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List of Publications by Year in descending order

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87
papers

1,779
citations

218381

26
h-index

344852

36
g-index

87
all docs

87
docs citations

87
times ranked

2243
citing authors

#	ARTICLE	IF	CITATIONS
1	Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , 2005, 151, 159-165.	1.7	99
2	Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , 2004, 152, 255-263.	0.4	76
3	Efficacy of diphenyl diselenide against cerebral and pulmonary damage induced by cadmium in mice. <i>Toxicology Letters</i> , 2007, 173, 181-190.	0.4	63
4	Chronic Exposure to Low Doses of Mercury Impairs Sperm Quality and Induces Oxidative Stress in Rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 143-154.	1.1	58
5	Memory deficits and oxidative stress in cerebral ischemia/reperfusion: Neuroprotective role of physical exercise and green tea supplementation. <i>Neurobiology of Learning and Memory</i> , 2014, 114, 242-250.	1.0	53
6	Bis selenide alkene derivatives: A class of potential antioxidant and antinociceptive agents. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 83, 221-229.	1.3	50
7	Î³-Oryzanol protects against acute cadmium-induced oxidative damage in mice testes. <i>Food and Chemical Toxicology</i> , 2013, 55, 526-532.	1.8	50
8	Efficacy of 2,3-dimercapto-1-propanesulfonic acid (DMPS) and diphenyl diselenide on cadmium induced testicular damage in mice. <i>Food and Chemical Toxicology</i> , 2005, 43, 1723-1730.	1.8	48
9	Antinociceptive and anti-hypernociceptive effects of Se-phenyl thiazolidine-4-carboselenoate in mice. <i>European Journal of Pharmacology</i> , 2011, 668, 169-176.	1.7	41
10	Effect of heat stress on the survival and development of in vitro cultured bovine preantral follicles and on in vitro maturation of cumulus oocyte complex. <i>Theriogenology</i> , 2016, 86, 994-1003.	0.9	41
11	Apocynin Prevents Vascular Effects Caused by Chronic Exposure to Low Concentrations of Mercury. <i>PLoS ONE</i> , 2013, 8, e55806.	1.1	40
12	Sub-chronic administration of diphenyl diselenide potentiates cadmium-induced testicular damage in mice. <i>Reproductive Toxicology</i> , 2006, 22, 546-550.	1.3	37
13	<i>Tribulus terrestris</i> Protects against Male Reproductive Damage Induced by Cyclophosphamide in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	36
14	Anethole improves the in vitro development of isolated caprine secondary follicles. <i>Theriogenology</i> , 2017, 89, 226-234.	0.9	34
15	Green tea infusion improves cyclophosphamide-induced damage on male mice reproductive system. <i>Toxicology Reports</i> , 2015, 2, 252-260.	1.6	33
16	Interaction between metals and chelating agents affects glutamate binding on brain synaptic membranes. <i>Neurochemical Research</i> , 2003, 28, 1859-1865.	1.6	32
17	Cadmium inhibits Î-aminolevulinatase from rat lung in vitro: Interaction with chelating and antioxidant agents. <i>Chemico-Biological Interactions</i> , 2007, 165, 127-137.	1.7	32
18	Synthesis of 5-seleno-xylofuranosides. <i>Tetrahedron</i> , 2010, 66, 3441-3446.	1.0	32

