131, 165-171.	0.5	14
60	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.	1.4	14
61	Caspase Activation, Hydrogen Peroxide Production and Akt Dephosphorylation Occur During Stallion Sperm Senescence. <i>Reproduction in Domestic Animals</i> , 2014, 49, 657-664.	0.6	14
62	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.	1.1	14
63	The SLC7A11: sperm mitochondrial function and non-canonical glutamate metabolism. <i>Reproduction</i> , 2020, 160, 803-818.	1.1	14
64	How Stallion Sperm Age In Vitro? Scenario for Preservation Technologies. <i>Journal of Equine Veterinary Science</i> , 2012, 32, 451-454.	0.4	13
65	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, 37705-37719.	1.6	12
66	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, 942-954.	1.7	11
67	Ethanol consumption as inductor of pancreatitis. <i>World Journal of Gastrointestinal Pharmacology and Therapeutics</i> , 2010, 1, 3.	0.6	11
68	Cholecystokinin rapidly stimulates Crkl function in vivo in rat pancreatic acini. <i>FEBS Journal</i> , 2003, 270, 4706-4713.	0.2	9
69	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.	0.5	9
70	Consequences of butylated hydroxytoluene in the freezing extender on post-thaw characteristics of stallion spermatozoa in vitro. <i>Andrologia</i> , 2012, 44, 688-695.	1.0	9
71	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.	2.7	8
72	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.	1.3	7

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73	Proteins involved in mitochondrial metabolic functions and fertilization predominate in stallions with better motility. <i>Journal of Proteomics</i> , 2021, 247, 104335.	1.2	5
74	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.	0.4	4
75	Description of an Automated Method for their Vitro Measurement of Trypsinogen Secretion from Pancreatic Segments. <i>Analytical Biochemistry</i> , 1995, 232, 129-132.	1.1	3
76	Adapter protein CRKII signaling is involved in the rat pancreatic acini response to reactive oxygen species. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 359-367.	1.2	3
77	Histamine-Evoked Potassium Release in the Mouse and Guinea Pig Pancreas. <i>Pancreas</i> , 1996, 12, 396-400.	0.5	2
78	Effect of BAPTA-AM on Thawed Stallion Spermatozoa Extended in INRA 96 or Tyrode's Medium. <i>Journal of Equine Veterinary Science</i> , 2013, 33, 622-627.	0.4	2
79	Tumor Necrosis Factor $\hat{I}\pm$ Phosphorylates c-Jun N-Terminal Kinase in Stallion Spermatozoa: Effect of Cryopreservation. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 206-212.	0.4	2
80	Rottlerin inhibits agonist-stimulated tyrosine phosphorylation (TyrP), MAPK activation, and amylase secretion by depleting intracellular ATP in rat pancreatic acinar cells. <i>Gastroenterology</i> , 2003, 124, A438.	0.6	1
81	Sperm Susceptibility to Oxidative Stress in the Retuertas Endangered Horse. <i>Journal of Equine Veterinary Science</i> , 2013, 33, 962-968.	0.4	1
82	Apoptotic Events in Male Germ Cells and in Mature Mammalian Spermatozoa. , 2009, , 165-209.		1
83	Stimulation of translocation and tyrosine phosphorylation of p130Cas in rat pancreatic acinar cells by cholecystokinin (CCK). <i>Gastroenterology</i> , 1998, 114, A457.	0.6	0
84	CCK stimulates tyrosine phosphorylation of Crk by a PKC-independent, CA2+ dependent mechanism in pancreatic acini. <i>Gastroenterology</i> , 2000, 118, A88.	0.6	0
85	Is CCK-mediated PKC- $\hat{I}\pm$ tyrosine phosphorylation or translocation necessary for its activation in pancreatic acini?. <i>Gastroenterology</i> , 2000, 118, A91.	0.6	0
86	Molecular basis of G protein-coupled receptor high affinity for gastrin-releasing peptide (GRP). <i>Gastroenterology</i> , 2003, 124, A469.	0.6	0
87	Changes in PKC and cytosolic calcium have differential effects in CCK-stimulated tyrosine phosphorylation (TyrP) of specific sites on focal adhesion kinases in pancreatic acini. <i>Gastroenterology</i> , 2003, 124, A438.	0.6	0