

Mrio Sousa

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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.

264
papers

6,328
citations

41
h-index

66
g-index

273
ext. papers

7,107
ext. citations

3.4
avg, IF

5.68
L-index

#	Paper	IF	Citations
264	Abnormal methylation of imprinted genes in human sperm is associated with oligozoospermia. <i>Molecular Human Reproduction</i> , 2008 , 14, 67-74	4.4	283
263	Genomic imprinting in disruptive spermatogenesis. <i>Lancet, The</i> , 2004 , 363, 1700-2	4.0	276
262	Human oocyte activation after intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1994 , 9, 511-8	5.7	276
261	High frequency of DAZ1/DAZ2 gene deletions in patients with severe oligozoospermia. <i>Molecular Human Reproduction</i> , 2002 , 8, 286-98	4.4	127
260	High deletion frequency of the complete AZFa sequence in men with Sertoli-cell-only syndrome. <i>Molecular Human Reproduction</i> , 2001 , 7, 987-94	4.4	118
259	Ultrastructural analysis of fertilization failure after intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1994 , 9, 2374-80	5.7	118
258	Key elements of a highly efficient intracytoplasmic sperm injection technique: Ca ²⁺ fluxes and oocyte cytoplasmic dislocation. <i>Fertility and Sterility</i> , 1995 , 64, 770-6	4.8	112
257	More than 90% fertilization rates after intracytoplasmic sperm injection and artificial induction of oocyte activation with calcium ionophore. <i>Fertility and Sterility</i> , 1995 , 63, 343-9	4.8	106
256	Developmental potential of human spermatogenic cells co-cultured with Sertoli cells. <i>Human Reproduction</i> , 2002 , 17, 161-72	5.7	102
255	Human spermatogenic failure purges deleterious mutation load from the autosomes and both sex chromosomes, including the gene DMRT1. <i>PLoS Genetics</i> , 2013 , 9, e1003349	6	99
254	Methylation defects of imprinted genes in human testicular spermatozoa. <i>Fertility and Sterility</i> , 2010 , 94, 585-94	4.8	97
253	Major regulatory mechanisms involved in sperm motility. <i>Asian Journal of Andrology</i> , 2017 , 19, 5-14	2.8	95
252	DNA methylation imprinting marks and DNA methyltransferase expression in human spermatogenic cell stages. <i>Epigenetics</i> , 2011 , 6, 1354-61	5.7	94
251	Predictive value of testicular histology in secretory azoospermic subgroups and clinical outcome after microinjection of fresh and frozen-thawed sperm and spermatids. <i>Human Reproduction</i> , 2002 , 17, 1800-10	5.7	94
250	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
249	Comparison of Ca ²⁺ responses in human oocytes fertilized by subzonal insemination and by intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 1994 , 62, 1197-204	4.8	83
248	Calcium responses of human oocytes after intracytoplasmic injection of leukocytes, spermatocytes and round spermatids. <i>Molecular Human Reproduction</i> , 1996 , 2, 853-7	4.4	79

247	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
246	In-vitro maturation of round spermatids using co-culture on Vero cells. <i>Human Reproduction</i> , 1999 , 14, 1287-93	5.7	73
245	Fertilizable oocytes reconstructed from patient's somatic cell nuclei and donor ooplasm. <i>Reproductive BioMedicine Online</i> , 2001 , 2, 160-164	4	66
244	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
243	Developmental potential of elongating and elongated spermatids obtained after in-vitro maturation of isolated round spermatids. <i>Human Reproduction</i> , 2001 , 16, 1938-44	5.7	58
242	Obesity, energy balance and spermatogenesis. <i>Reproduction</i> , 2017 , 153, R173-R185	3.8	56
241	Ultrastructure of tubular smooth endoplasmic reticulum aggregates in human metaphase II oocytes and clinical implications. <i>Fertility and Sterility</i> , 2011 , 96, 143-149.e7	4.8	56
240	Quantitative histopathology of <i>Oreochromis niloticus</i> gills after copper exposure. <i>Journal of Fish Biology</i> , 2008 , 73, 1376-1392	1.9	56
239	Copper toxicity in gills of the teleost fish, <i>Oreochromis niloticus</i> : effects in apoptosis induction and cell proliferation. <i>Aquatic Toxicology</i> , 2009 , 94, 219-28	5.1	54
238	Bioinformatics and Computational Tools for Next-Generation Sequencing Analysis in Clinical Genetics. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	54
237	Treatment by testicular sperm extraction and intracytoplasmic sperm injection of 65 azoospermic patients with non-mosaic Klinefelter syndrome with birth of 17 healthy children. <i>Andrology</i> , 2014 , 2, 623-31	4.2	52
236	Unique (Y;13) translocation in a male with oligozoospermia: cytogenetic and molecular studies. <i>European Journal of Human Genetics</i> , 2002 , 10, 467-74	5.3	52
235	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
234	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
233	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
232	Current problems with spermatid conception. <i>Human Reproduction</i> , 1998 , 13, 255-8	5.7	49
231	Intracellular pH regulation in human Sertoli cells: role of membrane transporters. <i>Reproduction</i> , 2009 , 137, 353-9	3.8	46
230	Spermatids as gametes: indications and limitations. <i>Human Reproduction</i> , 1998 , 13 Suppl 3, 89-107; discussion 108-11	5.7	46

