

Pedro Fontes Oliveira

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.

191
papers

4,552
citations

36
h-index

57
g-index

213
ext. papers

5,548
ext. citations

4.5
avg, IF

5.85
L-index

#	Paper	IF	Citations
191	Metabolic regulation is important for spermatogenesis. <i>Nature Reviews Urology</i> , 2012 , 9, 330-8	5.5	233
190	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 626-35	6.9	143
189	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 777-93	10.3	123
188	High-energy diets may induce a pre-diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. <i>Andrology</i> , 2013 , 1, 495-504	4.2	109
187	Diabetes-induced hyperglycemia impairs male reproductive function: a systematic review. <i>Human Reproduction Update</i> , 2018 , 24, 86-105	15.8	108
186	The role of PD-L1 expression as a predictive biomarker in advanced non-small-cell lung cancer: a network meta-analysis. <i>Immunotherapy</i> , 2016 , 8, 479-88	3.8	105
185	Pre-diabetes alters testicular PGC1- α /SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 335-44	4.6	101
184	The Warburg effect revisited--lesson from the Sertoli cell. <i>Medicinal Research Reviews</i> , 2015 , 35, 126-51	14.4	96
183	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. <i>Tissue Barriers</i> , 2013 , 1, e23992	4.3	88
182	High-energy diets: a threat for male fertility?. <i>Obesity Reviews</i> , 2014 , 15, 996-1007	10.6	84
181	Effect of insulin deprivation on metabolism and metabolism-associated gene transcript levels of in vitro cultured human Sertoli cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 84-9	4	83
180	Structure-Bioactivity Relationships of Methylxanthines: Trying to Make Sense of All the Promises and the Drawbacks. <i>Molecules</i> , 2016 , 21,	4.8	80
179	Tubular fluid secretion in the seminiferous epithelium: ion transporters and aquaporins in Sertoli cells. <i>Journal of Membrane Biology</i> , 2010 , 236, 215-24	2.3	76
178	Influence of 5 α -dihydrotestosterone and 17 β -estradiol on human Sertoli cells metabolism. <i>Journal of Developmental and Physical Disabilities</i> , 2011 , 34, e612-20		74
177	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells cultured in vitro. <i>Bioscience Reports</i> , 2012 , 32, 61-9	4.1	72
176	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. <i>Antioxidants</i> , 2019 , 8,	7.1	62
175	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 2077-84	5.6	62

174	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17 β -estradiol and suppressed by insulin deprivation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1389-94	4.9	58
173	Metformin and male reproduction: effects on Sertoli cell metabolism. <i>British Journal of Pharmacology</i> , 2014 , 171, 1033-42	8.6	57
172	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. <i>Differentiation</i> , 2012 , 84, 355-65	3.5	57
171	Obesity, energy balance and spermatogenesis. <i>Reproduction</i> , 2017 , 153, R173-R185	3.8	56
170	White tea consumption restores sperm quality in prediabetic rats preventing testicular oxidative damage. <i>Reproductive BioMedicine Online</i> , 2015 , 31, 544-56	4	53
169	Leptin modulates human Sertoli cells acetate production and glycolytic profile: a novel mechanism of obesity-induced male infertility?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1824-32	6.9	51
168	The progression from a lower to a higher invasive stage of bladder cancer is associated with severe alterations in glucose and pyruvate metabolism. <i>Experimental Cell Research</i> , 2015 , 335, 91-8	4.2	51
167	Dose-dependent effects of caffeine in human Sertoli cells metabolism and oxidative profile: relevance for male fertility. <i>Toxicology</i> , 2015 , 328, 12-20	4.4	51
166	Sertoli cell as a model in male reproductive toxicology: Advantages and disadvantages. <i>Journal of Applied Toxicology</i> , 2015 , 35, 870-83	4.1	50
165	Melatonin alters the glycolytic profile of Sertoli cells: implications for male fertility. <i>Molecular Human Reproduction</i> , 2014 , 20, 1067-76	4.4	48
164	Sperm glucose transport and metabolism in diabetic individuals. <i>Molecular and Cellular Endocrinology</i> , 2014 , 396, 37-45	4.4	46
163	Intracellular pH regulation in human Sertoli cells: role of membrane transporters. <i>Reproduction</i> , 2009 , 137, 353-9	3.8	46
162	Control of Sertoli cell metabolism by sex steroid hormones is mediated through modulation in glycolysis-related transporters and enzymes. <i>Cell and Tissue Research</i> , 2013 , 354, 861-8	4.2	45
161	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. <i>Neurotoxicity Research</i> , 2016 , 30, 345-66	4.3	41
160	White tea as a promising antioxidant medium additive for sperm storage at room temperature: a comparative study with green tea. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 608-17	5.7	41
159	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. <i>Reproductive Toxicology</i> , 2013 , 38, 81-8	3.4	41
158	Testosterone deficiency induced by progressive stages of diabetes mellitus impairs glucose metabolism and favors glycogenesis in mature rat Sertoli cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 66, 1-10	5.6	40
157	Androgens enhance the glycolytic metabolism and lactate export in prostate cancer cells by modulating the expression of GLUT1, GLUT3, PFK, LDH and MCT4 genes. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016 , 142, 5-16	4.9	38

