Marco G Alves

List of Publications by Citations

196 papers	4,390 citations	36 h-index	56 g-index
214 ext. papers	5,396 ext. citations	4.8 avg, IF	5.83 L-index

#	Paper	IF	Citations
196	Metabolic regulation is important for spermatogenesis. *Nature Reviews Urology*, **2012**, 9, 330-8	5.5	233
195	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 626-35	6.9	143
194	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. *Cellular and Molecular Life Sciences*, **2013**, 70, 777-93	10.3	123
193	High-energy diets may induce a pre-diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. *Andrology*, **2013**, 1, 495-504	4.2	109
192	Diabetes-induced hyperglycemia impairs male reproductive function: a systematic review. *Human Reproduction Update*, **2018**, 24, 86-105	15.8	108
191	Pre-diabetes alters testicular PGC1-/SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 335-44	4.6	101
190	The Warburg effect revisited--lesson from the Sertoli cell. *Medicinal Research Reviews*, **2015**, 35, 126-51	14.4	96
189	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. *Tissue Barriers*, **2013**, 1, e23992	4.3	88
188	High-energy diets: a threat for male fertility?. *Obesity Reviews*, **2014**, 15, 996-1007	10.6	84
187	Effect of insulin deprivation on metabolism and metabolism-associated gene transcript levels of in vitro cultured human Sertoli cells. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 84-9	4	83
186	Structure-Bioactivity Relationships of Methylxanthines: Trying to Make Sense of All the Promises and the Drawbacks. *Molecules*, **2016**, 21,	4.8	80
185	Influence of 5-dihydrotestosterone and 17-estradiol on human Sertoli cells metabolism. *Journal of Developmental and Physical Disabilities*, **2011**, 34, e612-20		74
184	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells cultured in vitro. *Bioscience Reports*, **2012**, 32, 61-9	4.1	72
183	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. *Antioxidants*, **2019**, 8,	7.1	62
182	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2077-84	5.6	62
181	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17-estradiol and suppressed by insulin deprivation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2012**, 1823, 1389-94	4.9	58
180	Metformin and male reproduction: effects on Sertoli cell metabolism. *British Journal of Pharmacology*, **2014**, 171, 1033-42	8.6	57

179	Use of poly(DL-lactide-ε-caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly of the umbilical cord for promoting nerve regeneration in axonotmesis: in vitro and in vivo analysis. *Differentiation*, **2012**, 84, 355-65	3.5	57
178	Obesity, energy balance and spermatogenesis. *Reproduction*, **2017**, 153, R173-R185	3.8	56
177	White tea consumption restores sperm quality in prediabetic rats preventing testicular oxidative damage. *Reproductive BioMedicine Online*, **2015**, 31, 544-56	4	53
176	Leptin modulates human Sertoli cells acetate production and glycolytic profile: a novel mechanism of obesity-induced male infertility?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 1824-32	6.9	51
175	The progression from a lower to a higher invasive stage of bladder cancer is associated with severe alterations in glucose and pyruvate metabolism. *Experimental Cell Research*, **2015**, 335, 91-8	4.2	51
174	Dose-dependent effects of caffeine in human Sertoli cells metabolism and oxidative profile: relevance for male fertility. *Toxicology*, **2015**, 328, 12-20	4.4	51
173	Sertoli cell as a model in male reproductive toxicology: Advantages and disadvantages. *Journal of Applied Toxicology*, **2015**, 35, 870-83	4.1	50
172	Melatonin alters the glycolytic profile of Sertoli cells: implications for male fertility. *Molecular Human Reproduction*, **2014**, 20, 1067-76	4.4	48
