

# Marco G Alves

## List of Articles by Year in descending order

Source: [//exaly.com/author-pdf/1261942/publications.pdf](https://exaly.com/author-pdf/1261942/publications.pdf)

Version: 2025-02-01

192

PR articles

6,062

PR citations

75816

39

PR h-index

79939

73

g-index

219

documents

6810

doc citations

80474

41

h-index

11214

citing authors

#	ARTICLE	IF	CITATIONS
1	Spermâ€borne miRâ€34câ€5p and miRâ€191â€3p as markers for sperm motility and embryo developmental competence. <i>Andrology</i> , 2025, 13, 519-530.	3.1	2
2	Impact of Chromium Picolinate on Leydig Cell Steroidogenesis and Antioxidant Balance Using an In Vitro Insulin Resistance Model. <i>Antioxidants</i> , 2024, 13, 40.	5.8	8
3	Metabolomics Integration in Assisted Reproductive Technologies for Enhanced Embryo Selection beyond Morphokinetic Analysis. <i>International Journal of Molecular Sciences</i> , 2024, 25, 491.	4.4	9
4	Standard Doses of Cholecalciferol Reduce Glucose and Increase Glutamine in Obesity-Related Hypertension: Results of a Randomized Trial. <i>International Journal of Molecular Sciences</i> , 2024, 25, 3416.	4.4	4
5	Signatures of metabolic diseases on spermatogenesis and testicular metabolism. <i>Nature Reviews Urology</i> , 2024, 21, 477-494.	10.1	32
6	Retinoic Acid-Mediated Control of Energy Metabolism Is Essential for Lung Branching Morphogenesis. <i>International Journal of Molecular Sciences</i> , 2024, 25, 5054.	4.4	2
7	Metabolomics analysis of human spermatozoa reveals impaired metabolic pathways in asthenozoospermia. <i>European Journal of Clinical Investigation</i> , 2024, 54, .	3.1	7
8	CAVPENET Peptide Inhibits Prostate Cancer Cells Proliferation and Migration through PP1 <sup>Î³</sup> -Dependent Inhibition of AKT Signaling. <i>Pharmaceutics</i> , 2024, 16, 1199.	4.9	3
9	Aminocarb Exposure Induces Cytotoxicity and Endoplasmic Reticulum Stress-Mediated Apoptosis in Mouse Sustentacular Sertoli Cells: Implications for Male Infertility and Environmental Health. <i>Biology</i> , 2024, 13, 721.	2.8	4
10	The interactome of cystic fibrosis transmembrane conductance regulator and its role in male fertility: A critical review. <i>Journal of Cellular Physiology</i> , 2024, 239, .	4.1	3
11	The sirtuin 1 activator YK 3-237 stimulates capacitation-related events in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2023, 46, 165-178.	2.7	4
12	Male Sex Hormones, Metabolic Syndrome, and Aquaporins: A Triad of Players in Male (in)Fertility. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1960.	4.4	10
13	Inhibition of Mitochondrial Uncoupling Proteins Arrests Human Spermatozoa Motility without Compromising Viability. <i>Antioxidants</i> , 2023, 12, 409.	5.8	6
14	Counteracting Colon Cancer by Inhibiting Mitochondrial Respiration and Glycolysis with a Selective PKC <sup>Î³</sup> Activator. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5710.	4.4	11
15	Dysglycemia Shapes Visceral Adipose Tissueâ€™s Response to GIP, GLP-1 and Glucagon in Individuals with Obesity. <i>Metabolites</i> , 2023, 13, 587.	3.4	2
16	Mitochondria Quality Control and Male Fertility. <i>Biology</i> , 2023, 12, 827.	2.8	75
17	The role of ion homeostasis imbalance due to citrate accumulation in fluoroacetic acid (FAA) toxicity in <i>Neurospora crassa</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2023, 271, 109661.	3.1	2
18	P-014â€™Inhibition of mitochondrial uncoupling proteins irreversibly arrests human spermatozoa motility. <i>Human Reproduction</i> , 2023, 38, .	1.0	0

