Pedro Fontes Oliveira

List of Publications by Year in descending order

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210 papers	6,616 citations	61945 43 h-index	95218 68 g-index
213 all docs	213 docs citations	213 times ranked	7115 citing authors

#	Article	IF	Citations
1	Metabolic regulation is important for spermatogenesis. Nature Reviews Urology, 2012, 9, 330-338.	1.9	329
2	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 626-635.	1.8	185
3	Diabetes-induced hyperglycemia impairs male reproductive function: a systematic review. Human Reproduction Update, 2018, 24, 86-105.	5.2	181
4	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. Cellular and Molecular Life Sciences, 2013, 70, 777-793.	2.4	161
5	Highâ€energy diets may induce a preâ€diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. Andrology, 2013, 1, 495-504.	1.9	142
6	The Warburg Effect Revisitedâ€”Lesson from the Sertoli Cell. Medicinal Research Reviews, 2015, 35, 126-151.	5.0	137
7	The role of PD-L1 expression as a predictive biomarker in advanced non-small-cell lung cancer: a network meta-analysis. Immunotherapy, 2016, 8, 479-488.	1.0	136
8	Pre-diabetes alters testicular PGC1-Î±/SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 335-344.	0.5	122
9	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. Tissue Barriers, 2013, 1, e23992.	1.6	119
10	Structure-Bioactivity Relationships of Methylxanthines: Trying to Make Sense of All the Promises and the Drawbacks. Molecules, 2016, 21, 974.	1.7	111
11	Highâ€energy diets: a threat for male fertility?. Obesity Reviews, 2014, 15, 996-1007.	3.1	110
12	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, 84-89.	1.1	108
13	Tubular Fluid Secretion in the Seminiferous Epithelium: Ion Transporters and Aquaporins in Sertoli Cells. Journal of Membrane Biology, 2010, 236, 215-224.	1.0	100
14	Antioxidants and Male Fertility: from Molecular Studies to Clinical Evidence. Antioxidants, 2019, 8, 89.	2.2	100
15	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells culturedin vitro. Bioscience Reports, 2012, 32, 61-69.	1.1	91
16	Influence of 5Î±-dihydrotestosterone and 17Î²-estradiol on human Sertoli cells metabolism. Journal of Developmental and Physical Disabilities, 2011, 34, e612-e620.	3.6	82
17	Obesity, energy balance and spermatogenesis. Reproduction, 2017, 153, R173-R185.	1.1	75
18	Fertility and Sperm Quality in the Aging Male. Current Pharmaceutical Design, 2017, 23, 4429-4437.	0.9	74

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19	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. International Journal of Biochemistry and Cell Biology, 2012, 44, 2077-2084.	1.2	73
20	Metformin and male reproduction: effects on <scp>S</scp>ertoli cell metabolism. British Journal of Pharmacology, 2014, 171, 1033-1042.	2.7	72
21	Melatonin alters the glycolytic profile of Sertoli cells: implications for male fertility. Molecular Human Reproduction, 2014, 20, 1067-1076.	1.3	70
22	Dose-dependent effects of caffeine in human Sertoli cells metabolism and oxidative profile: Relevance for male fertility. Toxicology, 2015, 328, 12-20.	2.0	70
23	Sperm glucose transport and metabolism in diabetic individuals. Molecular and Cellular Endocrinology, 2014, 396, 37-45.	1.6	69
24	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, 1824-1832.	1.8	69
25	White tea consumption restores sperm quality in prediabetic rats preventing testicular oxidative damage. Reproductive BioMedicine Online, 2015, 31, 544-556.	1.1	66
26	Sertoli cell as a model in male reproductive toxicology: Advantages and disadvantages. Journal of Applied Toxicology, 2015, 35, 870-883.	1.4	65
27	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, 91-98.	1.2	65
28	Obesity and male hypogonadism: Tales of a vicious cycle. Obesity Reviews, 2019, 20, 1148-1158.	3.1	65
29	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17Î²-estradiol and suppressed by insulin deprivation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1389-1394.	1.9	63
30	Use of poly(DL-lactide-Îµ-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, 355-365.	1.0	62
31	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, 1154-1166.	1.8	60
32	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. Current Pharmaceutical Design, 2015, 21, 3606-3620.	0.9	60
33	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.	1.7	59
34	Canine Mammary Tumors: Comparison of Classification and Grading Methods in a Survival Study. Veterinary Pathology, 2019, 56, 208-219.	0.8	56
35	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, 608-617.	2.4	55
36	Pharmacological potential of methylxanthines: Retrospective analysis and future expectations. Critical Reviews in Food Science and Nutrition, 2019, 59, 2597-2625.	5.4	55