171	Sperm glucose transport and metabolism in diabetic individuals. *Molecular and Cellular Endocrinology*, **2014**, 396, 37-45	4.4	46
170	Control of Sertoli cell metabolism by sex steroid hormones is mediated through modulation in glycolysis-related transporters and enzymes. *Cell and Tissue Research*, **2013**, 354, 861-8	4.2	45
169	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. *Neurotoxicity Research*, **2016**, 30, 345-66	4.3	41
168	White tea as a promising antioxidant medium additive for sperm storage at room temperature: a comparative study with green tea. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 608-17	5.7	41
167	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. *Reproductive Toxicology*, **2013**, 38, 81-8	3.4	41
166	Testosterone deficiency induced by progressive stages of diabetes mellitus impairs glucose metabolism and favors glycogenesis in mature rat Sertoli cells. *International Journal of Biochemistry and Cell Biology*, **2015**, 66, 1-10	5.6	40
165	Androgens enhance the glycolytic metabolism and lactate export in prostate cancer cells by modulating the expression of GLUT1, GLUT3, PFK, LDH and MCT4 genes. *Journal of Cancer Research and Clinical Oncology*, **2016**, 142, 5-16	4.9	38
164	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. *Current Pharmaceutical Design*, **2015**, 21, 3606-20	3.3	38
163	Testicular mitochondrial alterations in untreated streptozotocin-induced diabetic rats. *Mitochondrion*, **2009**, 9, 41-50	4.9	38
162	Regulation of apoptotic signaling pathways by 5α-dihydrotestosterone and 17β-estradiol in immature rat Sertoli cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 135, 15-23	5.1	36

161	Substrate selection in hearts subjected to ischemia/reperfusion: role of cardioplegic solutions and gender. *NMR in Biomedicine*, **2011**, 24, 1029-37	4.4	36
160	Fertility and Sperm Quality in the Aging Male. *Current Pharmaceutical Design*, **2017**, 23, 4429-4437	3.3	36
159	Sperm DNA Fragmentation: A New Guideline for Clinicians. *World Journal of Men?s Health*, **2020**, 38, 412-471	6.1	36
158	Mitochondrial involvement in cardiac apoptosis during ischemia and reperfusion: can we close the box?. *Cardiovascular Toxicology*, **2009**, 9, 211-27	3.4	35
157	Promising Potential of Dietary (Poly)Phenolic Compounds in the Prevention and Treatment of Diabetes Mellitus. *Current Medicinal Chemistry*, **2017**, 24, 334-354	4.3	35
156	Insulin therapy modulates mitochondrial dynamics and biogenesis, autophagy and tau protein phosphorylation in the brain of type 1 diabetic rats. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1154-66	6.9	34
155	Testicular Metabolic Reprogramming in Neonatal Streptozotocin-Induced Type 2 Diabetic Rats Impairs Glycolytic Flux and Promotes Glycogen Synthesis. *Journal of Diabetes Research*, **2015**, 2015, 973142	3.9	34
154	Male fertility and obesity: are ghrelin, leptin and glucagon-like peptide-1 pharmacologically relevant?. *Current Pharmaceutical Design*, **2016**, 22, 783-91	3.3	34
153	Impact of diabetes in blood-testis and blood-brain barriers: resemblances and differences. *Current Diabetes Reviews*, **2012**, 8, 401-12	2.7	30
152	Molecular Mechanisms and Signaling Pathways Involved in the Nutritional Support of Spermatogenesis by Sertoli Cells. *Methods in Molecular Biology*, **2018**, 1748, 129-155	1.4	29
151	Anti-obesity potential of natural methylxanthines. *Journal of Functional Foods*, **2018**, 43, 84-94	5.1	28
150	White tea intake prevents prediabetes-induced metabolic dysfunctions in testis and epididymis preserving sperm quality. *Journal of Nutritional Biochemistry*, **2016**, 37, 83-93	6.3	28
149	Ghrelin acts as energy status sensor of male reproduction by modulating Sertoli cells glycolytic metabolism and mitochondrial bioenergetics. *Molecular and Cellular Endocrinology*, **2016**, 434, 199-209	4.4	28
