

Mãrio Sousa

List of Publications by Year in descending order

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271
papers

8,036
citations

46984

47
h-index

74108

75
g-index

273
all docs

273
docs citations

273
times ranked

7003
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal methylation of imprinted genes in human sperm is associated with oligozoospermia. <i>Molecular Human Reproduction</i> , 2008, 14, 67-74.	1.3	330
2	Genomic imprinting in disruptive spermatogenesis. <i>Lancet, The</i> , 2004, 363, 1700-1702.	6.3	321
3	Human oocyte activation after intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1994, 9, 511-518.	0.4	300
4	Major regulatory mechanisms involved in sperm motility. <i>Asian Journal of Andrology</i> , 2017, 19, 5.	0.8	178
5	High frequency of DAZ1/DAZ2 gene deletions in patients with severe oligozoospermia. <i>Molecular Human Reproduction</i> , 2002, 8, 286-298.	1.3	153
6	High deletion frequency of the complete AZFa sequence in men with Sertoli-cell-only syndrome. <i>Molecular Human Reproduction</i> , 2001, 7, 987-994.	1.3	148
7	Fertilization and early embryology: Ultrastructural analysis of fertilization failure after intracytoplasmic sperm injection. <i>Human Reproduction</i> , 1994, 9, 2374-2380.	0.4	133
8	Bioinformatics and Computational Tools for Next-Generation Sequencing Analysis in Clinical Genetics. <i>Journal of Clinical Medicine</i> , 2020, 9, 132.	1.0	126
9	Key elements of a highly efficient intracytoplasmic sperm injection technique: Ca ²⁺ fluxes and oocyte cytoplasmic dislocation. <i>Fertility and Sterility</i> , 1995, 64, 770-776.	0.5	121
10	Developmental potential of human spermatogenic cells co-cultured with Sertoli cells. <i>Human Reproduction</i> , 2002, 17, 161-172.	0.4	121
11	DNA methylation imprinting marks and DNA methyltransferase expression in human spermatogenic cell stages. <i>Epigenetics</i> , 2011, 6, 1354-1361.	1.3	118
12	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.	1.5	118
13	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, 343-349.	0.5	116
14	Methylation defects of imprinted genes in human testicular spermatozoa. <i>Fertility and Sterility</i> , 2010, 94, 585-594.	0.5	114
15	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.	1.1	108
16	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, 1800-1810.	0.4	107
17	Comparison of Ca ²⁺ responses in human oocytes fertilized by subzonal insemination and by intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 1994, 62, 1197-1204.	0.5	94
18	In-vitro maturation of round spermatids using co-culture on Vero cells. <i>Human Reproduction</i> , 1999, 14, 1287-1293.	0.4	91

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19	Calcium responses of human oocytes after intracytoplasmic injection of leukocytes, spermatocytes and round spermatids. <i>Molecular Human Reproduction</i> , 1996, 2, 853-857.	1.3	89
20	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-e620.	3.6	82
21	Fertilizable oocytes reconstructed from patient's somatic cell nuclei and donor ooplasts. <i>Reproductive BioMedicine Online</i> , 2001, 2, 160-164.	1.1	81
22	Obesity, energy balance and spermatogenesis. <i>Reproduction</i> , 2017, 153, R173-R185.	1.1	75
23	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, 219-228.	1.9	74
24	Fertility and Sperm Quality in the Aging Male. <i>Current Pharmaceutical Design</i> , 2017, 23, 4429-4437.	0.9	74
25	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.	0.5	73
26	<i>LAMA2</i> 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.	1.1	71
27	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, 375-383.	1.3	70
28	Dose-dependent effects of caffeine in human Sertoli cells metabolism and oxidative profile: Relevance for male fertility. <i>Toxicology</i> , 2015, 328, 12-20.	2.0	70
29	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.	1.8	69
30	Developmental potential of elongating and elongated spermatids obtained after in-vitro maturation of isolated round spermatids. <i>Human Reproduction</i> , 2001, 16, 1938-1944.	0.4	68
31	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, 623-631.	1.9	68
32	Quantitative histopathology of <i>Oreochromis niloticus</i> gills after copper exposure. <i>Journal of Fish Biology</i> , 2008, 73, 1376-1392.	0.7	67
33	Sertoli cell as a model in male reproductive toxicology: Advantages and disadvantages. <i>Journal of Applied Toxicology</i> , 2015, 35, 870-883.	1.4	65
34	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, 1389-1394.	1.9	63
35	Antidiabetic Drugs: Mechanisms of Action and Potential Outcomes on Cellular Metabolism. <i>Current Pharmaceutical Design</i> , 2015, 21, 3606-3620.	0.9	60
36	Developmental changes in calcium content of ultrastructurally distinct subcellular compartments of preimplantation human embryos. <i>Molecular Human Reproduction</i> , 1997, 3, 83-90.	1.3	58