#	ARTICLE	IF	CITATIONS
19	A Comprehensive Review of the Impact of Chromium Picolinate on Testicular Steroidogenesis and Antioxidant Balance. <i>Antioxidants</i> , 2023, 12, 1572.	5.8	12
20	The progression from mild to severe hyperglycemia coupled with insulin resistance causes mitochondrial dysfunction and alters the metabolic secretome of epithelial kidney cells. <i>Experimental Cell Research</i> , 2023, 431, 113744.	3.1	2
21	The Influence of Adipocyte Secretome on Selected Metabolic Fingerprints of Breast Cancer Cell Lines Representing the Four Major Breast Cancer Subtypes. <i>Cells</i> , 2023, 12, 2123.	4.7	5
22	L-Carnitine and Male Fertility: Is Supplementation Beneficial?. <i>Journal of Clinical Medicine</i> , 2023, 12, 5796.	2.5	43
23	Aquaporin-7-Mediated Glycerol Permeability Is Linked to Human Sperm Motility in Asthenozoospermia and during Sperm Capacitation. <i>Cells</i> , 2023, 12, 2003.	4.7	14
24	Understanding the age-related alterations in the testis-specific proteome. <i>Expert Review of Proteomics</i> , 2023, 20, 331-343.	2.0	1
25	A systematic scientometric review of paternal inheritance of acquired metabolic traits. <i>BMC Biology</i> , 2023, 21, .	3.9	5
26	Decoding the Influence of Obesity on Prostate Cancer and Its Transgenerational Impact. <i>Nutrients</i> , 2023, 15, 4858.	4.5	16
27	Chronic Intermittent Hypoxia-Induced Dysmetabolism Is Associated with Hepatic Oxidative Stress, Mitochondrial Dysfunction and Inflammation. <i>Antioxidants</i> , 2023, 12, 1910.	5.8	14
28	Impact of Different Treatment Regimens and Timeframes in the Plasmatic Metabolic Profiling of Patients with Lung Adenocarcinoma. <i>Metabolites</i> , 2023, 13, 1180.	3.4	1
29	Exploring the Role of Oxidative Stress in Sperm Motility: A Proteomic Network Approach. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 501-520.	6.3	22
30	Molecular mechanisms regulating spermatogenesis in vertebrates: Environmental, metabolic, and epigenetic factor effects. <i>Animal Reproduction Science</i> , 2022, 246, 106896.	2.6	14
31	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.	0.8	5
32	Inherited Metabolic Memory of High-Fat Diet Impairs Testicular Fatty Acid Content and Sperm Parameters. <i>Molecular Nutrition and Food Research</i> , 2022, 66, .	4.0	23
33	Mutant p53 reactivator SLMP53-2 hinders ultraviolet B radiation-induced skin carcinogenesis. <i>Pharmacological Research</i> , 2022, 175, 106026.	9.1	12
34	Bioinformatic Approach to Unveil Key Differentially Expressed Proteins in Human Sperm After Slow and Rapid Cryopreservation. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 9, .	3.6	6
35	Aquaporins and Animal Gamete Cryopreservation: Advances and Future Challenges. <i>Animals</i> , 2022, 12, 359.	2.3	21
36	Mitochondrial Pathophysiology on Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1776.	4.4	59