156	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3606-20	3.3	38
155	Regulation of apoptotic signaling pathways by 5 α -dihydrotestosterone and 17 β -estradiol in immature rat Sertoli cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 135, 15-23	5.1	36
154	Fertility and Sperm Quality in the Aging Male. <i>Current Pharmaceutical Design</i> , 2017 , 23, 4429-4437	3.3	36
153	Promising Potential of Dietary (Poly)Phenolic Compounds in the Prevention and Treatment of Diabetes Mellitus. <i>Current Medicinal Chemistry</i> , 2017 , 24, 334-354	4.3	35
152	Insulin therapy modulates mitochondrial dynamics and biogenesis, autophagy and tau protein phosphorylation in the brain of type 1 diabetic rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1154-66	6.9	34
151	Testicular Metabolic Reprogramming in Neonatal Streptozotocin-Induced Type 2 Diabetic Rats Impairs Glycolytic Flux and Promotes Glycogen Synthesis. <i>Journal of Diabetes Research</i> , 2015 , 2015, 973142	3.9	34
150	Male fertility and obesity: are ghrelin, leptin and glucagon-like peptide-1 pharmacologically relevant?. <i>Current Pharmaceutical Design</i> , 2016 , 22, 783-91	3.3	34
149	Impact of diabetes in blood-testis and blood-brain barriers: resemblances and differences. <i>Current Diabetes Reviews</i> , 2012 , 8, 401-12	2.7	30
148	Molecular Mechanisms and Signaling Pathways Involved in the Nutritional Support of Spermatogenesis by Sertoli Cells. <i>Methods in Molecular Biology</i> , 2018 , 1748, 129-155	1.4	29
147	Anti-obesity potential of natural methylxanthines. <i>Journal of Functional Foods</i> , 2018 , 43, 84-94	5.1	28
146	White tea intake prevents prediabetes-induced metabolic dysfunctions in testis and epididymis preserving sperm quality. <i>Journal of Nutritional Biochemistry</i> , 2016 , 37, 83-93	6.3	28
145	Ghrelin acts as energy status sensor of male reproduction by modulating Sertoli cells glycolytic metabolism and mitochondrial bioenergetics. <i>Molecular and Cellular Endocrinology</i> , 2016 , 434, 199-209	4.4	28
144	A pooled analysis of nivolumab for the treatment of advanced non-small-cell lung cancer and the role of PD-L1 as a predictive biomarker. <i>Immunotherapy</i> , 2016 , 8, 1011-9	3.8	28
143	Emerging Role for Mammalian Target of Rapamycin in Male Fertility. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 165-167	8.8	27
142	Daily consumption of white tea (<i>Camellia sinensis</i> (L.)) improves the cerebral cortex metabolic and oxidative profile in prediabetic Wistar rats. <i>British Journal of Nutrition</i> , 2015 , 113, 832-42	3.6	27
141	White tea consumption improves cardiac glycolytic and oxidative profile of prediabetic rats. <i>Journal of Functional Foods</i> , 2015 , 14, 102-110	5.1	27
140	Membrane transporters and cytoplasmatic pH regulation on bovine Sertoli cells. <i>Journal of Membrane Biology</i> , 2009 , 227, 49-55	2.3	27
139	Canine Mammary Tumors: Comparison of Classification and Grading Methods in a Survival Study. <i>Veterinary Pathology</i> , 2019 , 56, 208-219	2.8	27

