

CITATION REPORT

List of articles citing

Capacitation as a regulatory event that primes spermatozoa for the acrosome reaction and fertilization

DOI: 10.1093/molehr/3.3.175

Molecular Human Reproduction, 1997, 3, 175-94.

Source: <https://exaly.com/paper-pdf/28205390/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| # | Paper | IF | Citations |
|-----|--|----|-----------|
| 329 | Interactions between a decapacitation factor and mouse spermatozoa appear to involve fucose residues and a GPI-anchored receptor. 1998 , 51, 193-202 | | 38 |
| 328 | GPX3: the plasma-type glutathione peroxidase is expressed under androgenic control in the mouse epididymis and vas deferens. 1998 , 51, 362-72 | | 54 |
| 327 | FPP modulates mammalian sperm function via TCP-11 and the adenylyl cyclase/cAMP pathway. 1998 , 51, 468-76 | | 26 |
| 326 | Paradoxical effect of reagents for sulfhydryl and disulfide groups on human sperm capacitation and superoxide production. 1998 , 25, 803-17 | | 58 |
| 325 | Sperm capacitation is, after all, a prerequisite for both partial and complete acrosome reaction. 1998 , 427, 309-13 | | 32 |
| 324 | Relative impact of oxidative stress on the functional competence and genomic integrity of human spermatozoa. 1998 , 59, 1037-46 | | 569 |
| 323 | The biological and functional significance of the sperm acrosome and acrosomal enzymes in mammalian fertilization. 1998 , 240, 151-64 | | 129 |
| 322 | Follicular fluid and human granulosa cell cultures: influence on sperm kinetic parameters, hyperactivation, and acrosome reaction. 1998 , 69, 112-7 | | 19 |
| 321 | Nongenomic Effects of Progesterone on Spermatozoa: Mechanisms of Signal Transduction and Clinical Implications. 1998 , 18, 417-431 | | 1 |
| 320 | Regulation of protein phosphorylation during sperm capacitation. 1998 , 59, 1-6 | | 372 |
| 319 | Nitric oxide regulates human sperm capacitation and protein-tyrosine phosphorylation in vitro. 1999 , 61, 575-81 | | 87 |
| 318 | Relative contribution of leukocytes and of spermatozoa to reactive oxygen species production in human sperm suspensions. 1999 , 22, 229-35 | | 80 |
| 317 | In vitro inhibition of superoxide anion production and superoxide dismutase activity by zinc in human spermatozoa. 1999 , 22, 266-74 | | 23 |
| 316 | Modulation of adenylyl cyclase by FPP and adenosine involves stimulatory and inhibitory adenosine receptors and g proteins. 1999 , 53, 459-71 | | 49 |
| 315 | Responses of monkey epididymal sperm of different maturational status to second messengers mediating protein tyrosine phosphorylation, acrosome reaction, and motility. 1999 , 54, 194-202 | | 22 |
| 314 | Assurance de qualite en biologie de la reproduction. 1999 , 9, 347-363 | | |
| 313 | Fertilization promoting peptide and adenosine, acting as first messengers, regulate cAMP production and consequent protein tyrosine phosphorylation in a capacitation-dependent manner. 2000 , 57, 384-92 | | 32 |

| | | |
|-----|--|-----|
| 312 | Mammalian oviduct and protection against free oxygen radicals: expression of genes encoding antioxidant enzymes in human and mouse. 2000 , 89, 1-6 | 58 |
| 311 | Contemporary approach to the male infertility evaluation. 2000 , 27, 487-516, v | 7 |
| 310 | Antioxidants and reactive oxygen species in human fertility. 2001 , 10, 189-98 | 62 |
| 309 | Fertilization promoting peptide--a possible regulator of sperm function in vivo. 2001 , 63, 1-28 | 17 |
| 308 | Stimulation by n6-cyclopentyladenosine of A1 adenosine receptors, coupled to galphai2 protein subunit, has a capacitative effect on human spermatozoa. 2001 , 64, 1653-9 | 25 |
| 307 | Effect of seminal phospholipid-binding proteins and follicular fluid on bovine sperm capacitation. 2001 , 65, 41-51 | 53 |
| 306 | Presence of cyclic nucleotide phosphodiesterases PDE1A, existing as a stable complex with calmodulin, and PDE3A in human spermatozoa. 2002 , 67, 423-30 | 56 |
| 305 | Regulation of the phosphotyrosine content of human sperm proteins by intracellular Ca ²⁺ : role of Ca ²⁺ -adenosine triphosphatases. 2002 , 67, 1538-45 | 20 |
| 304 | Regulation of the human sperm tyrosine kinase c-yes. Activation by cyclic adenosine 3',5'-cyclic monophosphate and inhibition by Ca(2+). 2002 , 67, 301-7 | 72 |
| 303 | Capacitation. 2002 , 57-117 | 38 |
| 302 | Current status of sperm cryopreservation: why isn't it better?. 2002 , 57, 327-44 | 259 |
| 301 | Comprehensive office evaluation in the new millennium. 2002 , 29, 873-94 | 14 |
| 300 | Novel signaling pathways involved in sperm acquisition of fertilizing capacity. 2002 , 53, 133-50 | 265 |
| 299 | Lactate dehydrogenase-C4 is involved in heparin- and NADH-dependent bovine sperm capacitation. 2002 , 34, 91-7 | 19 |
| 298 | Capacitation state-dependent changes in adenosine receptors and their regulation of adenylyl cyclase/cAMP. 2002 , 63, 245-55 | 41 |
| 297 | Calcitonin acts as a first messenger to regulate adenylyl cyclase/cAMP and mammalian sperm function. 2003 , 65, 228-36 | 22 |
| 296 | Evidence for multiple distinctly localized adenylyl cyclase isoforms in mammalian spermatozoa. 2003 , 66, 181-9 | 77 |
| 295 | Redox control of changes in protein sulfhydryl levels during human sperm capacitation. 2003 , 35, 1271-85 | 42 |