229	DNA fragmentation in human sperm after magnetic-activated cell sorting. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 147-54	3-4	45
228	Estrogen receptors alpha and beta in human testis: both isoforms are expressed. <i>Systems Biology in Reproductive Medicine</i> , 2009 , 55, 137-44	2-9	45
227	Developmental changes in calcium content of ultrastructurally distinct subcellular compartments of preimplantation human embryos. <i>Molecular Human Reproduction</i> , 1997 , 3, 83-90	4-4	45
226	Ultrastructural and cytochemical study of spermatogenesis in <i>Scrobicularia plana</i> (Mollusca, Bivalvia). <i>Gamete Research</i> , 1989 , 24, 393-401		43
225	Quantitative study of caspase-3 activity in semen and after swim-up preparation in relation to sperm quality. <i>Human Reproduction</i> , 2005 , 20, 1307-13	5-7	42
224	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. <i>Neurotoxicity Research</i> , 2016 , 30, 345-66	4-3	41
223	Experimental vitrification of human compacted morulae and early blastocysts using fine diameter plastic micropipettes. <i>Human Reproduction</i> , 2004 , 19, 300-5	5-7	41
222	Successful pregnancy after spermatid injection. <i>Human Reproduction</i> , 1998 , 13, 1898-900	5-7	41
221	Gene expression pattern of IGF2, PHLDA2, PEG10 and CDKN1C imprinted genes in spontaneous miscarriages or fetal deaths. <i>Epigenetics</i> , 2010 , 5, 444-50	5-7	39
220	Unique t(Y;1)(q12;q12) reciprocal translocation with loss of the heterochromatic region of chromosome 1 in a male with azoospermia due to meiotic arrest: a case report. <i>Human Reproduction</i> , 2005 , 20, 689-96	5-7	39
219	Developmental changes in calcium dynamics, protein kinase C distribution and endoplasmic reticulum organization in human preimplantation embryos. <i>Molecular Human Reproduction</i> , 1996 , 2, 967-74	4-4	39
218	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3606-20	3-3	38
217	Copper induced alterations of biochemical parameters in the gill and plasma of <i>Oreochromis niloticus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005 , 141, 375-83	3-3	38
216	Characterization of cystic fibrosis conductance transmembrane regulator gene mutations and IVS8 poly(T) variants in Portuguese patients with congenital absence of the vas deferens. <i>Human Reproduction</i> , 2004 , 19, 2502-8	5-7	38
215	Mechanism of calcium oscillations in human oocytes: a two-store model. <i>Molecular Human Reproduction</i> , 1996 , 2, 383-6	4-4	38
214	LAMA2 gene mutation update: Toward a more comprehensive picture of the laminin- α 2 variome and its related phenotypes. <i>Human Mutation</i> , 2018 , 39, 1314-1337	4-7	36
213	AZFb microdeletions and oligozoospermia--which mechanisms?. <i>Fertility and Sterility</i> , 2012 , 97, 858-63	4-8	36
212	The role of ryanodine-sensitive Ca ²⁺ stores in the Ca ²⁺ oscillation machine of human oocytes. <i>Molecular Human Reproduction</i> , 1996 , 2, 265-72	4-4	36