148	Emerging Role for Mammalian Target of Rapamycin in Male Fertility. *Trends in Endocrinology and Metabolism*, **2017**, 28, 165-167	8.8	27
147	Daily consumption of white tea (Camellia sinensis (L.)) improves the cerebral cortex metabolic and oxidative profile in prediabetic Wistar rats. *British Journal of Nutrition*, **2015**, 113, 832-42	3.6	27
146	White tea consumption improves cardiac glycolytic and oxidative profile of prediabetic rats. *Journal of Functional Foods*, **2015**, 14, 102-110	5.1	27
145	Senescence and declining reproductive potential: Insight into molecular mechanisms through testicular metabolomics. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 3388-3396	6.9	26
144	Pharmacological potential of methylxanthines: Retrospective analysis and future expectations. *Critical Reviews in Food Science and Nutrition*, **2019**, 59, 2597-2625	11.5	26

143	Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. *Molecular and Cellular Biochemistry*, **2014**, 394, 13-22	4.2	25
142	Physiology of na+/h+ exchangers in the male reproductive tract: relevance for male fertility. *Biology of Reproduction*, **2014**, 91, 11	3.9	25
141	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. *Critical Reviews in Biochemistry and Molecular Biology*, **2017**, 52, 235-253	8.7	24
140	Obesity and male hypogonadism: Tales of a vicious cycle. *Obesity Reviews*, **2019**, 20, 1148-1158	10.6	24
139	Effect of white tea (Camellia sinensis (L.)) extract in the glycolytic profile of Sertoli cell. *European Journal of Nutrition*, **2014**, 53, 1383-91	5.2	24
138	New insights on hormones and factors that modulate Sertoli cell metabolism. *Histology and Histopathology*, **2016**, 31, 499-513	1.4	24
137	A switch from high-fat to normal diet does not restore sperm quality but prevents metabolic syndrome. *Reproduction*, **2019**, 158, 377-387	3.8	24
136	Melatonin and male reproductive health: relevance of darkness and antioxidant properties. *Current Molecular Medicine*, **2015**, 15, 299-311	2.5	23
135	Metabolic cooperation in testis as a pharmacological target: from disease to contraception. *Current Molecular Pharmacology*, **2014**, 7, 83-95	3.7	23
134	Utility of Antioxidants in the Treatment of Male Infertility: Clinical Guidelines Based on a Systematic Review and Analysis of Evidence. *World Journal of Men?s Health*, **2021**, 39, 233-290	6.8	23
133	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. *Fertility and Sterility*, **2016**, 105, 825-833.e3	4.8	22
132	Pioglitazone increases the glycolytic efficiency of human Sertoli cells with possible implications for spermatogenesis. *International Journal of Biochemistry and Cell Biology*, **2016**, 79, 52-60	5.6	22
131	Aquaporin-9 is expressed in rat Sertoli cells and interacts with the cystic fibrosis transmembrane conductance regulator. *IUBMB Life*, **2014**, 66, 639-44	4.7	21
130	Insulin deprivation decreases caspase-dependent apoptotic signaling in cultured rat sertoli cells. *ISRN Urology*, **2013**, 2013, 970370		21
129	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. *Fertility and Sterility*, **2011**, 96, 745-50	4.8	21
128	Glycolysis Inhibition as a Strategy for Hepatocellular Carcinoma Treatment?. *Current Cancer Drug Targets*, **2019**, 19, 26-40	2.8	21
127	Hepatocyte and Sertoli Cell Aquaporins, Recent Advances and Research Trends. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	21
126	Aquaporin-4 as a molecular partner of cystic fibrosis transmembrane conductance regulator in rat Sertoli cells. *Biochemical and Biophysical Research Communications*, **2014**, 446, 1017-21	3.4	20

125	Obesogens and male fertility. *Obesity Reviews*, **2017**, 18, 109-125	10.6	20
124	Molecular basis of bicarbonate membrane transport in the male reproductive tract. *Current Medicinal Chemistry*, **2013**, 20, 4037-49	4.3	20