| | | | |
|-----|--|-----|-----|
| 294 | Capacitation: Signaling Pathways Involved in Sperm Acquisition of Fertilizing Capacity. 2003 , 237-256 | | 1 |
| 293 | Male genital tract inflammation: The role of selected interleukins in regulation of pro-oxidant and antioxidant enzymatic substances in seminal plasma. 2003 , 24, 448-55 | | 92 |
| 292 | 17beta-Estradiol and environmental estrogens significantly affect mammalian sperm function. 2003 , 18, 100-7 | | 126 |
| 291 | ESP13.2, a member of the beta-defensin family, is a macaque sperm surface-coating protein involved in the capacitation process. 2003 , 69, 1118-28 | | 71 |
| 290 | Nitric oxide regulates the phosphorylation of the threonine-glutamine-tyrosine motif in proteins of human spermatozoa during capacitation. 2003 , 68, 1291-8 | | 60 |
| 289 | The <i>Drosophila</i> misfire gene has an essential role in sperm activation during fertilization. 2003 , 78, 253-66 | | 28 |
| 288 | Reduced polyspermic fertilization of porcine oocytes utilizing elevated bicarbonate and reduced calcium concentrations in a single-medium system. 2003 , 15, 249-54 | | 17 |
| 287 | Requirement for an intact cytoskeleton for volume regulation in boar spermatozoa. 2004 , 127, 105-15 | | 23 |
| 286 | Various protein kinases regulate human sperm acrosome reaction and the associated phosphorylation of Tyr residues and of the Thr-Glu-Tyr motif. <i>Molecular Human Reproduction</i> , 2005 , 11, 211-21 | 4-4 | 37 |
| 285 | Angiotensin II stimulates cAMP production and protein tyrosine phosphorylation in mouse spermatozoa. 2004 , 127, 601-12 | | 16 |
| 284 | Novel tyrosine-phosphorylated post-pyruvate metabolic enzyme, dihydrolipoamide dehydrogenase, involved in capacitation of hamster spermatozoa. 2004 , 70, 887-99 | | 40 |
| 283 | Correlation between tyrosine phosphorylation intensity of a 107 kDa protein band and A23187-induced acrosome reaction in human spermatozoa. 2004 , 36, 370-7 | | 3 |
| 282 | Modulation of human sperm function by follicular fluid. 2004 , 36, 395-401 | | 9 |
| 281 | Identification and isolation of boar sperm specific antigens with potential role in sperm-egg interaction. 2004 , 64, 91-106 | | |
| 280 | Annexin V binding to plasma membrane predicts the quality of human cryopreserved spermatozoa. 2004 , 27, 108-14 | | 28 |
| 279 | Role of hydrogen peroxide in sperm capacitation and acrosome reaction. 2004 , 70, 518-22 | | 145 |
| 278 | Fluorometric study of rabbit sperm head membrane phospholipid asymmetry during capacitation and acrosome reaction using Annexin-V FITC. 2004 , 50, 273-85 | | 11 |
| 277 | Motility and penetration competence of frozen-thawed miniature pig spermatozoa are substantially altered by exposure to seminal plasma before freezing. 2004 , 61, 351-64 | | 24 |

| | | | |
|-----|---|-----|-----|
| 276 | Involvement of A1 adenosine receptors in the acquisition of fertilizing capacity. 2004 , 25, 286-92 | | 33 |
| 275 | Inhibitors of phosphoinositide 3-kinase, LY294002 and wortmannin, affect sperm capacitation and associated phosphorylation of proteins differently: Ca ²⁺ -dependent divergences. 2004 , 25, 573-85 | | 52 |
| 274 | Sperm capacitation in the porcine oviduct. 2004 , 80, 131-46 | | 85 |
| 273 | New insights into possible factors contributing to male subfertility. 2005 , 4, 45-52 | | |
| 272 | Phosphodiesterase 11 (PDE11) regulation of spermatozoa physiology. 2005 , 17, 216-23 | | 62 |
| 271 | New insights into possible factors contributing to male subfertility. 2005 , 4, 45-52 | | 2 |
| 270 | First messenger regulation of mammalian sperm function via adenylyl cyclase/cAMP. 2005 , 51, 37-46 | | 26 |
| 269 | Reactive oxygen species and protein kinases modulate the level of phospho-MEK-like proteins during human sperm capacitation. 2005 , 73, 94-105 | | 75 |
| 268 | A mouse sperm decapacitation factor receptor is phosphatidylethanolamine-binding protein 1. 2005 , 130, 497-508 | | 55 |
| 267 | Novelty of the pyruvate metabolic enzyme dihydrolipoamide dehydrogenase in spermatozoa: correlation of its localization, tyrosine phosphorylation, and activity during sperm capacitation. 2005 , 280, 25743-53 | | 28 |
| 266 | Contraceptive vaccines targeting sperm. 2005 , 5, 381-92 | | 25 |
| 265 | Characterization of the endocannabinoid system in boar spermatozoa and implications for sperm capacitation and acrosome reaction. 2005 , 118, 4393-404 | | 165 |
| 264 | Induction of human sperm capacitation and protein tyrosine phosphorylation by endometrial cells and interleukin-6. <i>Molecular Human Reproduction</i> , 2005 , 11, 141-50 | 4.4 | 30 |
| 263 | Tyrosine phosphorylation generates multiple isoforms of the mitochondrial capsule protein, phospholipid hydroperoxide glutathione peroxidase (PHGPx), during hamster sperm capacitation. 2005 , 72, 164-71 | | 30 |
| 262 | Protein tyrosine phosphorylation, hyperactivation and progesterone-induced acrosome reaction are enhanced in IVF media: an effect that is not associated with an increase in protein kinase A activation. <i>Molecular Human Reproduction</i> , 2005 , 11, 523-9 | 4.4 | 34 |
| 261 | Cathine and norephedrine, both phenylpropanolamines, accelerate capacitation and then inhibit spontaneous acrosome loss. 2005 , 20, 198-207 | | 30 |
| 260 | Mouse uterine 24p3 protein as a suppressor of sperm acrosome reaction. 2005 , 32, 237-45 | | 5 |
| 259 | Acrosome reaction in bovine spermatozoa: role of reactive oxygen species and lactate dehydrogenase C4. 2005 , 1726, 96-101 | | 39 |