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19	The periovulatory endocrine milieu affects the uterine redox environment in beef cows. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 39.	1.4	32
20	Cadmium exposure activates NADPH oxidase, renin-angiotensin system and cyclooxygenase 2 pathways in arteries, inducing hypertension and vascular damage. <i>Toxicology Letters</i> , 2020, 333, 80-89.	0.4	32
21	In Vitro Probiotic and Antioxidant Potential of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> LL95 and Its Effect in Mice Behaviour. <i>Nutrients</i> , 2019, 11, 901.	1.7	31
22	Effects of green tea and physical exercise on memory impairments associated with aging. <i>Neurochemistry International</i> , 2014, 78, 53-60.	1.9	30
23	Seleno- and Telluro-xylofuranosides attenuate Mn-induced toxicity in <i>C. elegans</i> via the DAF-16/FOXO pathway. <i>Food and Chemical Toxicology</i> , 2014, 64, 192-199.	1.8	29
24	Anethole reduces oxidative stress and improves in vitro survival and activation of primordial follicles. <i>Brazilian Journal of Medical and Biological Research</i> , 2018, 51, e7129.	0.7	29
25	Supplementation with different teas from <i>Camellia sinensis</i> prevents memory deficits and hippocampus oxidative stress in ischemia-reperfusion. <i>Neurochemistry International</i> , 2017, 108, 287-295.	1.9	28
26	Heavy Metals Modulate Glutamatergic System in Human Platelets. <i>Neurochemical Research</i> , 2007, 32, 953-958.	1.6	27
27	First pregnancy after in vitro culture of early antral follicles in goats: Positive effects of anethole on follicle development and steroidogenesis. <i>Molecular Reproduction and Development</i> , 2020, 87, 966-977.	1.0	27
28	Catalase addition to vitrification solutions maintains goat ovarian preantral follicles stability. <i>Research in Veterinary Science</i> , 2014, 97, 140-147.	0.9	26
29	Diphenyl diselenide prevents oxidative damage induced by cigarette smoke exposure in lung of rat pups. <i>Toxicology</i> , 2007, 230, 189-196.	2.0	25
30	High sucrose consumption potentiates the sub-acute cadmium effect on Na ⁺ /K ⁺ -ATPase but not on γ -aminolevulinic acid dehydratase in mice. <i>Toxicology Letters</i> , 2004, 153, 333-341.	0.4	24
31	FSH supplementation to culture medium is beneficial for activation and survival of preantral follicles enclosed in equine ovarian tissue. <i>Theriogenology</i> , 2016, 85, 1106-1112.	0.9	22
32	Ebselen attenuates cadmium-induced testicular damage in mice. <i>Journal of Applied Toxicology</i> , 2008, 28, 322-328.	1.4	21
33	Selenofuranoside Ameliorates Memory Loss in Alzheimer-Like Sporadic Dementia: AChE Activity, Oxidative Stress, and Inflammation Involvement. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-9.	1.9	21
34	Role of EGF on in situ culture of equine preantral follicles and metabolomics profile. <i>Research in Veterinary Science</i> , 2017, 115, 155-164.	0.9	20
35	Antioxidants and metallothionein levels in mercury-treated mice. <i>Cell Biology and Toxicology</i> , 2006, 22, 429-438.	2.4	19
36	Reduction of centrifugation force in discontinuous percoll gradients increases in vitro fertilization rates without reducing bovine sperm recovery. <i>Animal Reproduction Science</i> , 2014, 146, 103-110.	0.5	19

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37	Selenofuranoside improves long-term memory deficits in rats after exposure to monosodium glutamate: Involvement of Na ⁺ , K ⁺ -ATPase activity. <i>Physiology and Behavior</i> , 2018, 184, 27-33.	1.0	19
38	Insulin improves in vitro survival of equine preantral follicles enclosed in ovarian tissue and reduces reactive oxygen species production after culture. <i>Theriogenology</i> , 2016, 85, 1063-1069.	0.9	18
39	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1803.	0.1	18
40	Influence of follicle size on bovine oocyte lipid composition, follicular metabolic and stress markers, embryo development and blastocyst lipid content. <i>Reproduction, Fertility and Development</i> , 2019, 31, 462.	0.1	18
41	Cadmium inhibits the ovary γ -aminolevulinatase activity <i>in vitro</i> and <i>ex vivo</i> : protective role of selenofuranoside. <i>Journal of Applied Toxicology</i> , 2013, 33, 679-684.	1.4	17
42	Frozen and Fresh Ovarian Tissue Require Different Culture Media to Promote <i>in Vitro</i> Development of Bovine Preantral Follicles. <i>Biopreservation and Biobanking</i> , 2014, 12, 317-324.	0.5	17
43	Fresh and vitrified bovine preantral follicles have different nutritional requirements during <i>in vitro</i> culture. <i>Cell and Tissue Banking</i> , 2014, 15, 591-601.	0.5	16
44	Short-term green tea supplementation prevents recognition memory deficits and ameliorates hippocampal oxidative stress induced by different stroke models in rats. <i>Brain Research Bulletin</i> , 2017, 131, 78-84.	1.4	16
45	Silicon Reverses Lipid Peroxidation but not Acetylcholinesterase Activity Induced by Long-Term Exposure to Low Aluminum Levels in Rat Brain Regions. <i>Biological Trace Element Research</i> , 2016, 169, 77-85.	1.9	15
46	Blueberry (<i>Vaccinium ashei</i> Reade) extract ameliorates ovarian damage induced by subchronic cadmium exposure in mice: Potential γ -ALA involvement. <i>Environmental Toxicology</i> , 2017, 32, 188-196.	2.1	15
47	DMPS and N-acetylcysteine induced renal toxicity in mice exposed to mercury. <i>BioMetals</i> , 2006, 19, 389-398.	1.8	14
48	Involvement of non-enzymatic antioxidant defenses in the protective effect of diphenyl diselenide on testicular damage induced by cadmium in mice. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 324-333.	1.5	14
49	Catechins are not major components responsible for the beneficial effect of <i>Camellia sinensis</i> on the ovarian γ -ALA-D activity inhibited by cadmium. <i>Food and Chemical Toxicology</i> , 2013, 55, 463-469.	1.8	14
50	Physical exercise prevents motor disorders and striatal oxidative imbalance after cerebral ischemia-reperfusion. <i>Brazilian Journal of Medical and Biological Research</i> , 2015, 48, 798-804.	0.7	14
51	Cationic and anionic unloaded polymeric nanocapsules: Toxicological evaluation in rats shows low toxicity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 109014.	2.5	14
52	Anethole Supplementation During Oocyte Maturation Improves <i>In Vitro</i> Production of Bovine Embryos. <i>Reproductive Sciences</i> , 2020, 27, 1602-1608.	1.1	14
53	2,3-Dimercaptopropanol, 2,3-dimercaptopropane-1-sulfonic acid, and meso-2,3-dimercaptosuccinic acid inhibit γ -aminolevulinatase from human erythrocytes <i>in vitro</i> . <i>Environmental Research</i> , 2004, 94, 254-261.	3.7	13
54	2,3-Dimercaptopropanol, 2,3-dimercaptopropane-1-sulfonic acid and meso-2,3-dimercaptosuccinic acid increase lead-induced inhibition of γ -aminolevulinatase <i>in vitro</i> and <i>ex vivo</i> . <i>Toxicology in Vitro</i> , 2006, 20, 317-323.	1.1	13