138	Senescence and declining reproductive potential: Insight into molecular mechanisms through testicular metabolomics. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3388-3396	6.9	26
137	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. <i>Reproduction</i> , 2011 , 142, 447-56	3.8	26
136	Pharmacological potential of methylxanthines: Retrospective analysis and future expectations. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, 2597-2625	11.5	26
135	Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. <i>Molecular and Cellular Biochemistry</i> , 2014 , 394, 13-22	4.2	25
134	Physiology of na ⁺ /h ⁺ exchangers in the male reproductive tract: relevance for male fertility. <i>Biology of Reproduction</i> , 2014 , 91, 11	3.9	25
133	Regucalcin, a calcium-binding protein with a role in male reproduction?. <i>Molecular Human Reproduction</i> , 2012 , 18, 161-70	4.4	25
132	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017 , 52, 235-253	8.7	24
131	Obesity and male hypogonadism: Tales of a vicious cycle. <i>Obesity Reviews</i> , 2019 , 20, 1148-1158	10.6	24
130	Estrogenic regulation of testicular expression of stem cell factor and c-kit: implications in germ cell survival and male fertility. <i>Fertility and Sterility</i> , 2014 , 102, 299-306	4.8	24
129	Effect of white tea (<i>Camellia sinensis</i> (L.)) extract in the glycolytic profile of Sertoli cell. <i>European Journal of Nutrition</i> , 2014 , 53, 1383-91	5.2	24
128	New insights on hormones and factors that modulate Sertoli cell metabolism. <i>Histology and Histopathology</i> , 2016 , 31, 499-513	1.4	24
127	A switch from high-fat to normal diet does not restore sperm quality but prevents metabolic syndrome. <i>Reproduction</i> , 2019 , 158, 377-387	3.8	24
126	Melatonin and male reproductive health: relevance of darkness and antioxidant properties. <i>Current Molecular Medicine</i> , 2015 , 15, 299-311	2.5	23
125	Metabolic cooperation in testis as a pharmacological target: from disease to contraception. <i>Current Molecular Pharmacology</i> , 2014 , 7, 83-95	3.7	23
124	Utility of Antioxidants in the Treatment of Male Infertility: Clinical Guidelines Based on a Systematic Review and Analysis of Evidence. <i>World Journal of Men's Health</i> , 2021 , 39, 233-290	6.8	23
123	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. <i>Fertility and Sterility</i> , 2016 , 105, 825-833.e3	4.8	22
122	Pioglitazone increases the glycolytic efficiency of human Sertoli cells with possible implications for spermatogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 79, 52-60	5.6	22
121	Aquaporin-9 is expressed in rat Sertoli cells and interacts with the cystic fibrosis transmembrane conductance regulator. <i>IUBMB Life</i> , 2014 , 66, 639-44	4.7	21

