# CITATION REPORT List of articles citing



DOI: 10.1093/molehr/gap059 Molecular Human Reproduction, 2010, 16, 3-13.

Source: https://exaly.com/paper-pdf/49686149/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
443	Stimulation of mitochondrial reactive oxygen species production by unesterified, unsaturated fatty acids in defective human spermatozoa. <b>2010</b> , 48, 112-9		141
442	Prolactin exerts a prosurvival effect on human spermatozoa via mechanisms that involve the stimulation of Akt phosphorylation and suppression of caspase activation and capacitation. <b>2010</b> , 151, 1269-79		77
441	Fall in implantation rates following ICSI with sperm with high DNA fragmentation. <b>2010</b> , 25, 1609-18		97
440	Sperm DNA fragmentation induced by DNAse I and hydrogen peroxide: an in vitro comparative study among different mammalian species. <b>2010</b> , 140, 445-52		41
439	Environmental and lifestyle factors associated with sperm DNA damage. <b>2010</b> , 13, 189-93		46
438	Epidemiology and trends in male subfertility. <b>2010</b> , 13, 182-8		27
437	Oviductal secretions: will they be key factors for the future ARTs?. <i>Molecular Human Reproduction</i> , <b>2010</b> , 16, 896-906	4.4	170
436	Protamine contents and P1/P2 ratio in human spermatozoa from smokers and non-smokers. <b>2010</b> , 25, 2708-20		76
435	Evaluation of male germ cell toxicity in rats: correlation between sperm head morphology and sperm comet assay. <b>2010</b> , 703, 115-21		40
434	Redox status of equine seminal plasma reflects the pattern and magnitude of DNA damage in sperm cells. <i>Theriogenology</i> , <b>2010</b> , 74, 1677-84	2.8	18
433	Deficiency in mouse Y chromosome long arm gene complement is associated with sperm DNA damage. <b>2010</b> , 11, R66		24
432	Sperm DNA: organization, protection and vulnerability: from basic science to clinical applicationsa position report. <b>2010</b> , 25, 824-38		233
431	Short-term storage of human spermatozoa in electrolyte-free medium without freezing maintains sperm chromatin integrity better than cryopreservation. <b>2011</b> , 85, 536-47		22
430	Phosphoinositide 3-kinase signalling pathway involvement in a truncated apoptotic cascade associated with motility loss and oxidative DNA damage in human spermatozoa. <b>2011</b> , 436, 687-98		146
429	Male fertility, chromosome abnormalities, and nuclear organization. <b>2011</b> , 133, 269-79		23
428	Male diabetes mellitus and assisted reproduction treatment outcome. <b>2011</b> , 22, 215-9		44
427	The Relationship Between Chromatin Structure and DNA Damage in Mammalian Spermatozoa. <b>2011</b> , 61-68		4

## (2011-2011)

426	Sperm Chromatin Dispersion Test: Technical Aspects and Clinical Applications. <b>2011</b> , 151-170	10
425	Apoptosis in the germ line. <b>2011</b> , 141, 139-50	123
424	SIRT6 in mouse spermatogenesis is modulated by diet-induced obesity. <b>2011</b> , 23, 929-39	76
423	Protamine/DNA ratios and DNA damage in native and density gradient centrifuged sperm from infertile patients. <b>2011</b> , 32, 324-32	57
422	DNA fragmentation in morphologically normal spermatozoa: how much should we be concerned in the ICSI era?. <b>2011</b> , 32, 356-63	76
421	The epididymal transcriptome and proteome provide some insights into new epididymal regulations. <b>2011</b> , 32, 651-64	62
420	Biennial Review of Infertility. <b>2011</b> ,	
419	Male Subfertility and Sperm Chromatin Damage. <b>2011</b> , 321-335	
418	Laboratory Evaluation of Sperm Chromatin: TUNEL Assay. <b>2011</b> , 201-215	8
417	The role of sperm oxidative stress in male infertility and the significance of oral antioxidant therapy. <b>2011</b> , 26, 1628-40	324
416	Basic and Clinical Aspects of Sperm Chromomycin A3 Assay. <b>2011</b> , 171-179	3
415	Flow cytometry for the assessment of animal sperm integrity and functionality: state of the art. <b>2011</b> , 13, 406-19	96
414	Urinary phthalate metabolites in relation to biomarkers of inflammation and oxidative stress: NHANES 1999-2006. <b>2011</b> , 111, 718-26	138
413	Supplementation of cryomedium with ascorbic acid-2-glucoside (AA2G) improves human sperm post-thaw motility. <b>2011</b> , 95, 2001-4	19
412	Physical exercise at high altitude is associated with a testicular dysfunction leading to reduced sperm concentration but healthy sperm quality. <b>2011</b> , 96, 28-33	27
411	Seminal leukocytes are Good Samaritans for spermatozoa. <b>2011</b> , 96, 1315-9	37
410	Spermatogenesis: An Overview. <b>2011</b> , 19-44	15
409	Sperm Nucleoproteins. <b>2011</b> , 45-60	9