#	ARTICLE	IF	CITATIONS
37	Metabolomics as a tool for the early diagnosis and prognosis of diabetic kidney disease. <i>Medicinal Research Reviews</i> , 2022, 42, 1518-1544.	13.5	140
38	The Impact of Metabolic Syndrome and Type 2 Diabetes Mellitus on Prostate Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.6	17
39	Male Infertility in the XXI Century: Are Obesogens to Blame?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3046.	4.4	12
40	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.	2.1	1
41	Hypoxic Preconditioning Averts Sporadic Alzheimer's Disease-Like Phenotype in Rats: A Focus on Mitochondria. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 739-757.	6.3	10
42	Testicular Inherited Metabolic Memory of Ancestral High-Fat Diet Is Associated with Sperm sncRNA Content. <i>Biomedicines</i> , 2022, 10, 909.	3.4	20
43	Exenatide and Dapagliflozin Combination Enhances Sertoli Cell Secretion of Key Metabolites for Spermatogenesis. <i>Biomedicines</i> , 2022, 10, 1115.	3.4	7
44	Animal models of male reproductive ageing to study testosterone production and spermatogenesis. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 1341-1360.	6.8	16
45	Differential response of hepatocellular carcinoma glycolytic metabolism and oxidative stress markers after exposure to human amniotic membrane proteins. <i>Molecular Biology Reports</i> , 2022, 49, 7731-7741.	2.5	2
46	Losartan Attenuates Radiation-Induced Damage on Testes and Accelerates Tubular Regeneration. <i>Frontiers in Reproductive Health</i> , 2022, 4, .	2.4	7
47	Carbamate Pesticides: Shedding Light on Their Impact on the Male Reproductive System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8206.	4.4	39
48	Distinct impacts of fat and fructose on the liver, muscle, and adipose tissue metabolome: An integrated view. <i>Frontiers in Endocrinology</i> , 2022, 13, .	3.9	11
49	Type 2 Diabetes Induces a Pro-Oxidative Environment in Rat Epididymis by Disrupting SIRT1/PGC-1 $\beta$ /SIRT3 Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8912.	4.4	14
50	Testicular Glycogen Metabolism: An Overlooked Source of Energy for Spermatogenesis?. <i>Biochem</i> , 2022, 2, 198-214.	1.5	31
51	Stress Hormone Corticosterone Controls Metabolic Mitochondrial Performance and Inflammatory Signaling of In Vitro Cultured Sertoli Cells. <i>Biomedicines</i> , 2022, 10, 2331.	3.4	6
52	Obesity-Related Genes Expression in Testes and Sperm Parameters Respond to GLP-1 and Caloric Restriction. <i>Biomedicines</i> , 2022, 10, 2609.	3.4	7
53	Effects of Age and Lifelong Moderate-Intensity Exercise Training on Rats' Testicular Function. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11619. In vivo exposure to a new 2-cyano-	4.4	11
54	p-nitrophenyl- N-benzylthioamide decreases doxorubicin-triggered structural damages in the mature testis. <i>Andrologia</i> , 2022, 54, .	2.0	3

#	ARTICLE	IF	CITATIONS
55	Sperm selection strategies and their impact on assisted reproductive technology outcomes. <i>Andrologia</i> , 2021, 53, .	2.0	43
56	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, 461.	4.4	21
57	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, .	2.0	8
58	Is Technical-Grade Chlordane an Obesogen?. <i>Current Medicinal Chemistry</i> , 2021, 28, 548-568.	2.8	3
59	Aquaporins and (in)fertility: More than just water transport. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166039.	4.1	33
60	Targeting p53 for Melanoma Treatment: Counteracting Tumour Proliferation, Dissemination and Therapeutic Resistance. <i>Cancers</i> , 2021, 13, 1648.	3.8	22
61	Inheritable testicular metabolic memory of high-fat diet causes transgenerational sperm defects in mice. <i>Scientific Reports</i> , 2021, 11, .	3.4	33
62	Expression of obesity-related genes in human spermatozoa affects the outcomes of reproductive treatments. <i>F&amp;S Science</i> , 2021, 2, 164-175.	0.6	5
63	Visceral Adipose Tissue Displays Unique Metabolomic Fingerprints in Obesity, Pre-Diabetes and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5695.	4.4	13
64	White Tea Intake Abrogates Markers of Streptozotocin-Induced Prediabetes Oxidative Stress in Rat Lungs. <i>Molecules</i> , 2021, 26, 3894.	4.2	11
65	Exploring the Physiological Role of Transthyretin in Glucose Metabolism in the Liver. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6073.	4.4	8
66	Plasmatic Oxidative and Metabonomic Profile of Patients with Different Degrees of Biliary Acute Pancreatitis Severity. <i>Antioxidants</i> , 2021, 10, 988.	5.8	11
67	Lung branching morphogenesis is accompanied by temporal metabolic changes towards a glycolytic preference. <i>Cell and Bioscience</i> , 2021, 11, .	5.5	13
68	Impact of Environmental and Lifestyle Use of Chromium on Male Fertility: Focus on Antioxidant Activity and Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1365.	5.8	54
69	Antioxidants Present in Reproductive Tract Fluids and Their Relevance for Fertility. <i>Antioxidants</i> , 2021, 10, 1441.	5.8	47
70	Assisted reproductive technology outcomes in obese and diabetic men: lighting the darkness. <i>F&amp;S Reviews</i> , 2021, 2, 317-329.	1.5	3
71	Metabolomic Profiling in Lung Cancer: A Systematic Review. <i>Metabolites</i> , 2021, 11, 630.	3.4	35
72	Somatic-Immune Cells Crosstalk In-The-Making of Testicular Immune Privilege. <i>Reproductive Sciences</i> , 2021, 29, 2707-2718.	2.1	19

