

Pedro Fontes Oliveira

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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	Mitochondrial Pathophysiology on Chronic Kidney Disease.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
190	Hyperoside Supplementation in Preservation Media Surpasses Vitamin C Protection Against Oxidative Stress-Induced Damages in Human Spermatozoa.. <i>Cellular Physiology and Biochemistry</i> , 2022 , 56, 1-23	3.9	1
189	Pregnancy Achievement by Medical Assisted Reproduction Is Correlated to the G Protein-Coupled Receptor 30 mRNA Abundance in Human Spermatozoa. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3240	2.6	
188	Exenatide and Dapagliflozin Combination Enhances Sertoli Cell Secretion of Key Metabolites for Spermatogenesis. <i>Biomedicines</i> , 2022 , 10, 1115	4.8	0
187	Inherited Metabolic Memory of High-fat Diet Impairs Testicular Fatty Acid Content and Sperm Parameters.. <i>Molecular Nutrition and Food Research</i> , 2021 , e2100680	5.9	0
186	High-Fat Diet Promotes a Pro-Inflammatory Environment in Testis and Inhibits Antioxidant Defenses in the Progeny. <i>Medical Sciences Forum</i> , 2021 , 2, 20		
185	Pesticides and Male Fertility: A Dangerous Crosstalk.. <i>Metabolites</i> , 2021 , 11,	5.6	4
184	Molecular mechanisms regulating spermatogenesis in vertebrates: Environmental, metabolic, and epigenetic factor effects. <i>Animal Reproduction Science</i> , 2021 , 106896	2.1	2
183	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
182	Obesity-related genes are expressed in human Sertoli cells and modulated by energy homeostasis regulating hormones. <i>Journal of Cellular Physiology</i> , 2021 , 236, 5265-5277	7	1
181	Effect of Leptin in Human Sertoli Cells Mitochondrial Physiology. <i>Reproductive Sciences</i> , 2021 , 28, 920-934	3	1
180	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
179	Inheritable testicular metabolic memory of high-fat diet causes transgenerational sperm defects in mice. <i>Scientific Reports</i> , 2021 , 11, 9444	4.9	8
178	Expression of obesity-related genes in human spermatozoa affects the outcomes of reproductive treatments.. <i>F&S Science</i> , 2021 , 2, 164-175	0.4	1
177	Visceral Adipose Tissue Displays Unique Metabolomic Fingerprints in Obesity, Pre-Diabetes and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
176	Plasmatic Oxidative and Metabonomic Profile of Patients with Different Degrees of Biliary Acute Pancreatitis Severity. <i>Antioxidants</i> , 2021 , 10,	7.1	1
175	Sperm selection strategies and their impact on assisted reproductive technology outcomes. <i>Andrologia</i> , 2021 , 53, e13725	2.4	8

174	New evidences of ubiquitin-proteasome system activity in human sperm. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 118932	4.9	
173	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
172	An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic. <i>Andrologia</i> , 2021 , 53, e13961	2.4	3
171	Sperm, metabolic memory and echoes from Lamarck. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13492	4.6	1
170	Is Technical-Grade Chlordane an Obesogen?. <i>Current Medicinal Chemistry</i> , 2021 , 28, 548-568	4.3	1
169	Lung branching morphogenesis is accompanied by temporal metabolic changes towards a glycolytic preference. <i>Cell and Bioscience</i> , 2021 , 11, 134	9.8	1
168	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
167	Antioxidants Present in Reproductive Tract Fluids and Their Relevance for Fertility. <i>Antioxidants</i> , 2021 , 10,	7.1	2
166	Insights and clinical potential of proteomics in understanding spermatogenesis. <i>Expert Review of Proteomics</i> , 2021 , 18, 13-25	4.2	1
165	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
164	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
163	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
162	Different Malabsorptive Obesity Surgery Interventions Result in Distinct Postprandial Amino Acid Metabolomic Signatures. <i>Obesity Surgery</i> , 2020 , 30, 4019-4028	3.7	4
161	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
160	CFTR regulation of aquaporin-mediated water transport. <i>Vitamins and Hormones</i> , 2020 , 112, 163-177	2.5	2
159	H-Ferritin is essential for macrophages' capacity to store or detoxify exogenously added iron. <i>Scientific Reports</i> , 2020 , 10, 3061	4.9	15
158	Late-onset hypogonadism and lifestyle-related metabolic disorders. <i>Andrology</i> , 2020 , 8, 1530-1538	4.2	11
157	Adipocyte Specific Signaling 2020 , 409-436		2