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55	Catalase Prevents Lipid Peroxidation and Enhances Survival of Caprine Preantral Follicles Cryopreserved in a 1,2-Propanediol-Freezing Medium. <i>Biopreservation and Biobanking</i> , 2012, 10, 338-342.	0.5	13
56	Refining insulin concentrations in culture medium containing growth factors BMP15 and GDF9: An in vitro study of the effects on follicle development of goats. <i>Animal Reproduction Science</i> , 2017, 185, 118-127.	0.5	13
57	Effects of cafeteria diet on memory and hippocampal oxidative stress in a rat model of Alzheimer-like disease: Neuroprotection of green tea supplementation. <i>Journal of Functional Foods</i> , 2018, 49, 277-284.	1.6	13
58	Effect of Catalase or Alpha Lipoic Acid Supplementation in the Vitrification Solution of Ovine Ovarian Tissue. <i>Biopreservation and Biobanking</i> , 2018, 16, 258-269.	0.5	13
59	Comparative effect of <i>Camellia sinensis</i> teas on object recognition test deficit and metabolic changes induced by cafeteria diet. <i>Nutritional Neuroscience</i> , 2019, 22, 531-540.	1.5	12
60	Anethole improves blastocysts rates together with antioxidant capacity when added during bovine embryo culture rather than in the in vitro maturation medium. <i>Zygote</i> , 2019, 27, 382-385.	0.5	11
61	Supplementation of in vitro culture medium with FSH to grow follicles and mature oocytes can be replaced by extracts of <i>Justicia insularis</i> . <i>PLoS ONE</i> , 2018, 13, e0208760.	1.1	10
62	A subchronic low-dose exposure of a glyphosate-based herbicide induces depressive and anxious-like behavior in mice: quercetin therapeutic approach. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67394-67403.	2.7	10
63	Beneficial effects of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> LL95 treatment in an LPS-induced depression-like model in mice. <i>Behavioural Brain Research</i> , 2022, 426, 113847.	1.2	10
64	In vitro growth and development of isolated secondary follicles from vitrified caprine ovarian cortex. <i>Reproduction, Fertility and Development</i> , 2018, 30, 359.	0.1	9
65	Anti-inflammatory and Antioxidant Effects of Chlorophenylselenoesterol on TNBS-induced Inflammatory Bowel Disease in Mice. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 709-717.	1.2	8
66	Effect of quinine-loaded polysorbate-coated nanocapsules on male and female reproductive systems of rats. <i>Toxicology Research</i> , 2016, 5, 1561-1572.	0.9	7
67	Anethole Supplementation During Oocyte Maturation Improves In Vitro Production of Bovine Embryos. <i>Reproductive Sciences</i> , 2019, , 193371911983178.	1.1	7
68	Effect of β -oryzanol on testicular degeneration induced by scrotal insulation in rams. <i>Theriogenology</i> , 2019, 128, 167-175.	0.9	7
69	Ovarian transport temperature (4 vs 33 $^{\circ}$ C) impacts differently the in vitro development of isolated goat preantral and antral follicles. <i>Small Ruminant Research</i> , 2017, 155, 16-23.	0.6	6
70	Reduction in Percoll volume increases recovery rate of sex-sorted semen of bulls without affecting sperm quality and early embryonic development. <i>Animal Reproduction Science</i> , 2018, 192, 146-153.	0.5	5
71	Use of synthetic polymers improves the quality of vitrified caprine preantral follicles in the ovarian tissue. <i>Acta Histochemica</i> , 2020, 122, 151484.	0.9	5
72	Oxygen tension and oocyte density during in vitro maturation affect the in vitro fertilization of bovine oocytes. <i>Semina: Ciencias Agrarias</i> , 2015, 36, 4277.	0.1	4