#	ARTICLE	IF	CITATIONS
73	Insulin treatment to type 1 male diabetic rats protects fertility by avoiding testicular apoptosis and cell cycle arrest. <i>Gene</i> , 2021, 799, 145847.	2.3	15
74	Insights and clinical potential of proteomics in understanding spermatogenesis. <i>Expert Review of Proteomics</i> , 2021, 18, 13-25.	2.0	11
75	Mitochondrial Uncoupling Proteins (UCPs) as Key Modulators of ROS Homeostasis: A Crosstalk between Diabesity and Male Infertility?. <i>Antioxidants</i> , 2021, 10, 1746.	5.8	35
76	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.	4.1	13
77	Pesticides and Male Fertility: A Dangerous Crosstalk. <i>Metabolites</i> , 2021, 11, 799.	3.4	59
78	Technical-grade chlordane compromises rat Sertoli cells proliferation, viability and metabolic activity. <i>Toxicology in Vitro</i> , 2020, 63, 104673.	2.6	8
79	Aquaporins and male (in)fertility: Expression and role throughout the male reproductive tract. <i>Archives of Biochemistry and Biophysics</i> , 2020, 679, 108222.	2.8	27
80	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.	3.0	25
81	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.	3.0	36
82	Distinct Proteomic Profile of Spermatozoa from Men with Seminomatous and Non-Seminomatous Testicular Germ Cell Tumors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4817.	4.4	5
83	Alterations in seminal plasma proteomic profile in men with primary and secondary infertility. <i>Scientific Reports</i> , 2020, 10, .	3.4	37
84	Extracellular Vesicles, the Road toward the Improvement of ART Outcomes. <i>Animals</i> , 2020, 10, 2171.	2.3	20
85	Lifestyle, metabolic disorders and male hypogonadism – A one-way ticket?. <i>Molecular and Cellular Endocrinology</i> , 2020, 516, 110945.	3.4	14
86	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. <i>Antioxidants</i> , 2020, 9, 750.	5.8	37
87	Metabolic diseases affect male reproduction and induce signatures in gametes that may compromise the offspring health. <i>Environmental Epigenetics</i> , 2020, 6, .	1.7	19
88	Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 767-785.	6.3	45
89	Different Malabsorptive Obesity Surgery Interventions Result in Distinct Postprandial Amino Acid Metabolomic Signatures. <i>Obesity Surgery</i> , 2020, 30, 4019-4028.	2.2	8
90	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.	2.7	10