| | | |
|-----|--|-----|
| 258 | Bicarbonate-induced membrane processing in sperm capacitation. 2005 , 63, 342-51 | 146 |
| 257 | Boar spermatozoa in the oviduct. 2005 , 63, 514-35 | 168 |
| 256 | Molecular physiology and pathology of Ca ²⁺ -conducting channels in the plasma membrane of mammalian sperm. 2005 , 129, 251-62 | 34 |
| 255 | Calcium channels and Ca ²⁺ fluctuations in sperm physiology. 2005 , 243, 79-172 | 120 |
| 254 | Superoxide dismutase, catalase, and glutathione peroxidase during epididymal maturation and prolonged storage of spermatozoa in the Mexican big-eared bat (<i>Corynorhinus mexicanus</i>). 2005 , 83, 1556-1565 | 9 |
| 253 | Heparin- and superoxide anion-dependent capacitation of cryopreserved bovine spermatozoa: requirement of dehydrogenases and protein kinases. 2006 , 40, 427-32 | 11 |
| 252 | Effect of Quercetin on Capacitation Status and Lipid Peroxidation of Stallion Spermatozoa. 2006 , 4, 169-177 | 16 |
| 251 | Design of high-throughput-compatible protocols for microencapsulation, cryopreservation and release of bovine spermatozoa. 2006 , 123, 155-63 | 16 |
| 250 | Comparative concentrations of steroid hormones and proteins in human peri-ovulatory peritoneal and follicular fluids. 2006 , 13, 202-7 | 15 |
| 249 | Human testicular protein NYD-SP16 is involved in sperm capacitation and the acrosome reaction. 2006 , 86, 1228-34 | 7 |
| 248 | Lipid composition of the main fractions of rabbit semen. 2006 , 65, 703-12 | 28 |
| 247 | Respiratory burst and NAD(P)H oxidase activity are involved in capacitation of cryopreserved bovine spermatozoa. 2006 , 65, 882-92 | 28 |
| 246 | Effects of estrogenic xenobiotics on human and mouse spermatozoa. 2006 , 21, 1184-93 | 75 |
| 245 | Effect of relaxin on motility, acrosome reaction and viability of cryopreserved boar spermatozoa. 2006 , 5, 215-220 | 8 |
| 244 | Phosphodiesterase 11: a brief review of structure, expression and function. 2006 , 18, 501-9 | 47 |
| 243 | Surface mapping of binding of oviductin to the plasma membrane of golden hamster spermatozoa during in vitro capacitation and acrosome reaction. 2006 , 73, 756-66 | 23 |
| 242 | Decreased protein tyrosine phosphorylation and membrane fluidity in spermatozoa from infertile men with varicocele. 2006 , 73, 1591-9 | 16 |
| 241 | Reactive oxygen species modulate independent protein phosphorylation pathways during human sperm capacitation. 2006 , 40, 1045-55 | 101 |

| | | | |
|-----|--|-----|-----|
| 240 | Antimicrobial drug ornidazole inhibits hamster sperm capacitation, in vitro. <i>Reproductive Toxicology</i> , 2006 , 22, 702-9 | 3-4 | 5 |
| 239 | The potential impact of novel investigational compounds on human fertility. 2006 , 15, 1179-89 | | 3 |
| 238 | Slo3 K+ channels: voltage and pH dependence of macroscopic currents. 2006 , 128, 317-36 | | 42 |
| 237 | Na+/K+ATPase as a signaling molecule during bovine sperm capacitation. 2006 , 75, 308-17 | | 45 |
| 236 | Current concepts of molecular events during bovine and porcine spermatozoa capacitation. 2007 , 53, 109-23 | | 25 |
| 235 | PGAP1 knock-out mice show otocephaly and male infertility. 2007 , 282, 30373-80 | | 68 |
| 234 | Glycosylation related actions of glycodefin: gamete, cumulus cell, immune cell and clinical associations. 2007 , 13, 275-87 | | 66 |
| 233 | The macaque sperm actin cytoskeleton reorganizes in response to osmotic stress and contributes to morphological defects and decreased motility. 2007 , 77, 942-53 | | 50 |
| 232 | Genomic structure and tissue-specific expression of human and mouse genes encoding homologues of the major bovine seminal plasma proteins. <i>Molecular Human Reproduction</i> , 2007 , 13, 45-53 | 44 | 32 |
| 231 | Direct effect of macrophage migration inhibitory factor on sperm function: possible involvement in endometriosis-associated infertility. 2007 , 88, 1240-7 | | 31 |
| 230 | La reacci3 acros3mica del espermatozoide: avances recientes. <i>Revista Internacional De Andrologi3</i> , 2007 , 5, 368-373 | 0.6 | 5 |
| 229 | D-Mannose-binding sites are putative sperm determinants of human oocyte recognition and fertilization. 2007 , 15, 182-90 | | 10 |
| 228 | Effect of relaxin on the motility, acrosome reaction and utilization of glucose of fresh and frozen-thawed bovine spermatozoa. 2007 , 78, 495-502 | | 7 |
| 227 | Antisperm antibodies and conception. 2007 , 29, 169-84 | | 79 |
| 226 | Reactive oxygen species, total antioxidant concentration of seminal plasma and their effect on sperm parameters and outcome of IVF/ICSI patients. 2008 , 277, 515-26 | | 43 |
| 225 | In vitro effect of pulsed 900 MHz GSM radiation on mitochondrial membrane potential and motility of human spermatozoa. 2008 , 29, 268-76 | | 38 |
| 224 | Sperm activation: role of reactive oxygen species and kinases. 2008 , 1784, 106-15 | | 206 |
| 223 | Physiological action of oestradiol on the acrosome reaction in human spermatozoa. 2008 , 40, 146-51 | | 30 |

| | | | |
|-----|--|-----|-----|
| 222 | Impact of oxidative stress on IVF. 2008 , 3, 539-554 | | 58 |
| 221 | Acrosomal status and mitochondrial activity of human spermatozoa vitrified with sucrose. 2008 , 136, 167-73 | | 118 |
| 220 | Recombinant expression and affinity purification of a novel epididymal human sperm-binding protein, BSPH1. <i>Molecular Human Reproduction</i> , 2009 , 15, 105-14 | 4-4 | 26 |
| 219 | Hamster sperm capacitation: role of pyruvate dehydrogenase A and dihydrolipoamide dehydrogenase. 2008 , 79, 190-9 | | 31 |
| 218 | Leptin and leptin receptor in pig spermatozoa: evidence of their involvement in sperm capacitation and survival. 2008 , 136, 23-32 | | 46 |
| 217 | RANTES and human sperm fertilizing ability: effect on acrosome reaction and sperm/oocyte fusion. <i>Molecular Human Reproduction</i> , 2008 , 14, 387-91 | 4-4 | 11 |
| 216 | Increased activity of the human sperm tyrosine kinase SRC by the cAMP-dependent pathway in the presence of calcium. 2008 , 79, 657-66 | | 51 |
| 215 | Evaluation of Sperm Damage: Beyond the WHO Criteria. 161-177 | | |
| 214 | An epididymis-specific secretory protein HongrES1 critically regulates sperm capacitation and male fertility. 2008 , 3, e4106 | | 62 |
| 213 | Interactions between apoptotic signal transduction and capacitation in human spermatozoa. 2009 , 24, 2071-8 | | 28 |
| 212 | Characterization of the endocannabinoid system in human spermatozoa and involvement of transient receptor potential vanilloid 1 receptor in their fertilizing ability. 2009 , 150, 4692-700 | | 93 |
| 211 | Beta-chemokine receptor CCR5 in human spermatozoa and its relationship with seminal parameters. 2009 , 24, 2979-87 | | 4 |
| 210 | The presence and function of dopamine type 2 receptors in boar sperm: a possible role for dopamine in viability, capacitation, and modulation of sperm motility. 2009 , 80, 753-61 | | 42 |
| 209 | Reactive oxygen species and boar sperm function. 2009 , 81, 553-61 | | 133 |
| 208 | Acaciaside-B-enriched fraction of <i>Acacia auriculiformis</i> is a prospective spermicide with no mutagenic property. 2009 , 138, 453-62 | | 11 |
| 207 | Potential involvement of several signaling pathways in initiation of the chicken acrosome reaction. 2009 , 81, 657-65 | | 30 |
| 206 | Reactive oxygen-induced reactive oxygen formation during human sperm capacitation. 2009 , 46, 502-10 | | 95 |
| 205 | Control of superoxide and nitric oxide formation during human sperm capacitation. 2009 , 46, 1420-7 | | 49 |