123	Estradiol modulates Na(+) -dependent HCO3 (-) transporters altering intracellular pH and ion transport in human Sertoli cells: A role on male fertility?. *Biology of the Cell*, **2016**, 108, 179-88	3.5	20
122	Molecular Mechanisms Controlled by mTOR in Male Reproductive System. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	19
121	Anti-apoptotic protection afforded by cardioplegic celsior and histidine buffer solutions to hearts subjected to ischemia and ischemia/reperfusion. *Journal of Cellular Biochemistry*, **2011**, 112, 3872-81	4.7	19
120	The Action of Polyphenols in Diabetes Mellitus and Alzheimer's Disease: A Common Agent for Overlapping Pathologies. *Current Neuropharmacology*, **2019**, 17, 590-613	7.6	19
119	Biochemical and metabolic effects of a short-term exposure to nanoparticles of titanium silicate in tadpoles of Pelophylax perezi (Seoane). *Aquatic Toxicology*, **2013**, 128-129, 190-2	5.1	18
118	Sodium hydrosulfide improves the protective potential of the cardioplegic histidine buffer solution. *European Journal of Pharmacology*, **2011**, 654, 60-7	5.3	18
117	Testicular Aging: An Overview of Ultrastructural, Cellular, and Molecular Alterations. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 860-871	6.4	18
116	pH and male fertility: making sense on pH homeodynamics throughout the male reproductive tract. *Cellular and Molecular Life Sciences*, **2019**, 76, 3783-3800	10.3	17
115	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. *General and Comparative Endocrinology*, **2014**, 201, 16-20	3	17
114	Restoration of direct pathway glycogen synthesis flux in the STZ-diabetes rat model by insulin administration. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 303, E875-85	6	17
113	Attenuation of monocrotaline-induced pulmonary arterial hypertension in rats by rosuvastatin. *Journal of Cardiovascular Pharmacology*, **2012**, 60, 219-26	3.1	17
112	The single and synergistic effects of the major tea components caffeine, epigallocatechin-3-gallate and L-theanine on rat sperm viability. *Food and Function*, **2016**, 7, 1301-5	6.1	16
111	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. *Cell and Tissue Research*, **2015**, 362, 431-40	4.2	16
110	Tea (Camellia sinensis (L.)): a putative anticancer agent in bladder carcinoma?. *Anti-Cancer Agents in Medicinal Chemistry*, **2015**, 15, 26-36	2.2	16
109	Sirtuins: Novel Players in Male Reproductive Health. *Current Medicinal Chemistry*, **2016**, 23, 1084-99	4.3	16
108	Impact of Metformin on Male Reproduction. *Current Pharmaceutical Design*, **2015**, 21, 3621-33	3.3	16

107	MAPK/ERK pathway inhibition is a promising treatment target for adrenocortical tumors. *Journal of Cellular Biochemistry*, **2019**, 120, 894-906	4.7	16
106	Estrogen Modulates Glycerol Permeability in Sertoli Cells through Downregulation of Aquaporin-9. *Cells*, **2018**, 7,	7.9	16
105	H-Ferritin is essential for macrophagesScapacity to store or detoxify exogenously added iron. *Scientific Reports*, **2020**, 10, 3061	4.9	15
104	Establishment of Primary Culture of Sertoli Cells. *Methods in Molecular Biology*, **2018**, 1748, 1-8	1.4	15
103	Improving anticancer activity towards colon cancer cells with a new p53-activating agent. *British Journal of Pharmacology*, **2018**, 175, 3947-3962	8.6	15
102	Evaluation of the Purity of Sertoli Cell Primary Cultures. *Methods in Molecular Biology*, **2018**, 1748, 9-15	1.4	14
101	Sperm parameters and epididymis function in transgenic rats overexpressing the Ca2+-binding protein regucalcin: a hidden role for Ca2+ in sperm maturation?. *Molecular Human Reproduction*, **2013**, 19, 581-9	4.4	14
100	Can Tea Consumption be a Safe and Effective Therapy Against Diabetes Mellitus-Induced Neurodegeneration?. *Current Neuropharmacology*, **2014**, 12, 475-89	7.6	14