156	Technical-grade chlordane compromises rat Sertoli cells proliferation, viability and metabolic activity. <i>Toxicology in Vitro</i> , 2020 , 63, 104673	3.6	3
155	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
154	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
153	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
152	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
151	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. <i>Animals</i> , 2020 , 10,	3.1	5
150	Discordance between human sperm quality and telomere length following differential gradient separation/swim-up. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 2581-2603	3.4	1
149	Lifestyle, metabolic disorders and male hypogonadism - A one-way ticket?. <i>Molecular and Cellular Endocrinology</i> , 2020 , 516, 110945	4.4	6
148	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. <i>Antioxidants</i> , 2020 , 9,	7.1	10
147	A new thiocyanacetamide (2-cyano-2-p-nitrophenyl-N-benzylthioamide) reduces doxorubicin-induced in vitro toxicity in Sertoli cells by decreasing apoptosis and autophagy. <i>Theriogenology</i> , 2019 , 140, 188-200	2.8	2
146	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
145	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
144	Data on metabolic profile of insulin-degrading enzyme knockout mice. <i>Data in Brief</i> , 2019 , 25, 104023	1.2	2
143	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
142	Knockout of MCT1 results in total absence of spermatozoa, sex hormones dysregulation, and morphological alterations in the testicular tissue. <i>Cell and Tissue Research</i> , 2019 , 378, 333-339	4.2	2
141	Molecular Mechanisms Controlled by mTOR in Male Reproductive System. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	19
140	Obesity and male hypogonadism: Tales of a vicious cycle. <i>Obesity Reviews</i> , 2019 , 20, 1148-1158	10.6	24
139	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

138	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. <i>Antioxidants</i> , 2019 , 8,	7.1	62
137	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
136	IGF2 role in adrenocortical carcinoma biology. <i>Endocrine</i> , 2019 , 66, 326-337	4	10
135	mTOR Signaling Pathway Regulates Sperm Quality in Older Men. <i>Cells</i> , 2019 , 8,	7.9	7
134	Assessment of Sertoli Cell Proliferation by 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide and Sulforhodamine B Assays. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2019 , 81, e85	1	2
133	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
132	Glycolysis Inhibition as a Strategy for Hepatocellular Carcinoma Treatment?. <i>Current Cancer Drug Targets</i> , 2019 , 19, 26-40	2.8	21
131	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
130	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
129	Role of Reactive Oxygen Species in Diabetes-Induced Male Reproductive Dysfunction 2019 , 135-147		5
128	Canine Mammary Tumors: Comparison of Classification and Grading Methods in a Survival Study. <i>Veterinary Pathology</i> , 2019 , 56, 208-219	2.8	27
127	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
126	White Tea 2019 , 437-445		3
125	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
124	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
123	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
122	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
121	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

120	Assessing Sertoli Cell Metabolic Activity. <i>Methods in Molecular Biology</i> , 2018 , 1748, 157-171	1.4	1
119	Establishment of Primary Culture of Sertoli Cells. <i>Methods in Molecular Biology</i> , 2018 , 1748, 1-8	1.4	15
118	A Stopped-Flow Light Scattering Methodology for Assessing the Osmotic Water Permeability of Whole Sertoli Cells. <i>Methods in Molecular Biology</i> , 2018 , 1748, 279-286	1.4	2
117	Evaluation of the Purity of Sertoli Cell Primary Cultures. <i>Methods in Molecular Biology</i> , 2018 , 1748, 9-15	1.4	14
116	Anti-obesity potential of natural methylxanthines. <i>Journal of Functional Foods</i> , 2018 , 43, 84-94	5.1	28
115	Diabetes-induced hyperglycemia impairs male reproductive function: a systematic review. <i>Human Reproduction Update</i> , 2018 , 24, 86-105	15.8	108
114	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
113	Energetics of the Male Reproduction 2018 , 451-457		1
112	Nutritional Factors and Male Reproduction 2018 , 458-464		3
111	Pineal Gland and Melatonin Biosynthesis 2018 , 465-471		
110	Pineal Gland and Regulatory Function 2018 , 472-477		
109	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
108	8-(3-phenylpropyl)-1,3,7-triethylxanthine is a synthetic caffeine substitute with stronger metabolic modulator activity. <i>Toxicology in Vitro</i> , 2018 , 53, 114-120	3.6	2
107	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
106	Estrogen Modulates Glycerol Permeability in Sertoli Cells through Downregulation of Aquaporin-9. <i>Cells</i> , 2018 , 7,	7.9	16
105	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
104	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
103	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. <i>BBA Clinical</i> , 2017 , 8, 1-6		7