| | | |
|-----|--|-----|
| 204 | Role of translation by mitochondrial-type ribosomes during sperm capacitation: an analysis based on a proteomic approach. 2009 , 9, 1385-99 | 51 |
| 203 | Tyrosine phosphoproteome of hamster spermatozoa: role of glycerol-3-phosphate dehydrogenase 2 in sperm capacitation. 2009 , 9, 1809-26 | 41 |
| 202 | Human ribonuclease 9, a member of ribonuclease A superfamily, specifically expressed in epididymis, is a novel sperm-binding protein. 2009 , 11, 240-51 | 22 |
| 201 | NYD-SP27, a novel intrinsic decapacitation factor in sperm. 2009 , 11, 229-39 | 25 |
| 200 | Enhancement in motility of sperm co-incubated with cumulus oocyte complex (COC) in vitro. 2009 , 145, 167-71 | 6 |
| 199 | Human tubal secretion can modify the affinity of human spermatozoa for the zona pellucida. 2009 , 91, 407-13 | 14 |
| 198 | [In vitro capacitation]. 2009 , 37, 523-8 | 4 |
| 197 | Peroxynitrite participates in mechanisms involved in capacitation of cryopreserved cattle. 2009 , 110, 96-107 | 27 |
| 196 | On the Origin of Descended Scrotal Testicles: The Activation Hypothesis. 2009 , 7, 147470490900700 | 16 |
| 195 | A practical novel method for ensuring stable capacitation of spermatozoa from cryopreserved C57BL/6J sperm suspension. 2009 , 58, 395-401 | 15 |
| 194 | Na ⁺ /K ⁺ ATPase regulates sperm capacitation through a mechanism involving kinases and redistribution of its testis-specific isoform. 2010 , 77, 136-48 | 39 |
| 193 | The "switching on" of mammalian spermatozoa: molecular events involved in promotion and regulation of capacitation. 2010 , 77, 197-208 | 59 |
| 192 | Reactive oxygen and nitrogen species in normal physiological processes. 2010 , 198, 15-35 | 101 |
| 191 | Soy, phyto-oestrogens and male reproductive function: a review. 2010 , 33, 304-16 | 75 |
| 190 | Effect of alpha-tocopherol on bovine in vitro fertilization. 2010 , 45, 81-5 | 11 |
| 189 | Zona pellucida-induced acrosome reaction in human spermatozoa is potentiated by glycodelin-A via down-regulation of extracellular signal-regulated kinases and up-regulation of zona pellucida-induced calcium influx. 2010 , 25, 2721-33 | 24 |
| 188 | The effect of anti-eppin antibodies on ionophore A23187-induced calcium influx and acrosome reaction of human spermatozoa. 2010 , 25, 29-36 | 19 |
| 187 | Assessment of human sperm protein tyrosine phosphorylation by immunocytochemistry in a clinical andrology laboratory. Preliminary data. 2009 , 84, 321-8 | 2 |

| | | |
|-----|--|-----|
| 186 | Block of mouse Slo1 and Slo3 K+ channels by CTX, IbTX, TEA, 4-AP and quinidine. 2010 , 4, 22-41 | 45 |
| 185 | Levels of semenogelin in human spermatozoa decrease during capacitation: involvement of reactive oxygen species and zinc. 2010 , 25, 1619-30 | 31 |
| 184 | New insights into sperm physiology and pathology. 2010 , 99-115 | 58 |
| 183 | Proteins from human oviductal tissue-conditioned medium modulate sperm capacitation. 2010 , 25, 1504-12 | 28 |
| 182 | The acrosomal protein Dickkopf-like 1 (DKKL1) facilitates sperm penetration of the zona pellucida. 2010 , 93, 1533-7 | 13 |
| 181 | Sperm treatment affects capacitation parameters and penetration ability of ejaculated and epididymal boar spermatozoa. 2010 , 74, 1327-40 | 50 |
| 180 | Factors regulating sperm capacitation. 2010 , 56, 334-48 | 114 |
| 179 | Hydrogen peroxide modifies human sperm peroxiredoxins in a dose-dependent manner. 2011 , 84, 238-47 | 85 |
| 178 | Fish (<i>Oncorhynchus mykiss</i>) spermatozoa cryoprotectant-free vitrification: stability of mitochondrion as criterion of effectiveness. 2011 , 124, 125-31 | 58 |
| 177 | Expression of dysadherin in the human male reproductive tract and in spermatozoa. 2011 , 96, 554-561.e2 | 7 |
| 176 | Impacts of oxidative stress and antioxidants on semen functions. 2010 , 2010, | 234 |
| 175 | Sperm of the wasted mutant are wasted when females utilize the stored sperm in <i>Drosophila melanogaster</i> . 2011 , 86, 97-108 | 9 |
| 174 | Effects of guaiazulene on in vitro bovine embryo production and on mRNA transcripts related to embryo quality. 2011 , 46, 862-9 | 17 |
| 173 | Molecular cloning of sheep and cashmere goat <i>Pdia3</i> and localization in sheep testis. 2011 , 46, 980-9 | 2 |
| 172 | Endogenous reactive oxygen species content and modulation of tyrosine phosphorylation during sperm capacitation. 2011 , 34, 411-9 | 29 |
| 171 | Endometriosis-associated infertility: double intrauterine insemination improves fecundity in patients positive for antiendometrial antibodies. 2011 , 66, 100-7 | 2 |
| 170 | Prostasomes: inhibitors of capacitation and modulators of cellular signalling in human sperm. 2011 , 34, 568-80 | 60 |
| 169 | Effects of reduced glutathione and catalase on the kinematics and membrane functionality of sperm during liquid storage of ram semen. 2011 , 100, 44-49 | 42 |