120	Insulin deprivation decreases caspase-dependent apoptotic signaling in cultured rat sertoli cells. <i>ISRN Urology</i> , 2013 , 2013, 970370		21
119	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. <i>Fertility and Sterility</i> , 2011 , 96, 745-50	4.8	21
118	Glycolysis Inhibition as a Strategy for Hepatocellular Carcinoma Treatment?. <i>Current Cancer Drug Targets</i> , 2019 , 19, 26-40	2.8	21
117	Hepatocyte and Sertoli Cell Aquaporins, Recent Advances and Research Trends. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	21
116	Aquaporin-4 as a molecular partner of cystic fibrosis transmembrane conductance regulator in rat Sertoli cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 1017-21	3.4	20
115	Obesogens and male fertility. <i>Obesity Reviews</i> , 2017 , 18, 109-125	10.6	20
114	Molecular basis of bicarbonate membrane transport in the male reproductive tract. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4037-49	4.3	20
113	Estradiol modulates Na(+)-dependent HCO ₃ ⁻ transporters altering intracellular pH and ion transport in human Sertoli cells: A role on male fertility?. <i>Biology of the Cell</i> , 2016 , 108, 179-88	3.5	20
112	Molecular Mechanisms Controlled by mTOR in Male Reproductive System. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	19
111	The Action of Polyphenols in Diabetes Mellitus and Alzheimer's Disease: A Common Agent for Overlapping Pathologies. <i>Current Neuropharmacology</i> , 2019 , 17, 590-613	7.6	19
110	Testicular Aging: An Overview of Ultrastructural, Cellular, and Molecular Alterations. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 860-871	6.4	18
109	pH and male fertility: making sense on pH homeodynamics throughout the male reproductive tract. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 3783-3800	10.3	17
108	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. <i>General and Comparative Endocrinology</i> , 2014 , 201, 16-20	3	17
107	Protein families, natural history and biotechnological aspects of spider silk. <i>Genetics and Molecular Research</i> , 2012 , 11, 2360-80	1.2	17
106	The single and synergistic effects of the major tea components caffeine, epigallocatechin-3-gallate and L-theanine on rat sperm viability. <i>Food and Function</i> , 2016 , 7, 1301-5	6.1	16
105	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. <i>Cell and Tissue Research</i> , 2015 , 362, 431-40	4.2	16
104	Tea (<i>Camellia sinensis</i> (L.)): a putative anticancer agent in bladder carcinoma?. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015 , 15, 26-36	2.2	16
103	Sirtuins: Novel Players in Male Reproductive Health. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1084-99	4.3	16

102	Impact of Metformin on Male Reproduction. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3621-33	3.3	16
101	MAPK/ERK pathway inhibition is a promising treatment target for adrenocortical tumors. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 894-906	4.7	16
100	Estrogen Modulates Glycerol Permeability in Sertoli Cells through Downregulation of Aquaporin-9. <i>Cells</i> , 2018 , 7,	7.9	16
99	H-Ferritin is essential for macrophagesScapacity to store or detoxify exogenously added iron. <i>Scientific Reports</i> , 2020 , 10, 3061	4.9	15
98	Establishment of Primary Culture of Sertoli Cells. <i>Methods in Molecular Biology</i> , 2018 , 1748, 1-8	1.4	15
97	Evaluation of the Purity of Sertoli Cell Primary Cultures. <i>Methods in Molecular Biology</i> , 2018 , 1748, 9-15	1.4	14
96	Sperm parameters and epididymis function in transgenic rats overexpressing the Ca ²⁺ -binding protein regucalcin: a hidden role for Ca ²⁺ in sperm maturation?. <i>Molecular Human Reproduction</i> , 2013 , 19, 581-9	4.4	14
95	H ⁺ -ATPase of crude homogenate of the outer mantle epithelium of <i>Anodonta cygnea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004 , 139, 425-32	2.6	14
94	Can Tea Consumption be a Safe and Effective Therapy Against Diabetes Mellitus-Induced Neurodegeneration?. <i>Current Neuropharmacology</i> , 2014 , 12, 475-89	7.6	14
93	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. <i>Current Chemical Biology</i> , 2014 , 7, 282-293	0.4	14
92	Carbonic anhydrases are involved in mitochondrial biogenesis and control the production of lactate by human Sertoli cells. <i>FEBS Journal</i> , 2019 , 286, 1393-1406	5.7	13
91	Effect of prediabetes on membrane bicarbonate transporters in testis and epididymis. <i>Journal of Membrane Biology</i> , 2013 , 246, 877-83	2.3	13
90	Na ⁺ -K ⁺ ATPase in outer mantle epithelium of <i>Anodonta cygnea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1999 , 122, 337-340	2.6	13
89	Aquaporins and male (in)fertility: Expression and role throughout the male reproductive tract. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 679, 108222	4.1	13
88	Diet during early life defines testicular lipid content and sperm quality in adulthood. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 319, E1061-E1073	6	13
87	Implications of epigallocatechin-3-gallate in cultured human Sertoli cells glycolytic and oxidative profile. <i>Toxicology in Vitro</i> , 2017 , 41, 214-222	3.6	12
86	Transgenic overexpression of regucalcin leads to suppression of thapsigargin- and actinomycin D-induced apoptosis in the testis by modulation of apoptotic pathways. <i>Andrology</i> , 2014 , 2, 290-8	4.2	12
85	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. <i>Current Drug Targets</i> , 2015 , 16, 993-1006	3	12