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37	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. Reproductive Toxicology, 2013, 38, 81-88.	1.3	53
38	Intracellular pH regulation in human Sertoli cells: role of membrane transporters. Reproduction, 2009, 137, 353-359.	1.1	52
39	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, 861-868.	1.5	52
40	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.	1.2	50
41	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.	1.2	50
42	Molecular Mechanisms and Signaling Pathways Involved in the Nutritional Support of Spermatogenesis by Sertoli Cells. Methods in Molecular Biology, 2018, 1748, 129-155.	0.4	49
43	Testicular Aging: An Overview of Ultrastructural, Cellular, and Molecular Alterations. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 860-871.	1.7	49
44	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. Neurotoxicity Research, 2016, 30, 345-366.	1.3	47
45	Promising Potential of Dietary (Poly)Phenolic Compounds in the Prevention and Treatment of Diabetes Mellitus. Current Medicinal Chemistry, 2017, 24, 334-354.	1.2	47
46	H-Ferritin is essential for macrophagesâ€™ capacity to store or detoxify exogenously added iron. Scientific Reports, 2020, 10, 3061.	1.6	44
47	Testicular Metabolic Reprogramming in Neonatal Streptozotocin-Induced Type 2 Diabetic Rats Impairs Glycolytic Flux and Promotes Glycogen Synthesis. Journal of Diabetes Research, 2015, 2015, 1-13.	1.0	43
48	Anti-obesity potential of natural methylxanthines. Journal of Functional Foods, 2018, 43, 84-94.	1.6	42
49	Impact of Diabetes in Blood-Testis and Blood-Brain Barriers: Resemblances and Differences. Current Diabetes Reviews, 2012, 8, 401-412.	0.6	42
50	Regulation of apoptotic signaling pathways by 5Î±-dihydrotestosterone and 17Î²-estradiol in immature rat Sertoli cells. Journal of Steroid Biochemistry and Molecular Biology, 2013, 135, 15-23.	1.2	41
51	Male fertility and obesity: are ghrelin, leptin and glucagon-like peptide-1 pharmacologically relevant?. Current Pharmaceutical Design, 2016, 22, 783-791.	0.9	41
52	A switch from high-fat to normal diet does not restore sperm quality but prevents metabolic syndrome. Reproduction, 2019, 158, 377-387.	1.1	40
53	The Action of Polyphenols in Diabetes Mellitus and Alzheimer's Disease: A Common Agent for Overlapping Pathologies. Current Neuropharmacology, 2019, 17, 590-613.	1.4	38
54	Physiology of Na+/H+ Exchangers in the Male Reproductive Tract: Relevance for Male Fertility1. Biology of Reproduction, 2014, 91, 11.	1.2	37