211	Fine structural study of the spermatogenic cycle in <i>Pitar rudis</i> and <i>Chamelea gallina</i> (Mollusca, Bivalvia, Veneridae). <i>Tissue and Cell</i> , 2002 , 34, 262-72	2.7	36
210	Clinical efficacy of spermatid conception: analysis using a new spermatid classification scheme. <i>Human Reproduction</i> , 1999 , 14, 1279-86	5.7	36
209	An ultrastructural study of <i>Crassostrea angulata</i> (Mollusca, Bivalvia) spermatogenesis. <i>Marine Biology</i> , 1994 , 120, 545-551	2.5	36
208	Sperm-induced calcium oscillations of human oocytes show distinct features in oocyte center and periphery. <i>Molecular Reproduction and Development</i> , 1995 , 41, 257-63	2.6	36
207	Fertility and Sperm Quality in the Aging Male. <i>Current Pharmaceutical Design</i> , 2017 , 23, 4429-4437	3.3	36
206	Identification of new breakpoints in AZFb and AZFc. <i>Molecular Human Reproduction</i> , 2008 , 14, 251-8	4.4	35
205	AZF and DAZ gene copy-specific deletion analysis in maturation arrest and Sertoli cell-only syndrome. <i>Molecular Human Reproduction</i> , 2004 , 10, 755-61	4.4	35
204	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
203	An efficient protocol for the detection of chromosomal abnormalities in spontaneous miscarriages or foetal deaths. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009 , 147, 144-50	2.4	30
202	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
201	New splicing mutation in the choline kinase beta (CHKB) gene causing a muscular dystrophy detected by whole-exome sequencing. <i>Journal of Human Genetics</i> , 2015 , 60, 305-12	4.3	29
200	Caspase signalling pathways in human spermatogenesis. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 487-95	3.4	28
199	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
198	Y-chromosome microdeletions in nonobstructive azoospermia and severe oligozoospermia. <i>Asian Journal of Andrology</i> , 2017 , 19, 338-345	2.8	27
197	Membrane transporters and cytoplasmatic pH regulation on bovine Sertoli cells. <i>Journal of Membrane Biology</i> , 2009 , 227, 49-55	2.3	27
196	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
195	Cryopreservation of human testicular diploid germ cell suspensions. <i>Andrologia</i> , 2012 , 44, 366-72	2.4	26
194	A stereological study of copper toxicity in gills of <i>Oreochromis niloticus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 213-223	7	26

193	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
192	Efficient modification of intracytoplasmic sperm injection technique for cases with total lack of sperm movement. <i>Human Reproduction</i> , 1997 , 12, 1227-9	5.7	26
191	Molecular characterization of the cystic fibrosis transmembrane conductance regulator gene in congenital absence of the vas deferens. <i>Genetics in Medicine</i> , 2007 , 9, 163-72	8.1	26
190	Development of a zona-free method of nuclear transfer in the mouse. <i>Cloning and Stem Cells</i> , 2005 , 7, 126-38		26
189	Flocculation of <i>Kluyveromyces marxianus</i> is induced by a temperature upshift. <i>Yeast</i> , 1993 , 9, 859-66	3.4	26
188	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
187	Regucalcin, a calcium-binding protein with a role in male reproduction?. <i>Molecular Human Reproduction</i> , 2012 , 18, 161-70	4.4	25
186	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
185	The role of estrogens and estrogen receptor signaling pathways in cancer and infertility: the case of schistosomes. <i>Trends in Parasitology</i> , 2015 , 31, 246-50	6.4	24
184	Aneuploidies detection in miscarriages and fetal deaths using multiplex ligation-dependent probe amplification: an alternative for speeding up results?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2010 , 153, 151-5	2.4	24
183	Effect of zona pellucida removal on DNA methylation in early mouse embryos. <i>Biology of Reproduction</i> , 2006 , 74, 307-13	3.9	24
182	New insights on hormones and factors that modulate Sertoli cell metabolism. <i>Histology and Histopathology</i> , 2016 , 31, 499-513	1.4	24
181	Impact of GnRH ovarian stimulation protocols on intracytoplasmic sperm injection outcomes. <i>Reproductive Biology and Endocrinology</i> , 2009 , 7, 5	5	23
180	Effects of protein kinase C activation and inhibition on sperm-, thimerosal-, and ryanodine-induced calcium responses of human oocytes. <i>Molecular Human Reproduction</i> , 1996 , 2, 699-708	4.4	23
179	Ultrastructural evaluation of recurrent and in-vitro maturation resistant metaphase I arrested oocytes. <i>Human Reproduction</i> , 2001 , 16, 2394-8	5.7	23
178	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
177	Pregnancy and birth after intracytoplasmic sperm injection with totally immotile sperm recovered from the ejaculate. <i>Fertility and Sterility</i> , 1997 , 67, 1091-4	4.8	22
176	Preimplantation genetic diagnosis for familial amyloidotic polyneuropathy (FAP). <i>Prenatal Diagnosis</i> , 2001 , 21, 1093-9	3.2	22