| | | |
|-----|---|--------|
| 168 | Nitric oxide involvement in the acrosome reaction triggered by leptin in pig sperm. 2011 , 9, 133 | 19 |
| 167 | Association between sperm quality, oxidative stress, and seminal antioxidant activity. 2011 , 44, 319-24 | 129 |
| 166 | Regulation and characterization of the ATP-binding cassette transporter-B1 in the epididymis and epididymal spermatozoa of the rat. 2011 , 119, 369-79 | 17 |
| 165 | Effects of heat stress on the well-being, fertility, and hatchability of chickens in the northern Guinea savannah zone of Nigeria: a review. 2011 , 2011, 838606 | 45 |
| 164 | Evaluation of correct endogenous reactive oxygen species content for human sperm capacitation and involvement of the NADPH oxidase system. 2011 , 26, 3264-73 | 35 |
| 163 | Calcium channels in the development, maturation, and function of spermatozoa. 2011 , 91, 1305-55 | 232 |
| 162 | Methylxanthines and reproduction. 2011 , 349-72 | 6 |
| 161 | Epididymal maturation and ejaculation are key events for further in vitro capacitation of boar spermatozoa. 2012 , 78, 867-77 | 14 |
| 160 | Characterization and activity of angiotensin-converting enzyme in Holstein semen. 2012 , 133, 35-42 | 11 |
| 159 | Cholesterol and the biosynthesis of glycosphingolipids are required for sperm activation in <i>Caenorhabditis elegans</i> . 2012 , 1821, 934-42 | 8 |
| 158 | Disrupted redox homeostasis and aberrant redox gene expression in porcine oocytes contribute to decreased developmental competence. 2012 , 87, 78 | 30 |
| 157 | Characterization of recombinant murine binder of sperm protein homolog 1 and its role in capacitation. 2012 , 87, 20, 1-11 | 14 |
| 156 | Sperm Capacitation as an Oxidative Event. 2012 , 57-94 | 10 |
| 155 | Biochemical identification and characterisation of changes associated with capacitation of mannosylated glycoproteins in murine sperm. 2012 , 44 Suppl 1, 747-55 | 4 |
| 154 | Effect of the addition of two superoxide dismutase analogues (Tempo and Tempol) to alpaca semen extender for cryopreservation. 2013 , 79, 842-6 | 25 |
| 153 | The effect of bovine serum albumin and fetal calf serum on sperm quality, DNA fragmentation and lipid peroxidation of the liquid stored rabbit semen. 2013 , 67, 1-6 | 27 |
| 152 | Investigation of the mechanisms by which the molecular chaperone HSPA2 regulates the expression of sperm surface receptors involved in human sperm-oocyte recognition. <i>Molecular Human Reproduction</i> , 2013 , 19, 120-35 | 4.4 62 |
| 151 | Spermatozoa vitrification of sex-reversed rainbow trout (<i>Oncorhynchus mykiss</i>): Effect of seminal plasma on physiological parameters. 2013 , 372-375, 119-126 | 61 |

| | | |
|-----|---|--------|
| 150 | Search for a potent microbicidal spermicide from the isolates of <i>Shorea robusta</i> resin. 2013 , 88, 133-40 | 11 |
| 149 | Sperm capacitation combined with removal of the sperm acrosome and plasma membrane enhances paternal nucleus remodelling and early development of bovine androgenetic embryos. 2013 , 25, 624-38 | 5 |
| 148 | Boar Spermatozoa Within the Oviductal Environment (II): Sperm Capacitation. 2013 , 347-405 | 1 |
| 147 | Effect of different extenders on in vitro characteristics of feline epididymal sperm during cryopreservation. 2013 , 48, 665-72 | 15 |
| 146 | Influence of bovine sperm DNA fragmentation and oxidative stress on early embryo in vitro development outcome. 2013 , 146, 433-41 | 75 |
| 145 | Nanoscale differences in the shape and size of X and Y chromosome-bearing bovine sperm heads assessed by atomic force microscopy. 2013 , 8, e59387 | 40 |
| 144 | Expression and secretion of plasma membrane Ca ²⁺ -ATPase 4a (PMCA4a) during murine estrus: association with oviductal exosomes and uptake in sperm. 2013 , 8, e80181 | 100 |
| 143 | The role of oxidative stress and antioxidants in male fertility. 2013 , 66, 60-7 | 216 |
| 142 | Effect of astaxanthin on human sperm capacitation. 2013 , 11, 1909-19 | 26 |
| 141 | Oxidative Stress in Pathogenesis. 2014 , 19-53 | |
| 140 | The antioxidant system of sterlet seminal fluid in testes and Wolffian ducts. 2014 , 40, 1731-9 | 16 |
| 139 | Porcine sperm capacitation involves tyrosine phosphorylation and activation of aldose reductase. 2014 , 148, 389-401 | 19 |
| 138 | Bioenergetics of mammalian sperm capacitation. 2014 , 2014, 902953 | 68 |
| 137 | Murine Binder of SPerm homolog 2 (BSPH2): the black sheep of the BSP superfamily. 2014 , 90, 20 | 10 |
| 136 | Sperm DNA damage caused by oxidative stress: modifiable clinical, lifestyle and nutritional factors in male infertility. 2014 , 28, 684-703 | 225 |
| 135 | Implication of the human Binder of SPerm Homolog 1 (BSPH1) protein in capacitation. <i>Molecular Human Reproduction</i> , 2014 , 20, 409-21 | 4-4 17 |
| 134 | Central role of soluble adenylyl cyclase and cAMP in sperm physiology. 2014 , 1842, 2610-20 | 115 |
| 133 | Effect of various commercial buffers on sperm viability and capacitation. 2014 , 60, 239-44 | 5 |