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37	Unique (Y;13) translocation in a male with oligozoospermia: cytogenetic and molecular studies. <i>European Journal of Human Genetics</i> , 2002, 10, 467-474.	1.4	56
38	Estrogen Receptors $\hat{1}$ and $\hat{2}$ in Human Testis: Both Isoforms are Expressed. <i>Systems Biology in Reproductive Medicine</i> , 2009, 55, 137-144.	1.0	56
39	DNA fragmentation in human sperm after magnetic-activated cell sorting. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 147-154.	1.2	56
40	Sperm-induced calcium oscillations of human oocytes show distinct features in oocyte center and periphery. <i>Molecular Reproduction and Development</i> , 1995, 41, 259-263.	1.0	55
41	Current problems with spermatid conception. <i>Human Reproduction</i> , 1998, 13, 255-258.	0.4	54
42	Intracellular pH regulation in human Sertoli cells: role of membrane transporters. <i>Reproduction</i> , 2009, 137, 353-359.	1.1	52
43	Spermatids as gametes: indications and limitations. <i>Human Reproduction</i> , 1998, 13, 89-107.	0.4	51
44	Gene expression pattern of <i>IGF2</i> , <i>PHLDA2</i> , <i>PEG10</i> and <i>CDKN1C</i> imprinted genes in spontaneous miscarriages or fetal deaths. <i>Epigenetics</i> , 2010, 5, 444-450.	1.3	51
45	AZFb microdeletions and oligozoospermia— which mechanisms?. <i>Fertility and Sterility</i> , 2012, 97, 858-863.	0.5	50
46	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.	0.4	49
47	Quantitative study of caspase-3 activity in semen and after swim-up preparation in relation to sperm quality. <i>Human Reproduction</i> , 2005, 20, 1307-1313.	0.4	48
48	Are Polyphenols Strong Dietary Agents Against Neurotoxicity and Neurodegeneration?. <i>Neurotoxicity Research</i> , 2016, 30, 345-366.	1.3	47
49	Ultrastructural and cytochemical study of spermatogenesis in <i>Scrobicularia plana</i> (Mollusca, Bivalvia). <i>Gamete Research</i> , 1989, 24, 393-401.	1.7	46
50	Successful pregnancy after spermatid injection. <i>Human Reproduction</i> , 1998, 13, 1898-1900.	0.4	46
51	Clinical efficacy of spermatid conception: analysis using a new spermatid classification scheme. <i>Human Reproduction</i> , 1999, 14, 1279-1286.	0.4	46
52	Characterization of cystic fibrosis conductance transmembrane regulator gene mutations and <i>IVS8</i> poly(T) variants in Portuguese patients with congenital absence of the vas deferens. <i>Human Reproduction</i> , 2004, 19, 2502-2508.	0.4	45
53	Experimental vitrification of human compacted morulae and early blastocysts using fine diameter plastic micropipettes. <i>Human Reproduction</i> , 2004, 19, 300-305.	0.4	44
54	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, 689-696.	0.4	44

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55	Developmental changes in calcium dynamics, protein kinase C distribution and endoplasmic reticulum organization in human preimplantation embryos. <i>Molecular Human Reproduction</i> , 1996, 2, 967-977.	1.3	42
56	Preimplantation embryology. <i>Molecular Human Reproduction</i> , 1996, 2, 265-272.	1.3	42
57	Calcium oscillations in human oocytes. <i>Molecular Human Reproduction</i> , 1996, 2, 383-386.	1.3	41
58	Fine structural study of the spermatogenic cycle in <i>Pitar rudis</i> and <i>Chamelea gallina</i> (Mollusca, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.0	41
59	Male fertility and obesity: are ghrelin, leptin and glucagon-like peptide-1 pharmacologically relevant?. <i>Current Pharmaceutical Design</i> , 2016, 22, 783-791.	0.9	41
60	An ultrastructural study of <i>Crassostrea angulata</i> (Mollusca, Bivalvia) spermatogenesis. <i>Marine Biology</i> , 1994, 120, 545-551.	0.7	39
61	AZF and DAZ gene copy-specific deletion analysis in maturation arrest and Sertoli cell-only syndrome. <i>Molecular Human Reproduction</i> , 2004, 10, 755-761.	1.3	39
62	Identification of new breakpoints in AZFb and AZFc. <i>Molecular Human Reproduction</i> , 2008, 14, 251-258.	1.3	39
63	Y-chromosome microdeletions in nonobstructive azoospermia and severe oligozoospermia. <i>Asian Journal of Andrology</i> , 2017, 19, 338.	0.8	39
64	Caspase signalling pathways in human spermatogenesis. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 487-495.	1.2	37
65	Physiology of Na ⁺ /H ⁺ Exchangers in the Male Reproductive Tract: Relevance for Male Fertility ¹ . <i>Biology of Reproduction</i> , 2014, 91, 11.	1.2	37
66	Mutation analysis in patients with total sperm immotility. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 893-902.	1.2	36
67	Regucalcin, a calcium-binding protein with a role in male reproduction?. <i>Molecular Human Reproduction</i> , 2012, 18, 161-170.	1.3	35
68	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.	1.6	35
69	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. <i>Reproduction</i> , 2011, 142, 447-456.	1.1	34
70	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 235-253.	2.3	34
71	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.	1.8	34
72	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, 144-150.	0.5	33