102	Obesity, energy balance and spermatogenesis. <i>Reproduction</i> , 2017 , 153, R173-R185	3.8	56
101	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
100	Emerging Role for Mammalian Target of Rapamycin in Male Fertility. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 165-167	8.8	27
99	Glycerol and testicular activity: the good, the bad and the ugly. <i>Molecular Human Reproduction</i> , 2017 , 23, 725-737	4.4	9
98	Obesogens and male fertility. <i>Obesity Reviews</i> , 2017 , 18, 109-125	10.6	20
97	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
96	Fertility and Sperm Quality in the Aging Male. <i>Current Pharmaceutical Design</i> , 2017 , 23, 4429-4437	3.3	36
95	Sperm Maturation as a Possible Target of Obesogens. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2017 , 17,		2
94	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
93	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
92	Testicular lactate content is compromised in men with Klinefelter Syndrome. <i>Molecular Reproduction and Development</i> , 2016 , 83, 208-16	2.6	9
91	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
90	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
89	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
88	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
87	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. <i>Neurotoxicity Research</i> , 2016 , 30, 345-66	4.3	41
86	New insights on hormones and factors that modulate Sertoli cell metabolism. <i>Histology and Histopathology</i> , 2016 , 31, 499-513	1.4	24
85	Sirtuins: Novel Players in Male Reproductive Health. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1084-99	4.3	16

84	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
83	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
82	Structure-Bioactivity Relationships of Methylxanthines: Trying to Make Sense of All the Promises and the Drawbacks. <i>Molecules</i> , 2016 , 21,	4.8	80
81	Hepatocyte and Sertoli Cell Aquaporins, Recent Advances and Research Trends. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	21
80	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
79	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
78	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
77	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
76	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
75	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
74	White tea consumption restores sperm quality in prediabetic rats preventing testicular oxidative damage. <i>Reproductive BioMedicine Online</i> , 2015 , 31, 544-56	4	53
73	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
72	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
71	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
70	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
69	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
68	Sertoli Cell Metabolism and Spermatogenesis 2015 ,		8
67	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

66	The Warburg effect revisited--lesson from the Sertoli cell. <i>Medicinal Research Reviews</i> , 2015 , 35, 126-51	14.4	96
65	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3606-20	3.3	38
64	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
63	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. <i>Cell and Tissue Research</i> , 2015 , 362, 431-40	4.2	16
62	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
61	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
60	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
59	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
58	Impact of Metformin on Male Reproduction. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3621-33	3.3	16
57	Melatonin and male reproductive health: relevance of darkness and antioxidant properties. <i>Current Molecular Medicine</i> , 2015 , 15, 299-311	2.5	23
56	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. <i>Current Drug Targets</i> , 2015 , 16, 993-1006	3	12
55	The Sertoli Cell at a Glance 2015 , 3-13		4
54	Sertoli Cell and Germ Cell Differentiation 2015 , 25-39		3
53	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
52	Metformin and male reproduction: effects on Sertoli cell metabolism. <i>British Journal of Pharmacology</i> , 2014 , 171, 1033-42	8.6	57
51	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
50	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
49	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

48	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
47	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
46	Sperm glucose transport and metabolism in diabetic individuals. <i>Molecular and Cellular Endocrinology</i> , 2014 , 396, 37-45	4.4	46
45	Melatonin alters the glycolytic profile of Sertoli cells: implications for male fertility. <i>Molecular Human Reproduction</i> , 2014 , 20, 1067-76	4.4	48
44	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
43	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
42	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
41	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
40	High-energy diets: a threat for male fertility?. <i>Obesity Reviews</i> , 2014 , 15, 996-1007	10.6	84
39	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
38	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
37	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
36	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
35	Metabolic cooperation in testis as a pharmacological target: from disease to contraception. <i>Current Molecular Pharmacology</i> , 2014 , 7, 83-95	3.7	23
34	Natural products as modulators of spermatogenesis: the search for a male contraceptive. <i>Current Molecular Pharmacology</i> , 2014 , 7, 154-66	3.7	9
33	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. <i>Current Chemical Biology</i> , 2014 , 7, 282-293	0.4	14
32	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
31	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

30	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
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27	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
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24	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
23	Insulin deprivation decreases caspase-dependent apoptotic signaling in cultured rat sertoli cells. <i>ISRN Urology</i> , 2013 , 2013, 970370		21
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