| | | |
|-----|---|--------|
| 132 | Human sperm liver receptor homolog-1 (LRH-1) acts as a downstream target of the estrogen signaling pathway. 2015 , 227, 541-9 | 8 |
| 131 | The porcine sperm reservoir in relation to the function of hyaluronan. 2015 , 61, 245-50 | 14 |
| 130 | Oxidative phosphorylation versus glycolysis: what fuel do spermatozoa use?. 2015 , 17, 230-5 | 152 |
| 129 | SNF-10 connects male-derived signals to the onset of sperm motility in <i>C. elegans</i> . 2015 , 4, e1003002 | 0 |
| 128 | Role and Significance of Sperm Function in Men with Unexplained Infertility. 2015 , 91-119 | 2 |
| 127 | Contemporary evidence on the physiological role of reactive oxygen species in human sperm function. 2015 , 32, 509-20 | 130 |
| 126 | Antioxidant effect of crocin on bovine sperm quality and in vitro fertilization. 2015 , 84, 1273-82 | 41 |
| 125 | Fibronectin stimulates human sperm capacitation through the cyclic AMP/protein kinase A pathway. 2015 , 30, 2138-51 | 22 |
| 124 | Effect of argan oil on liquid storage of ram semen in Tris or skim milk based extenders. 2015 , 160, 57-67 | 17 |
| 123 | Murine binder of sperm protein homolog 1: a new player in HDL-induced capacitation. 2015 , 149, 367-76 | 9 |
| 122 | Sperm volumetric dynamics during in vitro capacitation process in bovine spermatozoa. 2015 , 9, 1016-24 | 4 |
| 121 | Sperm Physiology and Assessment of Spermatogenesis Kinetics In Vivo. 2015 , 383-396 | 2 |
| 120 | High glucose concentrations per se do not adversely affect human sperm function in vitro. 2015 , 150, 77-84 | 18 |
| 119 | Systemic oxidative stress could predict assisted reproductive technique outcome. 2015 , 32, 699-704 | 12 |
| 118 | Plasma membrane Ca ²⁺ -ATPase 4: interaction with constitutive nitric oxide synthases in human sperm and prostasomes which carry Ca ²⁺ /CaM-dependent serine kinase. <i>Molecular Human Reproduction</i> , 2015 , 21, 832-43 | 4.4 24 |
| 117 | Participation of membrane adenylyl cyclase in heparin-induced capacitation in cryopreserved bovine spermatozoa. 2015 , 47, 30-6 | 3 |
| 116 | Antioxidative effects of cysteamine, hyaluronan and fetuin on post-thaw semen quality, DNA integrity and oxidative stress parameters in the Brown Swiss bull. 2015 , 47, 138-47 | 33 |
| 115 | Oxidative stress impairs function and increases redox protein modifications in human spermatozoa. 2015 , 149, 113-23 | 93 |

| | | |
|-----|--|----|
| 114 | Oral antioxidants supplementation for women with unexplained infertility undergoing ICSI/IVF: randomized controlled trial. 2015 , 18, 38-42 | 20 |
| 113 | Effect of seminal plasma on Atlantic salmon (<i>Salmo salar</i>) sperm vitrification. 2015 , 83, 238-45.e2 | 62 |
| 112 | Oxidative stress and motility in tench <i>Tinca tinca</i> spermatozoa. 2016 , 60, 250-262 | 8 |
| 111 | In Vitro Antioxidant Treatment of Semen Samples in Assisted Reproductive Technology: Effects of Myo-Inositol on Nemaspermic Parameters. 2016 , 2016, 2839041 | 23 |
| 110 | Heat Sensing Receptor TRPV1 Is a Mediator of Thermotaxis in Human Spermatozoa. 2016 , 11, e0167622 | 28 |
| 109 | Asiatic acid, a non-detergent type spermicide: exploration of plausible pathway of spermicidal action. 2016 , 25, 1908-1915 | 1 |
| 108 | Cryopreservation of bull semen: Evolution from egg yolk based to soybean based extenders. 2016 , 172, 1-9 | 61 |
| 107 | Protective effect of crocetin on bovine spermatozoa against oxidative stress during in vitro fertilization. 2016 , 4, 1138-1149 | 18 |
| 106 | Molecular characterization and sub-cellular distribution of JNK and JIP4 protein kinases in spermatogenesis and acrosome reaction of the Chinese mitten crab <i>Eriocheir sinensis</i> H. Milne Edwards, 1853 (Crustacea: Brachyura: Varunidae). 2016 , 36, 684-694 | 4 |
| 105 | Sperm conjugation in mammal reproductive function: Different names for the same phenomenon?. 2016 , 83, 884-896 | 9 |
| 104 | Characterization of proteolytic and anti-proteolytic activity involvement in sterlet spermatozoon maturation. 2016 , 42, 1755-1766 | 3 |
| 103 | Capacitation-Associated Glycocomponents of Mammalian Sperm. <i>Reproductive Sciences</i> , 2016 , 23, 572-94 | 16 |
| 102 | Evolution and function of mammalian binder of sperm proteins. 2016 , 363, 105-127 | 45 |
| 101 | Effects of <i>Heliopsis longipes</i> ethanolic extract on mouse spermatozoa in vitro. 2016 , 54, 266-71 | 1 |
| 100 | Role of protein phosphorylation/dephosphorylation in fish sperm motility activation: State of the art and perspectives. 2017 , 472, 73-80 | 19 |
| 99 | Incubation of boar spermatozoa in viscous media by addition of methylcellulose improves sperm quality and penetration rates during in vitro fertilization. 2017 , 92, 14-23 | 9 |
| 98 | The copper transporter (SLC31A1/CTR1) is expressed in bovine spermatozoa and oocytes: Copper in IVF medium improves sperm quality. 2017 , 97, 124-133 | 9 |
| 97 | Physiological Roles of Reactive Oxygen Species (ROS) in the Reproductive System. 2017 , 47-64 | 2 |

| | | |
|----|---|----|
| 96 | Sperm capacitation pretreatment positively impacts bovine intracytoplasmic sperm injection. 2017 , 84, 649-659 | 9 |
| 95 | Technologies of cryoprotectant-free vitrification of human spermatozoa: asepticity as criterion of effectiveness. 2017 , 5, 1055-1063 | 27 |
| 94 | Reactive oxygen species and protein modifications in spermatozoa. 2017 , 97, 577-585 | 55 |
| 93 | The Sperm. 2017 , 171-204 | 1 |
| 92 | Improving porcine in vitro fertilization output by simulating the oviductal environment. 2017 , 7, | 14 |
| 91 | Subfertility in bulls carrying a nonsense mutation in transmembrane protein 95 is due to failure to interact with the oocyte vestments. 2017 , 97, 50-60 | 13 |
| 90 | Neuronal signaling repertoire in the mammalian sperm functionality. 2017 , 96, 505-524 | 8 |
| 89 | Redistribution of soluble N-ethylmaleimide-sensitive-factor attachment protein receptors in mouse sperm membranes prior to the acrosome reaction. 2017 , 96, 352-365 | 4 |
| 88 | Effect of semen preparation technique and its incubation on sperm quality in the Moroccan population. 2017 , 49, e12688 | 6 |
| 87 | In vitro effects of zinc, D-aspartic acid, and coenzyme-Q10 on sperm function. 2017 , 56, 408-415 | 23 |
| 86 | Gamete compatibility genes in mammals: candidates, applications and a potential path forward. 2017 , 4, 170577 | 9 |
| 85 | Development of sea bream (<i>Sparus aurata</i>) semen vitrification protocols. 2018 , 110, 103-109 | 14 |
| 84 | Biological effects of polyphenol-rich extract and fractions from an oenological oak-derived tannin on in vitro swine sperm capacitation and fertilizing ability. 2018 , 108, 284-290 | 14 |
| 83 | Supplementation of ram semen extender to improve seminal quality and fertility rate. 2018 , 192, 6-17 | 32 |
| 82 | Live births from artificial insemination of microfluidic-sorted bovine spermatozoa characterized by trajectories correlated with fertility. 2018 , 115, E3087-E3096 | 41 |
| 81 | Spermicidal efficacy of VRP, a synthetic cationic antimicrobial peptide, inducing apoptosis and membrane disruption. 2018 , 233, 1041-1050 | 7 |
| 80 | Plasma membrane calcium ATPase 4 (PMCA4) co-ordinates calcium and nitric oxide signaling in regulating murine sperm functional activity. 2018 , 233, 11-22 | 13 |
| 79 | Soma-germ line interactions and a role for muscle in the regulation of sperm motility. 2018 , 145, | 8 |