99	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. *Current Chemical Biology*, **2014**, 7, 282-293	0.4	14
98	Carbonic anhydrases are involved in mitochondrial biogenesis and control the production of lactate by human Sertoli cells. *FEBS Journal*, **2019**, 286, 1393-1406	5.7	13
97	Effect of prediabetes on membrane bicarbonate transporters in testis and epididymis. *Journal of Membrane Biology*, **2013**, 246, 877-83	2.3	13
96	Aquaporins and male (in)fertility: Expression and role throughout the male reproductive tract. *Archives of Biochemistry and Biophysics*, **2020**, 679, 108222	4.1	13
95	Diet during early life defines testicular lipid content and sperm quality in adulthood. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 319, E1061-E1073	6	13
94	Implications of epigallocatechin-3-gallate in cultured human Sertoli cells glycolytic and oxidative profile. *Toxicology in Vitro*, **2017**, 41, 214-222	3.6	12
93	Transgenic overexpression of regucalcin leads to suppression of thapsigargin- and actinomycin D-induced apoptosis in the testis by modulation of apoptotic pathways. *Andrology*, **2014**, 2, 290-8	4.2	12
92	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. *Current Drug Targets*, **2015**, 16, 993-1006	3	12
91	Metabolic dynamics of human Sertoli cells are differentially modulated by physiological and pharmacological concentrations of GLP-1. *Toxicology and Applied Pharmacology*, **2019**, 362, 1-8	4.6	12
90	Impact of Environmental and Lifestyle Use of Chromium on Male Fertility: Focus on Antioxidant Activity and Oxidative Stress. *Antioxidants*, **2021**, 10,	7.1	12

89	Estrogenic regulation of bicarbonate transporters from SLC4 family in rat Sertoli cells. *Molecular and Cellular Biochemistry*, **2015**, 408, 47-54	4.2	11
88	Late-onset hypogonadism and lifestyle-related metabolic disorders. *Andrology*, **2020**, 8, 1530-1538	4.2	11
87	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. *Prostate*, **2014**, 74, 1189-98	4.2	11
86	A Global Survey of Reproductive Specialists to Determine the Clinical Utility of Oxidative Stress Testing and Antioxidant Use in Male Infertility. *World Journal of Men?s Health*, **2021**, 39, 470-488	6.8	11
85	L-Theanine promotes cultured human Sertoli cells proliferation and modulates glucose metabolism. *European Journal of Nutrition*, **2019**, 58, 2961-2970	5.2	10
84	Warburg Effect Inversion: Adiposity shifts central primary metabolism in MCF-7 breast cancer cells. *Life Sciences*, **2019**, 223, 38-46	6.8	10
83	The effects of the obesogen tributyltin on the metabolism of Sertoli cells cultured ex vivo. *Archives of Toxicology*, **2018**, 92, 601-610	5.8	10
82	IGF2 role in adrenocortical carcinoma biology. *Endocrine*, **2019**, 66, 326-337	4	10
81	Mitochondrial preservation in Celsior versus histidine buffer solution during cardiac ischemia and reperfusion. *Cardiovascular Toxicology*, **2009**, 9, 185-93	3.4	10
80	Gender-dependent metabolic remodeling during heart preservation in cardioplegic celsior and histidine buffer solution. *Journal of Cardiovascular Pharmacology*, **2012**, 59, 151-7	3.1	10
79	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. *Antioxidants*, **2020**, 9,	7.1	10
78	Expression of Estrogen Receptors Alpha (ER-[illegible]) Beta (ER-[illegible]) and G Protein-Coupled Receptor 30 (GPR30) in Testicular Tissue of Men with Klinefelter Syndrome. *Hormone and Metabolic Research*, **2016**, 48, 413-5	3.1	10
77	Expanded equine cumulus-oocyte complexes exhibit higher meiotic competence and lower glucose consumption than compact cumulus-oocyte complexes. *Reproduction, Fertility and Development*, **2018**, 30, 297-306	1.8	10
76	Glycerol and testicular activity: the good, the bad and the ugly. *Molecular Human Reproduction*, **2017**, 23, 725-737	4.4	9