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55	Metabolomics as a tool for the early diagnosis and prognosis of diabetic kidney disease. Medicinal Research Reviews, 2022, 42, 1518-1544.	5.0	36
56	Regucalcin, a calcium-binding protein with a role in male reproduction?. Molecular Human Reproduction, 2012, 18, 161-170.	1.3	35
57	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.	1.6	35
58	White tea intake prevents prediabetes-induced metabolic dysfunctions in testis and epididymis preserving sperm quality. Journal of Nutritional Biochemistry, 2016, 37, 83-93.	1.9	35
59	Melatonin and Male Reproductive Health: Relevance of Darkness and Antioxidant Properties. Current Molecular Medicine, 2015, 15, 299-311.	0.6	35
60	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. Reproduction, 2011, 142, 447-456.	1.1	34
61	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. Immunotherapy, 2016, 8, 1011-1019.	1.0	34
62	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 235-253.	2.3	34
63	Senescence and declining reproductive potential: Insight into molecular mechanisms through testicular metabolomics. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3388-3396.	1.8	34
64	Emerging Role for Mammalian Target of Rapamycin in Male Fertility. Trends in Endocrinology and Metabolism, 2017, 28, 165-167.	3.1	33
65	White tea consumption improves cardiac glycolytic and oxidative profile of prediabetic rats. Journal of Functional Foods, 2015, 14, 102-110.	1.6	32
66	Molecular Mechanisms Controlled by mTOR in Male Reproductive System. International Journal of Molecular Sciences, 2019, 20, 1633.	1.8	32
67	MAPK/ERK pathway inhibition is a promising treatment target for adrenocortical tumors. Journal of Cellular Biochemistry, 2019, 120, 894-906.	1.2	32
68	Membrane Transporters and Cytoplasmatic pH Regulation on Bovine Sertoli Cells. Journal of Membrane Biology, 2009, 227, 49-55.	1.0	31
69	Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. Molecular and Cellular Biochemistry, 2014, 394, 13-22.	1.4	31
70	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, 832-842.	1.2	31
71	Glycolysis Inhibition as a Strategy for Hepatocellular Carcinoma Treatment?. Current Cancer Drug Targets, 2018, 19, 26-40.	0.8	31
72	Estrogenic regulation of testicular expression of stem cell factor and c-kit: implications in germ cell survival and male fertility. Fertility and Sterility, 2014, 102, 299-306.	0.5	30

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73	Metabolic Cooperation in Testis as a Pharmacological Target: From Disease to Contraception. Current Molecular Pharmacology, 2015, 7, 83-95.	0.7	29
74	Aquaporinâ€9 is expressed in rat Sertoli cells and interacts with the cystic fibrosis transmembrane conductance regulator. IUBMB Life, 2014, 66, 639-644.	1.5	28
75	pH and male fertility: making sense on pH homeodynamics throughout the male reproductive tract. Cellular and Molecular Life Sciences, 2019, 76, 3783-3800.	2.4	28
76	Diet during early life defines testicular lipid content and sperm quality in adulthood. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E1061-E1073.	1.8	28
77	Impact of Environmental and Lifestyle Use of Chromium on Male Fertility: Focus on Antioxidant Activity and Oxidative Stress. Antioxidants, 2021, 10, 1365.	2.2	28
78	New insights on hormones and factors that modulate Sertoli cell metabolism. Histology and Histopathology, 2016, 31, 499-513.	0.5	28
79	Mitochondrial Pathophysiology on Chronic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 1776.	1.8	28
80	Effect of white tea (Camellia sinensis (L.)) extract in the glycolytic profile of Sertoli cell. European Journal of Nutrition, 2014, 53, 1383-1391.	1.8	27
81	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.	1.2	27
82	Insulin Deprivation Decreases Caspase-Dependent Apoptotic Signaling in Cultured Rat Sertoli Cells. ISRN Urology, 2013, 2013, 1-8.	1.5	26
83	Hepatocyte and Sertoli Cell Aquaporins, Recent Advances and Research Trends. International Journal of Molecular Sciences, 2016, 17, 1096.	1.8	26
84	IGF2 role in adrenocortical carcinoma biology. Endocrine, 2019, 66, 326-337.	1.1	26
85	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. Antioxidants and Redox Signaling, 2020, 33, 767-785.	2.5	26
86	Molecular Basis of Bicarbonate Membrane Transport in the Male Reproductive Tract. Current Medicinal Chemistry, 2013, 20, 4037-4049.	1.2	26
87	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, 581-589.	1.3	25
88	Aquaporin-4 as a molecular partner of cystic fibrosis transmembrane conductance regulator in rat Sertoli cells. Biochemical and Biophysical Research Communications, 2014, 446, 1017-1021.	1.0	25
89	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. Fertility and Sterility, 2016, 105, 825-833.e3.	0.5	25
90	Obesogens and male fertility. Obesity Reviews, 2017, 18, 109-125.	3.1	25