| | | |
|----|---|-------|
| 78 | Physiological and Pathological Roles of Free Radicals in Male Reproduction. 2018, | 3 |
| 77 | Is male infertility associated with increased oxidative stress in seminal plasma? A-meta analysis. 2018, 9, 24494-24513 | 27 |
| 76 | Technique and Application of Sex-Sorted Sperm in Domestic Farm Animals. 2018, 65-106 | 2 |
| 75 | Determination of the activity and relative abundance of mRNA for antioxidant enzymes in stallion testicular and epididymal tissues: A comparison between two breeding seasons. 2018, 196, 230-238 | 1 |
| 74 | Regulation of boar sperm functionality by the nitric oxide synthase/nitric oxide system. 2019, 36, 1721-1736 | 10 |
| 73 | Technologies for Cryoprotectant-Free Vitrification of Human Spermatozoa: Asepticity as a Criterion for Effectiveness. 2019, 643-654 | |
| 72 | Ameliorative Effect of Ascorbic Acid and Glutathione in Combating the Cryoinjuries During Cryopreservation of Exotic Jack Semen. 2019, 81, 102796 | 3 |
| 71 | An update of the regulatory factors of sperm migration from the uterus into the oviduct by genetically manipulated mice. 2019, 86, 935-955 | 11 |
| 70 | Oxidation reduction potential: a new biomarker of male infertility. 2019, 61, 108-117 | 9 |
| 69 | "In vitro" capacitation and further progesterone-induced acrosome exocytosis are linked to specific changes in the expression and location of threonine phosphorylation of boar spermatozoa. 2019, 54, 1085-1094 | 2 |
| 68 | Gene Expression and Protein Synthesis in Mitochondria Enhance the Duration of High-Speed Linear Motility in Boar Sperm. 2019, 10, 252 | 26 |
| 67 | GSTO2 Isoforms Participate in the Oxidative Regulation of the Plasmalemma in Eutherian Spermatozoa during Capacitation. 2019, 8, | 2 |
| 66 | Diabetes and Sperm DNA Damage: Efficacy of Antioxidants. 2019, 1, 49-59 | 7 |
| 65 | Physiological Role of Reactive Oxygen Species in Male Reproduction. 2019, 65-78 | 1 |
| 64 | Melatonin reduces cAMP-stimulated capacitation of ram spermatozoa. 2019, 31, 420-431 | 18 |
| 63 | Human sperm capacitation is necessary for SNARE assembly in neurotoxin-resistant complexes. 2020, 8, 442-449 | 3 |
| 62 | Perioviductal fluid decreases sperm protein kinase A activity, tyrosine phosphorylation, and in vitro fertilization in pig. 2020, 8, 756-768 | 4 |
| 61 | FTIR Spectroscopy to Reveal Lipid and Protein Changes Induced on Sperm by Capacitation: Bases for an Improvement of Sample Selection in ART. <i>International Journal of Molecular Sciences</i> , 2020, 21, | 6.3 6 |

| | | | |
|----|---|-----|----|
| 60 | CatSper: The complex main gate of calcium entry in mammalian spermatozoa. 2020 , 518, 110951 | | 14 |
| 59 | Proper cytoskeleton β tubulin distribution is concomitant to tyrosine phosphorylation during in vitro capacitation and acrosomal reaction in human spermatozoa. 2020 , 77, 333-341 | | 0 |
| 58 | Endogenous and Exogenous Antioxidants As a Tool to Ameliorate Male Infertility Induced by Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2020 , | 8.4 | 9 |
| 57 | Effects of digoxin on full-type hyperactivation in bovine ejaculated spermatozoa with relatively lower survivability for incubation with stimulators of cAMP signaling cascades. 2020 , 154, 100-109 | | 2 |
| 56 | Caffeic acid improves microscopic sperm parameters and antioxidant status of buffalo (<i>Bubalus bubalis</i>) bull semen following freeze-thawing process. 2020 , 95, 29-35 | | 5 |
| 55 | The Ubiquitin-Proteasome System Does Not Regulate the Degradation of Porcine β Microseminoprotein during Sperm Capacitation. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 1 |
| 54 | The evolutionarily conserved piRNA-producing locus pi6 is required for male mouse fertility. 2020 , 52, 728-739 | | 37 |
| 53 | Are antioxidants a viable treatment option for male infertility?. 2021 , 53, e13644 | | 6 |
| 52 | Involvement of nitric oxide during in vitro oocyte maturation, sperm capacitation and in vitro fertilization in pig. 2021 , 134, 150-158 | | 0 |
| 51 | Male Infertility, Oxidative Stress and Antioxidants. | | 1 |
| 50 | F-Neuroprostanes: A Role in Sperm Capacitation. 2021 , 11, | | 2 |
| 49 | Bull Sperm Capacitation Is Accompanied by Redox Modifications of Proteins. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 1 |
| 48 | Membrane remodeling and matrix dispersal intermediates during mammalian acrosomal exocytosis. | | |
| 47 | Role of exogenous antioxidants on the performance and function of pig sperm after preservation in liquid and frozen states: A systematic review. 2021 , 173, 279-294 | | 1 |
| 46 | Liquid Storage of Ram Semen: Associated Damages and Improvement. 2021 , 11, 473-500 | | 2 |
| 45 | Sperm Processing for IVF. 2012 , 199-205 | | 1 |
| 44 | Physiological Role of Reactive Oxygen Species in Sperm Function: A Review. 2013 , 69-89 | | 6 |
| 43 | Active Oxygen in Spermatozoa During Epididymal Transit. 2002 , 435-447 | | 6 |