84	Metabolic dynamics of human Sertoli cells are differentially modulated by physiological and pharmacological concentrations of GLP-1. <i>Toxicology and Applied Pharmacology</i> , 2019 , 362, 1-8	4.6	12
83	Impact of Environmental and Lifestyle Use of Chromium on Male Fertility: Focus on Antioxidant Activity and Oxidative Stress. <i>Antioxidants</i> , 2021 , 10,	7.1	12
82	Estrogenic regulation of bicarbonate transporters from SLC4 family in rat Sertoli cells. <i>Molecular and Cellular Biochemistry</i> , 2015 , 408, 47-54	4.2	11
81	Late-onset hypogonadism and lifestyle-related metabolic disorders. <i>Andrology</i> , 2020 , 8, 1530-1538	4.2	11
80	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. <i>Prostate</i> , 2014 , 74, 1189-98	4.2	11
79	L-Theanine promotes cultured human Sertoli cells proliferation and modulates glucose metabolism. <i>European Journal of Nutrition</i> , 2019 , 58, 2961-2970	5.2	10
78	Warburg Effect Inversion: Adiposity shifts central primary metabolism in MCF-7 breast cancer cells. <i>Life Sciences</i> , 2019 , 223, 38-46	6.8	10
77	The effects of the obesogen tributyltin on the metabolism of Sertoli cells cultured ex vivo. <i>Archives of Toxicology</i> , 2018 , 92, 601-610	5.8	10
76	IGF2 role in adrenocortical carcinoma biology. <i>Endocrine</i> , 2019 , 66, 326-337	4	10
75	Gender-dependent metabolic remodeling during heart preservation in cardioplegic celsior and histidine buffer solution. <i>Journal of Cardiovascular Pharmacology</i> , 2012 , 59, 151-7	3.1	10
74	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. <i>Antioxidants</i> , 2020 , 9,	7.1	10
73	Expression of Estrogen Receptors Alpha (ER- α) Beta (ER- β) and G Protein-Coupled Receptor 30 (GPR30) in Testicular Tissue of Men with Klinefelter Syndrome. <i>Hormone and Metabolic Research</i> , 2016 , 48, 413-5	3.1	10
72	Expanded equine cumulus-oocyte complexes exhibit higher meiotic competence and lower glucose consumption than compact cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 297-306	1.8	10
71	Glycerol and testicular activity: the good, the bad and the ugly. <i>Molecular Human Reproduction</i> , 2017 , 23, 725-737	4.4	9
70	Dehydroepiandrosterone and 7-oxo-dehydroepiandrosterone in male reproductive health: Implications of differential regulation of human Sertoli cells metabolic profile. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 154, 1-11	5.1	9
69	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2020 ,	8.4	9
68	Testicular lactate content is compromised in men with Klinefelter Syndrome. <i>Molecular Reproduction and Development</i> , 2016 , 83, 208-16	2.6	9
67	Emerging Potential of Natural Products as an Alternative Strategy to Pharmacological Agents Used Against Metabolic Disorders. <i>Current Drug Metabolism</i> , 2016 , 17, 582-97	3.5	9