75	Dehydroepiandrosterone and 7-oxo-dehydroepiandrosterone in male reproductive health: Implications of differential regulation of human Sertoli cells metabolic profile. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 154, 1-11	5.1	9
74	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. *Antioxidants and Redox Signaling*, **2020**,	8.4	9
73	Testicular lactate content is compromised in men with Klinefelter Syndrome. *Molecular Reproduction and Development*, **2016**, 83, 208-16	2.6	9
72	Emerging Potential of Natural Products as an Alternative Strategy to Pharmacological Agents Used Against Metabolic Disorders. *Current Drug Metabolism*, **2016**, 17, 582-97	3.5	9

71	Natural products as modulators of spermatogenesis: the search for a male contraceptive. *Current Molecular Pharmacology*, **2014**, 7, 154-66	3.7	9
70	Alterations in seminal plasma proteomic profile in men with primary and secondary infertility. *Scientific Reports*, **2020**, 10, 7539	4.9	9
69	Insights into leptin signaling and male reproductive health: the missing link between overweight and subfertility?. *Biochemical Journal*, **2018**, 475, 3535-3560	3.8	9
68	Sertoli Cell Metabolism and Spermatogenesis **2015**,		8
67	Novel Drug Therapies for Fertility Preservation in Men Undergoing Chemotherapy: Clinical Relevance of Protector Agents. *Current Medicinal Chemistry*, **2015**, 22, 3347-69	4.3	8
66	Inheritable testicular metabolic memory of high-fat diet causes transgenerational sperm defects in mice. *Scientific Reports*, **2021**, 11, 9444	4.9	8
65	Sperm selection strategies and their impact on assisted reproductive technology outcomes. *Andrologia*, **2021**, 53, e13725	2.4	8
64	Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimer's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
63	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. *BBA Clinical*, **2017**, 8, 1-6		7
62	Metabolic diseases affect male reproduction and induce signatures in gametes that may compromise the offspring health. *Environmental Epigenetics*, **2020**, 6, dvaa019	2.4	7
61	Knockout of insulin-degrading enzyme leads to mice testicular morphological changes and impaired sperm quality. *Molecular and Cellular Endocrinology*, **2019**, 486, 11-17	4.4	7
60	Effects of non-steroidal estrogen diethylstilbestrol on pH and ion transport in the mantle epithelium of a bivalve Anodonta cygnea. *Ecotoxicology and Environmental Safety*, **2013**, 97, 230-5	7	6
59	Caloric restriction alters the hormonal profile and testicular metabolome, resulting in alterations of sperm head morphology. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E33-E43	6	6
58	Lifestyle, metabolic disorders and male hypogonadism - A one-way ticket?. *Molecular and Cellular Endocrinology*, **2020**, 516, 110945	4.4	6
57	Aquaporins and (in)fertility: More than just water transport. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1867, 166039	6.9	6
56	Mitochondrial Pathophysiology on Chronic Kidney Disease.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
55	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. *Animals*, **2020**, 10,	3.1	5
54	Role of Reactive Oxygen Species in Diabetes-Induced Male Reproductive Dysfunction **2019**, 135-147		5

53	Different Malabsorptive Obesity Surgery Interventions Result in Distinct Postprandial Amino Acid Metabolomic Signatures. *Obesity Surgery*, **2020**, 30, 4019-4028	3.7	4
52	DNA fragmentation in canine oocytes after in vitro maturation in TCM-199 medium supplemented with different proteins. *Theriogenology*, **2011**, 76, 1304-12	2.8	4
51	Pesticides and Male Fertility: A Dangerous Crosstalk.. *Metabolites*, **2021**, 11,	5.6	4
50	Mitochondrial Uncoupling Proteins (UCPs) as Key Modulators of ROS Homeostasis: A Crosstalk between Diabesity and Male Infertility?. *Antioxidants*, **2021**, 10,	7.1	4
49	The Sertoli Cell at a Glance **2015**, 3-13		4