175	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
174	Mutation analysis in patients with total sperm immotility. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 893-902	3.4	21
173	Ovarian hyperstimulation syndrome: a clinical report on 4894 consecutive ART treatment cycles. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 66	5	21
172	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
171	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
170	Cytological and expression studies and quantitative analysis of the temporal and stage-specific effects of follicle-stimulating hormone and testosterone during cocultures of the normal human seminiferous epithelium. <i>Biology of Reproduction</i> , 2008 , 79, 962-75	3.9	21
169	DAZ gene copies: evidence of Y chromosome evolution. <i>Molecular Human Reproduction</i> , 2006 , 12, 519-23	4.4	21
168	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
167	Urinary estrogen metabolites and self-reported infertility in women infected with <i>Schistosoma haematobium</i> . <i>PLoS ONE</i> , 2014 , 9, e96774	3.7	20
166	Molecular basis of bicarbonate membrane transport in the male reproductive tract. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4037-49	4.3	20
165	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
164	Ultrastructural characterization of fresh and cryopreserved in vivo produced ovine embryos. <i>Theriogenology</i> , 2009 , 71, 947-58	2.8	19
163	Flow cytometry evaluation of lead and cadmium effects on mouse spermatogenesis. <i>Reproductive Toxicology</i> , 2006 , 22, 529-35	3.4	19
162	Preimplantation genetic diagnosis using FISH for carriers of Robertsonian translocations: the Portuguese experience. <i>Prenatal Diagnosis</i> , 2002 , 22, 1153-62	3.2	19
161	Embryological, clinical and ultrastructural study of human oocytes presenting indented zona pellucida. <i>Zygote</i> , 2015 , 23, 145-57	1.6	18
160	Molecular cytogenetics of human single pronucleated zygotes. <i>Reproductive Sciences</i> , 2014 , 21, 1472-82	3	18
159	Human endometrium ultrastructure during the implantation window: a new perspective of the epithelium cell types. <i>Reproductive Sciences</i> , 2011 , 18, 525-39	3	18
158	Phosphatidylserine translocation in human spermatozoa from impaired spermatogenesis. <i>Reproductive BioMedicine Online</i> , 2009 , 19, 770-7	4	18

157	Comparative Silver Staining Analysis on Spermatozoa of Various Invertebrate Species. <i>International Journal of Invertebrate Reproduction and Development</i> , 1988 , 13, 1-8		18
156	The new neuromuscular disease related with defects in the ASC-1 complex: report of a second case confirms ASCC1 involvement. <i>Clinical Genetics</i> , 2017 , 92, 434-439	4	17
155	Clinical and Genetic Analysis of Children with Kartagener Syndrome. <i>Cells</i> , 2019 , 8,	7.9	17
154	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
153	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
152	Association of cystic fibrosis genetic modifiers with congenital bilateral absence of the vas deferens. <i>Fertility and Sterility</i> , 2010 , 94, 2122-7	4.8	17
151	Sperm DNA fragmentation is related to sperm morphological staining patterns. <i>Reproductive BioMedicine Online</i> , 2015 , 31, 506-15	4	16
150	Exonization of an Intronic LINE-1 Element Causing Becker Muscular Dystrophy as a Novel Mutational Mechanism in Dystrophin Gene. <i>Genes</i> , 2017 , 8,	4.2	16
149	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. <i>Cell and Tissue Research</i> , 2015 , 362, 431-40	4.2	16
148	Differential distribution of Alzheimer® amyloid precursor protein family variants in human sperm. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1096, 196-206	6.5	16
147	Sirtuins: Novel Players in Male Reproductive Health. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1084-99	4.3	16
146	Impact of Metformin on Male Reproduction. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3621-33	3.3	16
145	Expression of stem cell markers: OCT4, KIT, ITGA6, and ITGB1 in the male germinal epithelium. <i>Systems Biology in Reproductive Medicine</i> , 2013 , 59, 233-43	2.9	15
144	Fine structure of the branchial epithelium in the teleost <i>Oreochromis niloticus</i> . <i>Journal of Morphology</i> , 2010 , 271, 621-33	1.6	15
143	DNA mismatch repair gene hMLH3 variants in meiotic arrest. <i>Fertility and Sterility</i> , 2007 , 88, 1681-4	4.8	14
142	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
141	First transplantation of cryopreserved ovarian tissue in Portugal, stored for 10 years: an unexpected indication. <i>Reproductive BioMedicine Online</i> , 2016 , 32, 334-6	4	13
140	A novel Alu-mediated microdeletion at 11p13 removes WT1 in a patient with cryptorchidism and azoospermia. <i>Reproductive BioMedicine Online</i> , 2014 , 29, 388-91	4	13