66	Natural products as modulators of spermatogenesis: the search for a male contraceptive. <i>Current Molecular Pharmacology</i> , 2014 , 7, 154-66	3.7	9
65	Insights into leptin signaling and male reproductive health: the missing link between overweight and subfertility?. <i>Biochemical Journal</i> , 2018 , 475, 3535-3560	3.8	9
64	Sertoli Cell Metabolism and Spermatogenesis 2015 ,		8
63	Novel Drug Therapies for Fertility Preservation in Men Undergoing Chemotherapy: Clinical Relevance of Protector Agents. <i>Current Medicinal Chemistry</i> , 2015 , 22, 3347-69	4.3	8
62	Inheritable testicular metabolic memory of high-fat diet causes transgenerational sperm defects in mice. <i>Scientific Reports</i> , 2021 , 11, 9444	4.9	8
61	Sperm selection strategies and their impact on assisted reproductive technology outcomes. <i>Andrologia</i> , 2021 , 53, e13725	2.4	8
60	Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
59	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. <i>BBA Clinical</i> , 2017 , 8, 1-6		7
58	Metabolic diseases affect male reproduction and induce signatures in gametes that may compromise the offspring health. <i>Environmental Epigenetics</i> , 2020 , 6, dvaa019	2.4	7
57	mTOR Signaling Pathway Regulates Sperm Quality in Older Men. <i>Cells</i> , 2019 , 8,	7.9	7
56	Identification of a V-type proton pump in the outer mantle epithelium of <i>Anodonta cygnea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1999 , 123, 337-342	2.6	7
55	Knockout of insulin-degrading enzyme leads to mice testicular morphological changes and impaired sperm quality. <i>Molecular and Cellular Endocrinology</i> , 2019 , 486, 11-17	4.4	7
54	Shedding light into the relevance of telomeres in human reproduction and male factor infertility. <i>Biology of Reproduction</i> , 2019 , 100, 318-330	3.9	7
53	Definitive chemoradiotherapy for squamous head and neck cancer: cisplatin versus carboplatin? A meta-analysis. <i>Future Oncology</i> , 2016 , 12, 2755-2764	3.6	6
52	Effects of non-steroidal estrogen diethylstilbestrol on pH and ion transport in the mantle epithelium of a bivalve <i>Anodonta cygnea</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013 , 97, 230-5	7	6
51	Caloric restriction alters the hormonal profile and testicular metabolome, resulting in alterations of sperm head morphology. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E33-E43	6	6
50	Lifestyle, metabolic disorders and male hypogonadism - A one-way ticket?. <i>Molecular and Cellular Endocrinology</i> , 2020 , 516, 110945	4.4	6
49	Aquaporins and (in)fertility: More than just water transport. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166039	6.9	6

48	Use of antioxidant could ameliorate the negative impact of etoposide on human sperm DNA during chemotherapy. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 856-866	4	5
47	Mitochondrial Pathophysiology on Chronic Kidney Disease.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
46	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. <i>Animals</i> , 2020 , 10,	3.1	5
45	Role of Reactive Oxygen Species in Diabetes-Induced Male Reproductive Dysfunction 2019 , 135-147		5
44	Different Malabsorptive Obesity Surgery Interventions Result in Distinct Postprandial Amino Acid Metabolomic Signatures. <i>Obesity Surgery</i> , 2020 , 30, 4019-4028	3.7	4
43	Pesticides and Male Fertility: A Dangerous Crosstalk.. <i>Metabolites</i> , 2021 , 11,	5.6	4
42	Mitochondrial Uncoupling Proteins (UCPs) as Key Modulators of ROS Homeostasis: A Crosstalk between Diabetes and Male Infertility?. <i>Antioxidants</i> , 2021 , 10,	7.1	4
41	The Sertoli Cell at a Glance 2015 , 3-13		4
40	Gastric Bypass with Different Biliopancreatic Limb Lengths Results in Similar Post-absorptive Metabolomics Profiles. <i>Obesity Surgery</i> , 2020 , 30, 1068-1078	3.7	4
39	Molecular aspects of collagenolysis associated with stress urinary incontinence in women with urethral hypermobility vs intrinsic sphincter deficiency. <i>Neurourology and Urodynamics</i> , 2019 , 38, 1533-1539	2.3	3
38	Nutritional Factors and Male Reproduction 2018 , 458-464		3
37	2,4-Dichlorophenoxyacetic acid alters intracellular pH and ion transport in the outer mantle epithelium of the bivalve <i>Anodonta cygnea</i> . <i>Aquatic Toxicology</i> , 2014 , 154, 12-8	5.1	3
36	A mathematical model of the proton balance in the outer mantle epithelium of <i>Anodonta cygnea</i> L. <i>Journal of Membrane Biology</i> , 2008 , 223, 59-72	2.3	3
35	Sertoli Cell and Germ Cell Differentiation 2015 , 25-39		3
34	Technical-grade chlordane compromises rat Sertoli cells proliferation, viability and metabolic activity. <i>Toxicology in Vitro</i> , 2020 , 63, 104673	3.6	3
33	White Tea 2019 , 437-445		3
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