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91	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. Antioxidants, 2020, 9, 750.	2.2	25
92	Lateâ€onset hypogonadism and lifestyleâ€related metabolic disorders. Andrology, 2020, 8, 1530-1538.	1.9	25
93	Impact of Metformin on Male Reproduction. Current Pharmaceutical Design, 2015, 21, 3621-3633.	0.9	25
94	Sirtuins: Novel Players in Male Reproductive Health. Current Medicinal Chemistry, 2016, 23, 1084-1099.	1.2	24
95	Pesticides and Male Fertility: A Dangerous Crosstalk. Metabolites, 2021, 11, 799.	1.3	24
96	Estradiol modulates Na⁺â€dependent HCO₃^{â^'} transporters altering intracellular pH and ion transport in human Sertoli cells: A role on male fertility?. Biology of the Cell, 2016, 108, 179-188.	0.7	23
97	Carbonic anhydrases are involved in mitochondrial biogenesis and control the production of lactate by human Sertoli cells. FEBS Journal, 2019, 286, 1393-1406.	2.2	23
98	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.	1.3	23
99	Sperm selection strategies and their impact on assisted reproductive technology outcomes. Andrologia, 2021, 53, e13725.	1.0	23
100	Review Protein families, natural history and biotechnological aspects of spider silk. Genetics and Molecular Research, 2012, 11, 2360-2380.	0.3	23
101	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene inÂmammalian testis. Fertility and Sterility, 2011, 96, 745-750.	0.5	22
102	Establishment of Primary Culture of Sertoli Cells. Methods in Molecular Biology, 2018, 1748, 1-8.	0.4	22
103	Estrogen Modulates Glycerol Permeability in Sertoli Cells through Downregulation of Aquaporin-9. Cells, 2018, 7, 153.	1.8	22
104	Tea (Camellia sinensis (L.)): A Putative Anticancer Agent in Bladder Carcinoma?. Anti-Cancer Agents in Medicinal Chemistry, 2014, 15, 26-36.	0.9	21
105	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. General and Comparative Endocrinology, 2014, 201, 16-20.	0.8	21
106	l-Theanine promotes cultured human Sertoli cells proliferation and modulates glucose metabolism. European Journal of Nutrition, 2019, 58, 2961-2970.	1.8	21
107	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. Cell and Tissue Research, 2015, 362, 431-440.	1.5	20
108	Warburg Effect Inversion: Adiposity shifts central primary metabolism in MCF-7 breast cancer cells. Life Sciences, 2019, 223, 38-46.	2.0	20

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109	Aquaporins and male (in)fertility: Expression and role throughout the male reproductive tract. Archives of Biochemistry and Biophysics, 2020, 679, 108222.	1.4	20
110	Inheritable testicular metabolic memory of high-fat diet causes transgenerational sperm defects in mice. Scientific Reports, 2021, 11, 9444.	1.6	20
111	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. Current Chemical Biology, 2014, 7, 282-293.	0.2	20
112	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. BBA Clinical, 2017, 8, 1-6.	4.1	19
113	Evaluation of the Purity of Sertoli Cell Primary Cultures. Methods in Molecular Biology, 2018, 1748, 9-15.	0.4	19
114	Effect of Prediabetes on Membrane Bicarbonate Transporters in Testis and Epididymis. Journal of Membrane Biology, 2013, 246, 877-883.	1.0	18
115	mTOR Signaling Pathway Regulates Sperm Quality in Older Men. Cells, 2019, 8, 629.	1.8	18
116	Can Tea Consumption be a Safe and Effective Therapy Against Diabetes Mellitus-Induced Neurodegeneration?. Current Neuropharmacology, 2015, 12, 475-489.	1.4	18
117	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. Current Drug Targets, 2015, 16, 993-1006.	1.0	18
118	The single and synergistic effects of the major tea components caffeine, epigallocatechin-3-gallate and <scp>l</scp>-theanine on rat sperm viability. Food and Function, 2016, 7, 1301-1305.	2.1	17
119	Antioxidants Present in Reproductive Tract Fluids and Their Relevance for Fertility. Antioxidants, 2021, 10, 1441.	2.2	17
120	Mitochondrial Uncoupling Proteins (UCPs) as Key Modulators of ROS Homeostasis: A Crosstalk between Diabesity and Male Infertility?. Antioxidants, 2021, 10, 1746.	2.2	16
121	H+-ATPase of crude homogenate of the outer mantle epithelium of Anodonta cygnea. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 139, 425-432.	0.8	15
122	Sertoli Cell Metabolism and Spermatogenesis. , 2015, , .		15
123	The effects of the obesogen tributyltin on the metabolism of Sertoli cells cultured ex vivo. Archives of Toxicology, 2018, 92, 601-610.	1.9	15
124	Aquaporins and (in)fertility: More than just water transport. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166039.	1.8	15
125	Testicular lactate content is compromised in men with Klinefelter Syndrome. Molecular Reproduction and Development, 2016, 83, 208-216.	1.0	14
126	Glycerol and testicular activity: the good, the bad and the ugly. Molecular Human Reproduction, 2017, 23, 725-737.	1.3	14