#	ARTICLE	IF	CITATIONS
91	H-Ferritin is essential for macrophages' capacity to store or detoxify exogenously added iron. <i>Scientific Reports</i> , 2020, 10, .	3.4	64
92	Late-onset hypogonadism and lifestyle-related metabolic disorders. <i>Andrology</i> , 2020, 8, 1530-1538.	3.1	35
93	Effect of Leptin in Human Sertoli Cells Mitochondrial Physiology. <i>Reproductive Sciences</i> , 2020, 28, 920-931.	2.1	9
94	IGF2 role in adrenocortical carcinoma biology. <i>Endocrine</i> , 2019, 66, 326-337.	2.5	37
95	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.	2.4	7
96	L-Theanine promotes cultured human Sertoli cells proliferation and modulates glucose metabolism. <i>European Journal of Nutrition</i> , 2019, 58, 2961-2970.	3.4	28
97	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.	5.5	35
98	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.	1.7	4
99	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.	2.7	13
100	Molecular Mechanisms Controlled by mTOR in Male Reproductive System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1633.	4.4	47
101	Obesity and male hypogonadism: Tales of a vicious cycle. <i>Obesity Reviews</i> , 2019, 20, 1148-1158.	7.5	101
102	Warburg Effect Inversion: Adiposity shifts central primary metabolism in MCF-7 breast cancer cells. <i>Life Sciences</i> , 2019, 223, 38-46.	4.5	21
103	Antioxidants and Male Fertility: From Molecular Studies to Clinical Evidence. <i>Antioxidants</i> , 2019, 8, 89.	5.8	134
104	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.	5.4	33
105	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.	3.4	14
106	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.	3.2	43
107	MAPK/ERK pathway inhibition is a promising treatment target for adrenocortical tumors. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 894-906.	3.0	38
108	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.	3.5	78

#	ARTICLE	IF	CITATIONS
109	Pharmacological potential of methylxanthines: Retrospective analysis and future expectations. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 2597-2625.	10.7	79
110	Gastric Bypass with Different Biliopancreatic Limb Lengths Results in Similar Post-absorptive Metabolomics Profiles. <i>Obesity Surgery</i> , 2019, 30, 1068-1078.	2.2	10
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.	4.6	46
112	Anti-obesity potential of natural methylxanthines. <i>Journal of Functional Foods</i> , 2018, 43, 84-94.	3.6	47
113	Diabetes-induced hyperglycemia impairs male reproductive function: a systematic review. <i>Human Reproduction Update</i> , 2018, 24, 86-105.	15.2	241
114	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	17
115	Estrogen Modulates Glycerol Permeability in Sertoli Cells through Downregulation of Aquaporin-9. <i>Cells</i> , 2018, 7, 153.	4.7	27
116	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.	4.1	44
117	Improving anticancer activity towards colon cancer cells with a new p53-activating agent. <i>British Journal of Pharmacology</i> , 2018, 175, 3947-3962.	6.3	27
118	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.	2.6	3
119	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 235-253.	6.7	43
120	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. <i>BBA Clinical</i> , 2017, 8, 1-6.	3.3	19
121	Implications of epigallocatechin-3-gallate in cultured human Sertoli cells glycolytic and oxidative profile. <i>Toxicology in Vitro</i> , 2017, 41, 214-222.	2.6	16
122	Glycerol and testicular activity: the good, the bad and the ugly. <i>Molecular Human Reproduction</i> , 2017, 23, 725-737.	2.9	28
123	Lung branching morphogenesis, in the chicken model, is accompanied by temporal metabolic changes. <i>Porto Biomedical Journal</i> , 2017, 2, 222-223.	0.8	2
124	Obesogens and male fertility. <i>Obesity Reviews</i> , 2017, 18, 109-125.	7.5	35
125	The effects of the obesogen tributyltin on the metabolism of Sertoli cells cultured ex vivo. <i>Archives of Toxicology</i> , 2017, 92, 601-610.	5.8	18
126	Fertility and Sperm Quality in the Aging Male. <i>Current Pharmaceutical Design</i> , 2017, 23, .	2.4	104