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73	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, 305-312.	1.1	33
74	Effect of Zona Pellucida Removal on DNA Methylation in Early Mouse Embryos. <i>Biology of Reproduction</i> , 2006, 74, 307-313.	1.2	32
75	A stereological study of copper toxicity in gills of <i>Oreochromis niloticus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 213-223.	2.9	32
76	Cryopreservation of human testicular diploid germ cell suspensions. <i>Andrologia</i> , 2012, 44, 366-372.	1.0	32
77	Ovarian hyperstimulation syndrome: a clinical report on 4894 consecutive ART treatment cycles. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 66.	1.4	32
78	An Open Source IEC 61131-3 Integrated Development Environment. <i>Industrial Informatics</i> , 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	31
79	Membrane Transporters and Cytoplasmatic pH Regulation on Bovine Sertoli Cells. <i>Journal of Membrane Biology</i> , 2009, 227, 49-55.	1.0	31
80	Impact of GnRH ovarian stimulation protocols on intracytoplasmic sperm injection outcomes. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 5.	1.4	31
81	Embryological, clinical and ultrastructural study of human oocytes presenting indented zona pellucida. <i>Zygote</i> , 2015, 23, 145-157.	0.5	31
82	Efficient modification of intracytoplasmic sperm injection technique for cases with total lack of sperm movement. <i>Human Reproduction</i> , 1997, 12, 1227-1229.	0.4	30
83	Molecular characterization of the cystic fibrosis transmembrane conductance regulator gene in congenital absence of the vas deferens. <i>Genetics in Medicine</i> , 2007, 9, 163-172.	1.1	29
84	Flocculation of <i>Kluyveromyces marxianus</i> is induced by a temperature upshift. <i>Yeast</i> , 1993, 9, 859-866.	0.8	28
85	Ultrastructural evaluation of recurrent and in-vitro maturation resistant metaphase I arrested oocytes. <i>Human Reproduction</i> , 2001, 16, 2394-2398.	0.4	28
86	Preimplantation genetic diagnosis for familial amyloidotic polyneuropathy (FAP). <i>Prenatal Diagnosis</i> , 2001, 21, 1093-1099.	1.1	28
87	Development of a Zona-Free Method of Nuclear Transfer in the Mouse. <i>Cloning and Stem Cells</i> , 2005, 7, 126-138.	2.6	28
88	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.	1.5	28
89	The role of estrogens and estrogen receptor signaling pathways in cancer and infertility: the case of schistosomes. <i>Trends in Parasitology</i> , 2015, 31, 246-250.	1.5	28
90	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.	2.4	28