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127	Expanded equine cumulusâ€“oocyte complexes exhibit higher meiotic competence and lower glucose consumption than compact cumulusâ€“oocyte complexes. Reproduction, Fertility and Development, 2018, 30, 297.	0.1	14
128	Shedding light into the relevance of telomeres in human reproduction and male factor infertilityâ€. Biology of Reproduction, 2019, 100, 318-330.	1.2	14
129	Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 461.	1.8	14
130	Natural Products as Modulators of Spermatogenesis: The Search for a Male Contraceptive. Current Molecular Pharmacology, 2015, 7, 154-166.	0.7	14
131	Na+â€“K+ ATPase in outer mantle epithelium of Anodonta cygnea. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 122, 337-340.	0.8	13
132	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, 290-298.	1.9	13
133	Expression of Estrogen Receptors Alpha (ER-Î±), Beta (ER-Î²), and G Protein-Coupled Receptor 30 (GPR30) in Testicular Tissue of Men with Klinefelter Syndrome. Hormone and Metabolic Research, 2016, 48, 413-415.	0.7	13
134	Implications of epigallocatechin-3-gallate in cultured human Sertoli cells glycolytic and oxidative profile. Toxicology in Vitro, 2017, 41, 214-222.	1.1	13
135	Insights into leptin signaling and male reproductive health: the missing link between overweight and subfertility?. Biochemical Journal, 2018, 475, 3535-3560.	1.7	13
136	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. Prostate, 2014, 74, 1189-1198.	1.2	12
137	Knockout of insulin-degrading enzyme leads to mice testicular morphological changes and impaired sperm quality. Molecular and Cellular Endocrinology, 2019, 486, 11-17.	1.6	12
138	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.	1.8	12
139	Inherited Metabolic Memory of Highâ€Fat Diet Impairs Testicular Fatty Acid Content and Sperm Parameters. Molecular Nutrition and Food Research, 2022, 66, e2100680.	1.5	12
140	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.	1.2	11
141	Estrogenic regulation of bicarbonate transporters from SLC4 family in rat Sertoli cells. Molecular and Cellular Biochemistry, 2015, 408, 47-54.	1.4	11
142	Discordance between human sperm quality and telomere length following differential gradient separation/swim-up. Journal of Assisted Reproduction and Genetics, 2020, 37, 2581-2603.	1.2	11
143	Novel Drug Therapies for Fertility Preservation in Men Undergoing Chemotherapy: Clinical Relevance of Protector Agents. Current Medicinal Chemistry, 2015, 22, 3347-3369.	1.2	11
144	Aquaporins and Animal Gamete Cryopreservation: Advances and Future Challenges. Animals, 2022, 12, 359.	1.0	11