| | | |
|----|---|-------|
| 42 | Physiological Role of ROS in Sperm Function. 2020 , 337-345 | 8 |
| 41 | Mouse models as tools in fertility research and male-based contraceptive development. 2010 , 179-94 | 5 |
| 40 | Energetics of Fish Spermatozoa. 2020 , 69-116 | 1 |
| 39 | Development, Molecular Biology, and Physiology of the Prostate. 2012 , 2533-2569.e11 | 4 |
| 38 | Grape seed extract improved the fertility-enhancing effect of atorvastatin in high-fat diet-induced testicular injury in rats: involvement of antioxidant and anti-apoptotic effects. 2021 , 73, 366-376 | 1 |
| 37 | An Evolutionarily Conserved piRNA-producing Locus Required for Male Mouse Fertility. | 4 |
| 36 | Inhibiting sperm pyruvate dehydrogenase complex and its E3 subunit, dihydrolipoamide dehydrogenase affects fertilization in Syrian hamsters. 2014 , 9, e97916 | 3 |
| 35 | Clinical study on erectile dysfunction in diabetic and non-diabetic subjects and its management with <i>Ficus relegiosa</i> Linn. 2010 , 31, 272-9 | 4 |
| 34 | Redox regulation of mammalian sperm capacitation. 2015 , 17, 583-90 | 65 |
| 33 | Laboratory tests for oxidative stress. 2017 , 33, 199-206 | 29 |
| 32 | Role of Oxidative Stress in Male Infertility: An Updated Review. 2019 , 12, 4-18 | 133 |
| 31 | Human Fertilization. 2000 , 1-15 | |
| 30 | The Effect of Oxamate on Fertilization Capacity of Mouse Sperm in vitro. 2009 , 5, 178-180 | 2 |
| 29 | Sperm Processing for IVF. 2013 , 13-24 | |
| 28 | Antioxidant Therapy. 2018 , 479-493 | |
| 27 | Effect of 7-Dehydrocholesterol on Ram Semen Spermatological Parameters on Short Term Preservation. 1-1 | |
| 26 | Redox Regulation to Modulate Phosphorylation Events in Human Spermatozoa. <i>Antioxidants and Redox Signaling</i> , 2021 , | 8.4 2 |
| 25 | Sperm Physiology and Assessment of Spermatogenesis Kinetics In Vivo. 2020 , 347-360 | 0 |

| | | | |
|----|--|-----|---|
| 24 | Fuel/Energy Sources of Spermatozoa. 2020 , 323-335 | | 3 |
| 23 | The effects of Commiphora mukul extract on spermatogenesis and testosterone levels in male diabetic rats. <i>Clinical and Experimental Reproductive Medicine</i> , 2020 , 47, 34-41 | 2.2 | 2 |
| 22 | The effects of ex vivo cold-storage on cryopreservation of the goat (Caprus hircus) epididymal sperm. <i>Iranian Journal of Reproductive Medicine</i> , 2013 , 11, 747-52 | | 2 |
| 21 | Effect of caffeine on motility and vitality of sperm and in vitro fertilization of outbreed mouse in T6 and M16 media. <i>Iranian Journal of Reproductive Medicine</i> , 2013 , 11, 741-6 | | 7 |
| 20 | Bull Fertility and Its Relation with Density Gradient Selected Sperm. <i>International Journal of Fertility & Sterility</i> , 2017 , 11, 55-62 | 1.9 | 0 |
| 19 | Effect of Zinc on Spermatogenesis and Sperm Chromatin Condensation in Bleomycin, Etoposide, Cisplatin Treated Rats. <i>Cell Journal</i> , 2019 , 20, 521-526 | 2.4 | 3 |
| 18 | The Role of the Natural Antioxidant Mechanism in Sperm Cells. <i>Reproductive Sciences</i> , 2021 , 1 | 3 | 1 |
| 17 | Energy Metabolism and Hyperactivation of Spermatozoa from Three Mouse Species under Capacitating Conditions.. <i>Cells</i> , 2022 , 11, | 7.9 | 1 |
| 16 | A Review on Male Infertility - Environmental Factors, Pathophysiological and Oxidative Stress. <i>Journal of Evolution of Medical and Dental Sciences</i> , 2021 , 10, 3798-3804 | 0.1 | |
| 15 | Perfluorooctane sulfonate and perfluorooctanoic acid induce plasma membrane dysfunction in boar spermatozoa during in vitro capacitation.. <i>Reproductive Toxicology</i> , 2022 , | 3.4 | 2 |
| 14 | Membrane Remodeling and Matrix Dispersal Intermediates During Mammalian Acrosomal Exocytosis.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 765673 | 5.7 | 0 |
| 13 | Table_1.DOCX. 2019 , | | |
| 12 | Potential Use of Tannin Extracts as Additives in Semen Destined for Cryopreservation: A Review.. <i>Animals</i> , 2022 , 12, | 3.1 | 0 |
| 11 | Cyclic adenosine monophosphate (cAMP) analog and phosphodiesterase inhibitor (IBMX) ameliorate human sperm capacitation and motility. <i>Revista Internacional De Andrología</i> , 2022 , | 0.6 | |
| 10 | Hydrolase D16B Truncation Results in Premature Sperm Capacitation in Cattle. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 7777 | 6.3 | 0 |
| 9 | Cryopreservation did not affect sperm DNA methylation levels of genes related to fertilization and embryonic development of cynomolgus macaque (Macaca fascicularis). 2022 , | | |
| 8 | Carboxypeptidase E protein regulates porcine sperm Ca ²⁺ influx to affect capacitation and fertilization. 2022 , | | |
| 7 | 3D+t feature-based descriptor for unsupervised flagellar human sperm beat classification. 2022 , | | 0 |

- 6 Predicting fertility from sperm motility landscapes. **2022**, 5, ○
- 5 Novel Spirooxindole Derivatives as Potential Non-Detergent Type Spermicides. **2022**, 7, ○
- 4 An assessment tool for computer-assisted semen analysis (CASA) algorithms. **2022**, 12, ○
- 3 Altered sperm fate in the reproductive tract milieu due to oxidative stress leads to sub-fertility in type 1 diabetes females: A Drosophila-based study. **2023**, 313, 121306 ○
- 2 In Vitro versus Cryo-Induced Capacitation of Bovine Spermatozoa, Part 2: Changes in the Expression Patterns of Selected Transmembrane Channels and Protein Kinase A. **2022**, 23, 14646 2
- 1 Development of an optimal protocol to induce capacitation of boar spermatozoa in vitro. **2022**, 37, 285-291 ○