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91	New insights on hormones and factors that modulate Sertoli cell metabolism. <i>Histology and Histopathology</i> , 2016, 31, 499-513.	0.5	28
92	Pregnancy and birth after intracytoplasmic sperm injection with totally immotile sperm recovered from the ejaculate. <i>Fertility and Sterility</i> , 1997, 67, 1091-1094.	0.5	27
93	Urinary Estrogen Metabolites and Self-Reported Infertility in Women Infected with <i>Schistosoma haematobium</i> . <i>PLoS ONE</i> , 2014, 9, e96774.	1.1	27
94	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.	1.2	27
95	Clinical and Genetic Analysis of Children with Kartagener Syndrome. <i>Cells</i> , 2019, 8, 900.	1.8	26
96	Molecular Basis of Bicarbonate Membrane Transport in the Male Reproductive Tract. <i>Current Medicinal Chemistry</i> , 2013, 20, 4037-4049.	1.2	26
97	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 Epithelium1. <i>Biology of Reproduction</i> , 2008, 79, 962-975.	1.2	25
98	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, 151-155.	0.5	25
99	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.	1.0	25
100	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. <i>Fertility and Sterility</i> , 2016, 105, 825-833.e3.	0.5	25
101	Exonization of an Intronic LINE-1 Element Causing Becker Muscular Dystrophy as a Novel Mutational Mechanism in Dystrophin Gene. <i>Genes</i> , 2017, 8, 253.	1.0	25
102	Mitochondrial Activation and Reactive Oxygen-Species Overproduction during Sperm Capacitation are Independent of Glucose Stimuli. <i>Antioxidants</i> , 2020, 9, 750.	2.2	25
103	Late-onset hypogonadism and lifestyle-related metabolic disorders. <i>Andrology</i> , 2020, 8, 1530-1538.	1.9	25
104	Impact of Metformin on Male Reproduction. <i>Current Pharmaceutical Design</i> , 2015, 21, 3621-3633.	0.9	25
105	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.	1.3	24
106	Human Endometrium Ultrastructure During the Implantation Window: A New Perspective of the Epithelium Cell Types. <i>Reproductive Sciences</i> , 2011, 18, 525-539.	1.1	24
107	Molecular Cytogenetics of Human Single Pronucleated Zygotes. <i>Reproductive Sciences</i> , 2014, 21, 1472-1482.	1.1	24
108	Sirtuins: Novel Players in Male Reproductive Health. <i>Current Medicinal Chemistry</i> , 2016, 23, 1084-1099.	1.2	24

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109	Preimplantation genetic diagnosis using FISH for carriers of Robertsonian translocations: the Portuguese experience. <i>Prenatal Diagnosis</i> , 2002, 22, 1153-1162.	1.1	23
110	Flow cytometry evaluation of lead and cadmium effects on mouse spermatogenesis. <i>Reproductive Toxicology</i> , 2006, 22, 529-535.	1.3	23
111	DAZ gene copies: evidence of Y chromosome evolution. <i>Molecular Human Reproduction</i> , 2006, 12, 519-523.	1.3	23
112	Ultrastructural characterization of fresh and cryopreserved in vivo produced ovine embryos. <i>Theriogenology</i> , 2009, 71, 947-958.	0.9	23
113	Estradiol modulates Na ⁺ -dependent HCO ₃ ⁻ transporters altering intracellular pH and ion transport in human Sertoli cells: A role on male fertility?. <i>Biology of the Cell</i> , 2016, 108, 179-188.	0.7	23
114	The new neuromuscular disease related with defects in the <i>ASCC1</i> complex: report of a second case confirms <i>ASCC1</i> involvement. <i>Clinical Genetics</i> , 2017, 92, 434-439.	1.0	23
115	Characterization of <i>CCDC103</i> expression profiles: further insights in primary ciliary dyskinesia and in human reproduction. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 1683-1700.	1.2	23
116	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.	2.2	23
117	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.	1.3	23
118	Phosphatidylserine translocation in human spermatozoa from impaired spermatogenesis. <i>Reproductive BioMedicine Online</i> , 2009, 19, 770-777.	1.1	22
119	Apoptosis-inhibitor <i>Aven</i> is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. <i>Fertility and Sterility</i> , 2011, 96, 745-750.	0.5	22
120	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. <i>General and Comparative Endocrinology</i> , 2014, 201, 16-20.	0.8	21
121	L-Theanine promotes cultured human Sertoli cells proliferation and modulates glucose metabolism. <i>European Journal of Nutrition</i> , 2019, 58, 2961-2970.	1.8	21
122	Association of cystic fibrosis genetic modifiers with congenital bilateral absence of the vas deferens. <i>Fertility and Sterility</i> , 2010, 94, 2122-2127.	0.5	20
123	Metabolic fingerprints in testicular biopsies from type 1 diabetic patients. <i>Cell and Tissue Research</i> , 2015, 362, 431-440.	1.5	20
124	Comparative Silver Staining Analysis on Spermatozoa of Various Invertebrate Species. <i>International Journal of Invertebrate Reproduction and Development</i> , 1988, 13, 1-8.	0.8	19
125	Differential Distribution of Alzheimer's Amyloid Precursor Protein Family Variants in Human Sperm. <i>Annals of the New York Academy of Sciences</i> , 2007, 1096, 196-206.	1.8	19
126	Expression of stem cell markers: OCT4, KIT, ITGA6, and ITGB1 in the male germinal epithelium. <i>Systems Biology in Reproductive Medicine</i> , 2013, 59, 233-243.	1.0	19