#	ARTICLE	IF	CITATIONS
127	Sperm Maturation as a Possible Target of Obesogens. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2017, 17, .	1.0	2
128	Structure-Bioactivity Relationships of Methylxanthines: Trying to Make Sense of All the Promises and the Drawbacks. <i>Molecules</i> , 2016, 21, 974.	4.2	158
129	Hepatocyte and Sertoli Cell Aquaporins, Recent Advances and Research Trends. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1096.	4.4	29
130	Estradiol modulates Na <sup>+</sup> -dependent HCO <sub>3</sub> <sup>-</sup> transporters altering intracellular pH and ion transport in human Sertoli cells: A role on male fertility?. <i>Biology of the Cell</i> , 2016, 108, 179-188.	2.6	28
131	Expression of Estrogen Receptors Alpha (ER- $\alpha$ ), Beta (ER- $\beta$ ), and G Protein-Coupled Receptor 30 (GPR30) in Testicular Tissue of Men with Klinefelter Syndrome. <i>Hormone and Metabolic Research</i> , 2016, 48, 413-415.	1.8	15
132	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.	3.4	42
133	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.	2.6	31
134	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.	4.9	42
135	Testicular lactate content is compromised in men with Klinefelter Syndrome. <i>Molecular Reproduction and Development</i> , 2016, 83, 208-216.	2.8	16
136	The single and synergistic effects of the major tea components caffeine, epigallocatechin-3-gallate andl-theanine on rat sperm viability. <i>Food and Function</i> , 2016, 7, 1301-1305.	5.3	20
137	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. <i>Fertility and Sterility</i> , 2016, 105, 825-833.e3.	2.9	30
138	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. <i>Neurotoxicity Research</i> , 2016, 30, 345-366.	2.8	59
139	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. <i>Cell and Tissue Research</i> , 2015, 362, 431-440.	2.7	25
140	Sertoli cell as a model in male reproductive toxicology: Advantages and disadvantages. <i>Journal of Applied Toxicology</i> , 2015, 35, 870-883.	3.0	79
141	White tea consumption improves cardiac glycolytic and oxidative profile of prediabetic rats. <i>Journal of Functional Foods</i> , 2015, 14, 102-110.	3.6	38
142	White tea consumption restores sperm quality in prediabetic rats preventing testicular oxidative damage. <i>Reproductive BioMedicine Online</i> , 2015, 31, 544-556.	2.7	75
143	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.	2.6	59
144	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.	2.3	12

#	ARTICLE	IF	CITATIONS
145	Estrogenic regulation of bicarbonate transporters from SLC4 family in rat Sertoli cells. <i>Molecular and Cellular Biochemistry</i> , 2015, 408, 47-54.	3.1	14
146	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, 1824-1832.	4.1	87
147	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, 91-98.	3.1	76
148	Dose-dependent effects of caffeine in human Sertoli cells metabolism and oxidative profile: Relevance for male fertility. <i>Toxicology</i> , 2015, 328, 12-20.	4.7	80
149	The Warburg Effect Revisited—Lesson from the Sertoli Cell. <i>Medicinal Research Reviews</i> , 2015, 35, 126-151.	13.5	154
150	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> , 2015, 142, 5-16.	2.3	67
151	High-energy diets: a threat for male fertility?. <i>Obesity Reviews</i> , 2014, 15, 996-1007.	7.5	135
152	Aquaporin-9 is expressed in rat Sertoli cells and interacts with the cystic fibrosis transmembrane conductance regulator. <i>IUBMB Life</i> , 2014, 66, 639-644.	2.9	34
153	Physiology of Na <sup>+</sup> /H <sup>+</sup> Exchangers in the Male Reproductive Tract: Relevance for Male Fertility1. <i>Biology of Reproduction</i> , 2014, 91, .	2.5	38
154	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, 1017-1021.	2.1	29
155	Metformin and male reproduction: effects on Sertoli cell metabolism. <i>British Journal of Pharmacology</i> , 2014, 171, 1033-1042.	6.3	83
156	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. <i>General and Comparative Endocrinology</i> , 2014, 201, 16-20.	1.5	23
157	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.	3.1	34
158	Pre-diabetes alters testicular PGC1- $\alpha$ /SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 335-344.	0.9	140
159	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. <i>Prostate</i> , 2014, 74, 1189-1198.	2.1	13
160	Sperm glucose transport and metabolism in diabetic individuals. <i>Molecular and Cellular Endocrinology</i> , 2014, 396, 37-45.	3.4	91
161	Melatonin alters the glycolytic profile of Sertoli cells: implications for male fertility. <i>Molecular Human Reproduction</i> , 2014, 20, 1067-1076.	2.9	81
162	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, 12-18.	4.3	3