48	Gastric Bypass with Different Biliopancreatic Limb Lengths Results in Similar Post-absorptive Metabolomics Profiles. *Obesity Surgery*, **2020**, 30, 1068-1078	3.7	4
47	Molecular aspects of collagenolysis associated with stress urinary incontinence in women with urethral hypermobility vs intrinsic sphincter deficiency. *Neurourology and Urodynamics*, **2019**, 38, 1533-1539	2.3	3
46	Nutritional Factors and Male Reproduction **2018**, 458-464		3
45	2,4-Dichlorophenoxyacetic acid alters intracellular pH and ion transport in the outer mantle epithelium of the bivalve Anodonta cygnea. *Aquatic Toxicology*, **2014**, 154, 12-8	5.1	3
44	Sertoli Cell and Germ Cell Differentiation **2015**, 25-39		3
43	Technical-grade chlordane compromises rat Sertoli cells proliferation, viability and metabolic activity. *Toxicology in Vitro*, **2020**, 63, 104673	3.6	3
42	Targeting p53 for Melanoma Treatment: Counteracting Tumour Proliferation, Dissemination and Therapeutic Resistance. *Cancers*, **2021**, 13,	6.6	3
41	White Tea **2019**, 437-445		3
40	Relevance of Leukocytospermia and Semen Culture and Its True Place in Diagnosing and Treating Male Infertility. *World Journal of Men?s Health*, **2021**,	6.8	3
39	A Comprehensive Guide to Sperm Recovery in Infertile Men with Retrograde Ejaculation. *World Journal of Men?s Health*, **2021**,	6.8	3
38	An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic. *Andrologia*, **2021**, 53, e13961	2.4	3
37	Sperm Morphology Assessment in the Era of Intracytoplasmic Sperm Injection: Reliable Results Require Focus on Standardization, Quality Control, and Training. *World Journal of Men?s Health*, **2021**,	6.8	3
36	A new thiocyanoacetamide (2-cyano-2-p-nitrophenyl-N-benzylthioamide) reduces doxorubicin-induced in□vitro toxicity in Sertoli cells by decreasing apoptosis and autophagy. *Theriogenology*, **2019**, 140, 188-200	2.8	2

35	Data on metabolic profile of insulin-degrading enzyme knockout mice. *Data in Brief*, **2019**, 25, 104023	1.2	2
34	Knockout of MCT1 results in total absence of spermatozoa, sex hormones dysregulation, and morphological alterations in the testicular tissue. *Cell and Tissue Research*, **2019**, 378, 333-339	4.2	2
33	CFTR regulation of aquaporin-mediated water transport. *Vitamins and Hormones*, **2020**, 112, 163-177	2.5	2
32	A Stopped-Flow Light Scattering Methodology for Assessing the Osmotic Water Permeability of Whole Sertoli Cells. *Methods in Molecular Biology*, **2018**, 1748, 279-286	1.4	2
31	8-(3-phenylpropyl)-1,3,7-triethylxanthine is a synthetic caffeine substitute with stronger metabolic modulator activity. *Toxicology in Vitro*, **2018**, 53, 114-120	3.6	2
30	Assessment of Sertoli Cell Proliferation by 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide and Sulforhodamine B Assays. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2019**, 81, e85	1	2
29	Molecular mechanisms regulating spermatogenesis in vertebrates: Environmental, metabolic, and epigenetic factor effects. *Animal Reproduction Science*, **2021**, 106896	2.1	2
28	Sperm Maturation as a Possible Target of Obesogens. *Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry*, **2017**, 17,		2
27	Adipocyte Specific Signaling **2020**, 409-436		2
26	Distinct Proteomic Profile of Spermatozoa from Men with Seminomatous and Non-Seminomatous Testicular Germ Cell Tumors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
25	Antioxidants Present in Reproductive Tract Fluids and Their Relevance for Fertility. *Antioxidants*, **2021**, 10,	7.1	2
24	Insulin treatment to type 1 male diabetic rats protects fertility by avoiding testicular apoptosis and cell cycle arrest. *Gene*, **2021**, 799, 145847	3.8	2
23	Assessing Sertoli Cell Metabolic Activity. *Methods in Molecular Biology*, **2018**, 1748, 157-171	1.4	1
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