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73	Egg white hydrolysate prevents reproductive impairments induced by cadmium in rats. <i>Journal of Functional Foods</i> , 2020, 67, 103823.	1.6	3
74	In Vitro Activation and Development of Goat Preantral Follicles Enclosed in Ovarian Tissue Co-cultured with Mesenchymal Stem Cells. <i>Reproductive Sciences</i> , 2021, 28, 1709-1717.	1.1	3
75	2,3-Dimercaptopropanol, 2,3-Dimercaptopropane-1-sulfonic Acid and meso-2,3-Dimercaptosuccinic Acid Acute Administration Differentially Change Biochemical Parameters in Mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96, 331-334.	1.2	2
76	Use of a colloid to optimize centrifugation in the selection of bovine sperm for IVF. <i>Semina:Ciencias Agrarias</i> , 2018, 39, 1607.	0.1	2
77	Oxygen tension and oocyte density during in vitro maturation affect the in vitro fertilization of bovine oocytes. <i>Semina:Ciencias Agrarias</i> , 2015, 36, 4277.	0.1	2
78	Powdered coconut water (ACP 406 ^Â) as an alternative base culture medium for in vitro culture of goat preantral follicles enclosed in ovarian tissue. <i>Animal Reproduction</i> , 2019, 16, 838-845.	0.4	2
79	Early ovine preantral follicles have a potential to grow until antral stage in two-step culture system in the presence of aqueous extract of <i>Justicia insularis</i> . <i>Reproduction in Domestic Animals</i> , 2019, 54, 1121-1130.	0.6	1
80	Protective role of <i>Syzygium cumini</i> leaf extracts against paraquat-induced oxidative stress in superoxide-dismutase-deficient <i>Saccharomyces cerevisiae</i> strains. <i>Acta Scientiarum - Biological Sciences</i> , 0, 41, e47139.	0.3	1
81	High concentrations of β -hydroxybutyrate alter the kinetics of bovine spermatozoa. <i>Andrologia</i> , 2021, 53, e14148.	1.0	1
82	Cushioned centrifugation during sperm selection increases the fertilization and cleavage rates of cattle embryos produced in vitro. <i>Animal Reproduction Science</i> , 2020, 219, 106508.	0.5	1
83	Platelet-derived growth factor-BB (PDGF-BB) improves follicular survival, oocyte and follicular diameters, in a dose-dependent manner, after the in vitro culture of goat preantral follicles enclosed in ovarian tissue fragments. <i>Animal Reproduction</i> , 2017, 14, 1095-1102.	0.4	1
84	<i>Justicia insularis</i> Improves the in vitro Survival and Development of Ovine Preantral Follicles Enclosed in Ovarian Tissue. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 5, .	0.1	1
85	Agentes quelantes sulfurados: uma revisÃ£o. <i>CiÃancia E Natura</i> , 2003, 25, 149.	0.0	0
86	Medium and time conservation affect follicular morphology and superoxide dismutase enzyme activity of bovine preantral follicles during storage at 4 ^Â C. <i>Semina:Ciencias Agrarias</i> , 2020, 41, 1227.	0.1	0
87	Immunotoxic Assessment of Rosemary Extract. <i>Revista Brasileira De Farmacognosia</i> , 2021, 31, 788-793.	0.6	0