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127	Effect of <i>in vitro</i> exposure to lead chloride on semen quality and sperm DNA fragmentation. <i>Zygote</i> , 2015, 23, 384-393.	0.5	19
128	Body mass index is associated with region-dependent metabolic reprogramming of adipose tissue. <i>BBA Clinical</i> , 2017, 8, 1-6.	4.1	19
129	A novel Alu-mediated microdeletion at 11p13 removes WT1 in a patient with cryptorchidism and azoospermia. <i>Reproductive BioMedicine Online</i> , 2014, 29, 388-391.	1.1	18
130	Sperm DNA fragmentation is related to sperm morphological staining patterns. <i>Reproductive BioMedicine Online</i> , 2015, 31, 506-515.	1.1	18
131	mTOR Signaling Pathway Regulates Sperm Quality in Older Men. <i>Cells</i> , 2019, 8, 629.	1.8	18
132	CFTR Regulation of Aquaporin-Mediated Water Transport: A Target in Male Fertility. <i>Current Drug Targets</i> , 2015, 16, 993-1006.	1.0	18
133	Fine structure of the branchial epithelium in the teleost <i>Oreochromis niloticus</i> . <i>Journal of Morphology</i> , 2010, 271, 621-633.	0.6	17
134	Immunohistochemical analysis of CFTR in normal and disrupted spermatogenesis. <i>Systems Biology in Reproductive Medicine</i> , 2013, 59, 53-59.	1.0	17
135	Rare double sex and mab-3-related transcription factor 1 regulatory variants in severe spermatogenic failure. <i>Andrology</i> , 2015, 3, 825-833.	1.9	17
136	Ultrastructural and cytogenetic analyses of mature human oocyte dysmorphisms with respect to clinical outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 1041-1057.	1.2	17
137	First transplantation of cryopreserved ovarian tissue in Portugal, stored for 10 years: an unexpected indication. <i>Reproductive BioMedicine Online</i> , 2016, 32, 334-336.	1.1	17
138	DNA mismatch repair gene hMLH3 variants in meiotic arrest. <i>Fertility and Sterility</i> , 2007, 88, 1681-1684.	0.5	16
139	Proposed corrections to the IEC 61131-3 standard. <i>Computer Standards and Interfaces</i> , 2010, 32, 312-320.	3.8	16
140	The Role of ROS as a Double-Edged Sword in (In)Fertility: The Impact of Cancer Treatment. <i>Cancers</i> , 2022, 14, 1585.	1.7	16
141	Birth After Electroejaculation Coupled to Intracytoplasmic Sperm Injection in a Gun-Shot Spinal Cord-Injured Man. <i>Archives of Andrology</i> , 1998, 41, 5-9.	1.0	15
142	Modifications to Improve the Efficiency of Zona-Free Mouse Nuclear Transfer. <i>Cloning and Stem Cells</i> , 2006, 8, 10-15.	2.6	15
143	Caspase-3 detection in human testicular spermatozoa from azoospermic and non-azoospermic patients. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, e407-e414.	3.6	15
144	New massive parallel sequencing approach improves the genetic characterization of congenital myopathies. <i>Journal of Human Genetics</i> , 2016, 61, 497-505.	1.1	15

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145	<sc>DNA</sc> methylation imprinting errors in spermatogenic cells from maturation arrest azoospermic patients. <i>Andrology</i> , 2017, 5, 451-459.	1.9	15
146	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, 448-451.	0.5	14
147	Reviewing Large LAMA2 Deletions and Duplications in Congenital Muscular Dystrophy Patients. <i>Journal of Neuromuscular Diseases</i> , 2014, 1, 169-179.	1.1	14
148	Testicular lactate content is compromised in men with Klinefelter Syndrome. <i>Molecular Reproduction and Development</i> , 2016, 83, 208-216.	1.0	14
149	Glycerol and testicular activity: the good, the bad and the ugly. <i>Molecular Human Reproduction</i> , 2017, 23, 725-737.	1.3	14
150	Shedding light into the relevance of telomeres in human reproduction and male factor infertility. <i>Biology of Reproduction</i> , 2019, 100, 318-330.	1.2	14
151	Prognostic factors for successful testicle spermatid recover. <i>Molecular and Cellular Endocrinology</i> , 2000, 166, 37-43.	1.6	13
152	OMICS of Human Sperm: Profiling Protein Phosphatases. <i>OMICS A Journal of Integrative Biology</i> , 2013, 17, 460-472.	1.0	13
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