139	Caspase-3 detection in human testicular spermatozoa from azoospermic and non-azoospermic patients. <i>Journal of Developmental and Physical Disabilities</i> , 2011 , 34, e407-14		13
138	Modifications to improve the efficiency of zona-free mouse nuclear transfer. <i>Cloning and Stem Cells</i> , 2006 , 8, 10-5		13
137	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
136	Effect of in vitro exposure to lead chloride on semen quality and sperm DNA fragmentation. <i>Zygote</i> , 2015 , 23, 384-93	1.6	12
135	"Omics" of human sperm: profiling protein phosphatases. <i>OMICS A Journal of Integrative Biology</i> , 2013 , 17, 460-72	3.8	12
134	Immunohistochemical analysis of CFTR in normal and disrupted spermatogenesis. <i>Systems Biology in Reproductive Medicine</i> , 2013 , 59, 53-9	2.9	12
133	A novel missense mutation P1290S at exon-20 of the CFTR gene in a Portuguese patient with congenital bilateral absence of the vas deferens. <i>Fertility and Sterility</i> , 2005 , 83, 448-51	4.8	12
132	Prognostic factors for successful testicle spermatid recover. <i>Molecular and Cellular Endocrinology</i> , 2000 , 166, 37-43	4.4	12
131	An ultrastructural study of spermatogenesis in <i>Helcion pellucidus</i> (Gastropoda, Prosobranchia). <i>Invertebrate Reproduction and Development</i> , 1994 , 26, 119-125	0.7	12
130	Presence of a trypsin-like protease in starfish sperm acrosome. <i>The Journal of Experimental Zoology</i> , 1992 , 261, 349-54		12
129	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. <i>Current Drug Targets</i> , 2015 , 16, 993-1006	3	12
128	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
127	DNA methylation imprinting errors in spermatogenic cells from maturation arrest azoospermic patients. <i>Andrology</i> , 2017 , 5, 451-459	4.2	11
126	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
125	Late-onset hypogonadism and lifestyle-related metabolic disorders. <i>Andrology</i> , 2020 , 8, 1530-1538	4.2	11
124	Characterization of CCDC103 expression profiles: further insights in primary ciliary dyskinesia and in human reproduction. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 1683-1700	3.4	11
123	Rare double sex and mab-3-related transcription factor 1 regulatory variants in severe spermatogenic failure. <i>Andrology</i> , 2015 , 3, 825-33	4.2	11
122	Human testis-specific PDHA2 gene: methylation status of a CpG island in the open reading frame correlates with transcriptional activity. <i>Molecular Genetics and Metabolism</i> , 2010 , 99, 425-30	3.7	11

121	Stereologic characterization of bovine (<i>Bos taurus</i>) cumulus-oocyte complexes aspirated from small antral follicles during the diestrous phase. <i>Biology of Reproduction</i> , 2001 , 65, 1383-91	3.9	11
120	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
119	The mutational spectrum of WT1 in male infertility. <i>Journal of Urology</i> , 2015 , 193, 1709-15	2.5	10
118	New massive parallel sequencing approach improves the genetic characterization of congenital myopathies. <i>Journal of Human Genetics</i> , 2016 , 61, 497-505	4.3	10
117	A Histological Study of Oogenesis in the Freshwater Mussel <i>Anodonta cygnea</i> (Linnaeus, 1758) in Mira Lagoon, Portugal. <i>Malacologia</i> , 2012 , 55, 251-261	1.1	10
116	Mutational characterization of steroid 21-hydroxylase gene in Portuguese patients with congenital adrenal hyperplasia. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010 , 118, 505-12	2.3	10
115	Ex vivo differentiation of natural killer cells from human umbilical cord blood CD34+ progenitor cells. <i>Cell Communication and Adhesion</i> , 2011 , 18, 45-55		10
114	Proposed corrections to the IEC 61131-3 standard. <i>Computer Standards and Interfaces</i> , 2010 , 32, 312-320	3.5	10
113	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. <i>Antioxidants</i> , 2020 , 9,	7.1	10
112	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
111	Glycerol and testicular activity: the good, the bad and the ugly. <i>Molecular Human Reproduction</i> , 2017 , 23, 725-737	4.4	9
110	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
109	Ultrastructural and cytogenetic analyses of mature human oocyte dysmorphisms with respect to clinical outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1041-57	3.4	9
108	Testicular lactate content is compromised in men with Klinefelter Syndrome. <i>Molecular Reproduction and Development</i> , 2016 , 83, 208-16	2.6	9
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