#	ARTICLE	IF	CITATIONS
163	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, 608-617.	5.9	61
164	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, 230-235.	6.2	9
165	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, 861-868.	2.7	58
166	Sperm parameters and epididymis function in transgenic rats overexpressing the Ca <sup>2+</sup> -binding protein regucalcin: a hidden role for Ca <sup>2+</sup> in sperm maturation?. <i>Molecular Human Reproduction</i> , 2013, 19, 581-589.	2.9	26
167	Effect of Prediabetes on Membrane Bicarbonate Transporters in Testis and Epididymis. <i>Journal of Membrane Biology</i> , 2013, 246, 877-883.	2.5	19
168	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 626-635.	4.1	206
169	Regulation of apoptotic signaling pathways by 5 $\alpha$ -dihydrotestosterone and 17 $\beta$ -estradiol in immature rat Sertoli cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 135, 15-23.	2.3	49
170	Biochemical and metabolic effects of a short-term exposure to nanoparticles of titanium silicate in tadpoles of <i>Pelophylax perezi</i> (Seoane). <i>Aquatic Toxicology</i> , 2013, 128-129, 190-192.	4.3	24
171	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.	3.1	155
172	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. <i>Reproductive Toxicology</i> , 2013, 38, 81-88.	2.7	60
173	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. <i>Tissue Barriers</i> , 2013, 1, e23992.	4.6	147
174	Effect of white tea ( <i>Camellia sinensis</i> (L.) extract in the glycolytic profile of Sertoli cell. <i>European Journal of Nutrition</i> , 2013, 53, 1383-1391.	3.4	30
175	Restoration of direct pathway glycogen synthesis flux in the STZ-diabetes rat model by insulin administration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E875-E885.	3.0	20
176	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells cultured in vitro. <i>Bioscience Reports</i> , 2012, 32, 61-69.	3.8	102
177	Gender-dependent Metabolic Remodeling During Heart Preservation in Cardioplegic Celsior and Histidine Buffer Solution. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 227-233.	2.0	11
178	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 2077-2084.	2.6	84
179	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, 84-89.	2.0	117
180	Metabolic regulation is important for spermatogenesis. <i>Nature Reviews Urology</i> , 2012, 9, 330-338.	10.1	428

#	ARTICLE	IF	CITATIONS
181	Use of poly(DL-lactide- $\epsilon$ -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, 355-365.	2.4	64
182	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17 $\beta$ -estradiol and suppressed by insulin deprivation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1389-1394.	3.6	67
183	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. <i>Cellular and Molecular Life Sciences</i> , 2012, 70, 777-793.	5.5	195
184	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. <i>Fertility and Sterility</i> , 2011, 96, 745-750.	2.9	23
185	DNA fragmentation in canine oocytes after in vitro maturation in TCM-199 medium supplemented with different proteins. <i>Theriogenology</i> , 2011, 76, 1304-1312.	2.4	5
186	Influence of 5 $\alpha$ -dihydrotestosterone and 17 $\beta$ -estradiol on human Sertoli cells metabolism. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, e612-e620.	3.2	91
187	Sodium hydrosulfide improves the protective potential of the cardioplegic histidine buffer solution. <i>European Journal of Pharmacology</i> , 2011, 654, 60-67.	4.3	21
188	Substrate selection in hearts subjected to ischemia/reperfusion: role of cardioplegic solutions and gender. <i>NMR in Biomedicine</i> , 2011, 24, 1029-1037.	2.4	38
189	Anti-apoptotic protection afforded by cardioplegic celsior and histidine buffer solutions to hearts subjected to ischemia and ischemia/reperfusion. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3872-3881.	3.0	22
190	Mitochondrial Preservation in Celsior Versus Histidine Buffer Solution During Cardiac Ischemia and Reperfusion. <i>Cardiovascular Toxicology</i> , 2009, 9, 185-193.	3.4	13
191	Mitochondrial Involvement in Cardiac Apoptosis During Ischemia and Reperfusion: Can We Close the Box?. <i>Cardiovascular Toxicology</i> , 2009, 9, 211-227.	3.4	38
192	Testicular mitochondrial alterations in untreated streptozotocin-induced diabetic rats. <i>Mitochondrion</i> , 2009, 9, 41-50.	4.0	44