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145	Gender-dependent Metabolic Remodeling During Heart Preservation in Cardioplegic Celsior and Histidine Buffer Solution. Journal of Cardiovascular Pharmacology, 2012, 60, 227-233.	0.8	10
146	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. Animals, 2020, 10, 2171.	1.0	10
147	Lifestyle, metabolic disorders and male hypogonadism â€“ A one-way ticket?. Molecular and Cellular Endocrinology, 2020, 516, 110945.	1.6	10
148	Metabolic diseases affect male reproduction and induce signatures in gametes that may compromise the offspring health. Environmental Epigenetics, 2020, 6, dvaa019.	0.9	10
149	Emerging Potential of Natural Products as an Alternative Strategy to Pharmacological Agents Used Against Metabolic Disorders. Current Drug Metabolism, 2016, 17, 582-597.	0.7	10
150	Molecular mechanisms regulating spermatogenesis in vertebrates: Environmental, metabolic, and epigenetic factor effects. Animal Reproduction Science, 2022, 246, 106896.	0.5	10
151	Lung branching morphogenesis is accompanied by temporal metabolic changes towards a glycolytic preference. Cell and Bioscience, 2021, 11, 134.	2.1	9
152	Insights and clinical potential of proteomics in understanding spermatogenesis. Expert Review of Proteomics, 2021, 18, 13-25.	1.3	9
153	Identification of a V-type proton pump in the outer mantle epithelium of Anodonta cygnea. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 123, 337-342.	0.8	8
154	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, 230-235.	2.9	8
155	Definitive chemoradiotherapy for squamous head and neck cancer: cisplatin versus carboplatin? A meta-analysis. Future Oncology, 2016, 12, 2755-2764.	1.1	7
156	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.	1.5	7
157	Use of antioxidant could ameliorate the negative impact of etoposide on human sperm DNA during chemotherapy. Reproductive BioMedicine Online, 2020, 40, 856-866.	1.1	7
158	Plasmatic Oxidative and Metabonomic Profile of Patients with Different Degrees of Biliary Acute Pancreatitis Severity. Antioxidants, 2021, 10, 988.	2.2	7
159	Male Infertility in the XXI Century: Are Obesogens to Blame?. International Journal of Molecular Sciences, 2022, 23, 3046.	1.8	7
160	Animal models of male reproductive ageing to study testosterone production and spermatogenesis. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 1341-1360.	2.6	7
161	Role of Reactive Oxygen Species in Diabetes-Induced Male Reproductive Dysfunction. , 2019, , 135-147.		6
162	An online educational model in andrology for student training in the art of scientific writing in the COVIDâ€19 pandemic. Andrologia, 2021, 53, e13961.	1.0	6

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163	Visceral Adipose Tissue Displays Unique Metabolomic Fingerprints in Obesity, Pre-Diabetes and Type 2 Diabetes. International Journal of Molecular Sciences, 2021, 22, 5695.	1.8	6
164	The Sertoli Cell at a Glance. , 2015, , 3-13.		6
165	Obesityâ€related genes are expressed in human Sertoli cells and modulated by energy homeostasis regulating hormones. Journal of Cellular Physiology, 2021, 236, 5265-5277.	2.0	6
166	Hypoxic Preconditioning Averts Sporadic Alzheimer's Disease-Like Phenotype in Rats: A Focus on Mitochondria. Antioxidants and Redox Signaling, 2022, 37, 739-757.	2.5	6
167	A new thiocyanoacetamide (2-cyano-2-p-nitrophenyl-N-benzylthioamide) reduces doxorubicin-induced inÂvitro toxicity in Sertoli cells by decreasing apoptosis and autophagy. Theriogenology, 2019, 140, 188-200.	0.9	5
168	Technical-grade chlordane compromises rat Sertoli cells proliferation, viability and metabolic activity. Toxicology in Vitro, 2020, 63, 104673.	1.1	5
169	Gastric Bypass with Different Biliopancreatic Limb Lengths Results in Similar Post-absorptive Metabolomics Profiles. Obesity Surgery, 2020, 30, 1068-1078.	1.1	5
170	White Tea Intake Abrogates Markers of Streptozotocin-Induced Prediabetes Oxidative Stress in Rat Lungsâ€™. Molecules, 2021, 26, 3894.	1.7	5
171	Nutritional Factors and Male Reproduction. , 2018, , 458-464.		4
172	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.	0.8	4
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