408	Cytogenetic and molecular aspects of absolute teratozoospermia: comparison between polymorphic and monomorphic forms. <b>2011</b> , 78, 1313-9	21
407	Redox regulation of human sperm function: from the physiological control of sperm capacitation to the etiology of infertility and DNA damage in the germ line. <b>2011</b> , 14, 367-81	245
406	Sperm chromatin dispersion test in the assessment of DNA fragmentation and aneuploidy in human spermatozoa. <b>2011</b> , 22, 428-36	28
405	Relationship between DNA damage and sperm head birefringence. <b>2011</b> , 22, 583-9	29
404	Mammalian Spermatogenesis, DNA Repair, Poly(ADP-ribose) Turnover: the State of the Art. 2011,	4
403	Life and death in the germ line. 101-113	
402	Ejaculate fractions of asthenozoospermic and teratozoospermic patients have differences in the sperm DNA integrity. <b>2011</b> , 43, 416-21	11
401	Improvement in chromatin maturity of human spermatozoa selected through density gradient centrifugation. <b>2011</b> , 34, 256-67	25
400	Dynamics of sperm DNA fragmentation in patients carrying structurally rearranged chromosomes. <b>2011</b> , 34, e546-53	29
399	Sperm cell biology: current perspectives and future prospects. <b>2011</b> , 13, 3-5	10
399 398	Sperm cell biology: current perspectives and future prospects. <b>2011</b> , 13, 3-5  Apoptosis and DNA damage in human spermatozoa. <b>2011</b> , 13, 36-42	10 233
398	Apoptosis and DNA damage in human spermatozoa. <b>2011</b> , 13, 36-42	233
398 397	Apoptosis and DNA damage in human spermatozoa. <b>2011</b> , 13, 36-42  Clinical management of male infertility in assisted reproduction: ICSI and beyond. <b>2011</b> , 34, e319-29  Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm	233
398 397 396	Apoptosis and DNA damage in human spermatozoa. 2011, 13, 36-42  Clinical management of male infertility in assisted reproduction: ICSI and beyond. 2011, 34, e319-29  Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm DNA integrity in Chinese men. 2011, 31, 171-6  Incomplete protection of genetic integrity of mature spermatozoa against oxidative stress. 2011,	233 19 63
398 397 396 395	Apoptosis and DNA damage in human spermatozoa. 2011, 13, 36-42  Clinical management of male infertility in assisted reproduction: ICSI and beyond. 2011, 34, e319-29  Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm DNA integrity in Chinese men. 2011, 31, 171-6  Incomplete protection of genetic integrity of mature spermatozoa against oxidative stress. 2011, 32, 106-11  Investigation on sodium valproate induced germ cell damage, oxidative stress and genotoxicity in	<ul><li>233</li><li>19</li><li>63</li><li>35</li></ul>
<ul><li>398</li><li>397</li><li>396</li><li>395</li><li>394</li></ul>	Apoptosis and DNA damage in human spermatozoa. 2011, 13, 36-42  Clinical management of male infertility in assisted reproduction: ICSI and beyond. 2011, 34, e319-29  Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm DNA integrity in Chinese men. 2011, 31, 171-6  Incomplete protection of genetic integrity of mature spermatozoa against oxidative stress. 2011, 32, 106-11  Investigation on sodium valproate induced germ cell damage, oxidative stress and genotoxicity in male Swiss mice. 2011, 32, 385-94	<ul> <li>233</li> <li>19</li> <li>63</li> <li>35</li> <li>59</li> </ul>

### (2012-2011)

390	Nuclear organisation of sperm remains remarkably unaffected in the presence of defective spermatogenesis. <b>2011</b> , 19, 741-53	20
389	Breakage-fusion-bridge cycles leading to inv dup del occur in human cleavage stage embryos. <b>2011</b> , 32, 783-93	49
388	Role of oxidative stress and antioxidant supplementation in pregnancy disorders. <b>2011</b> , 94, 1980S-1985S	133
387	Poly(ADP-ribose) polymerases PARP1 and PARP2 modulate topoisomerase II beta (TOP2B) function during chromatin condensation in mouse spermiogenesis. <b>2011</b> , 84, 900-9	54
386	Electrophoretic sperm isolation: optimization of electrophoresis conditions and impact on oxidative stress. <b>2011</b> , 26, 1955-64	34
385	Spermiation: The process of sperm release. <b>2011</b> , 1, 14-35	243
384	Urinary concentrations of parabens and serum hormone levels, semen quality parameters, and sperm DNA damage. <b>2011</b> , 119, 252-7	233
383	Sperm DNA damage: how relevant is it clinically?. <b>2012</b> , 24, 172-9	16
382	Semen analysis and sperm function testing. <b>2012</b> , 14, 6-13	55
381	Recreational Drugs and ROS Production in Mammalian Spermatozoa. <b>2012</b> , 417-431	
380	Oxidative DNA damage in human sperm can be detected by Raman microspectroscopy. <b>2012</b> , 98, 1124-9.e1-3	72
380 379	Oxidative DNA damage in human sperm can be detected by Raman microspectroscopy. <b>2012</b> , 98, 1124-9.e1-3  Differences in blood and semen oxidative status in fertile and infertile men, and their relationship with sperm quality. <b>2012</b> , 25, 300-6	7 <sup>2</sup>
	Differences in blood and semen oxidative status in fertile and infertile men, and their relationship	,
379	Differences in blood and semen oxidative status in fertile and infertile men, and their relationship with sperm quality. <b>2012</b> , 25, 300-6  Effect of Spermatozoa Apoptosis on the Clinical Outcomes with Human in vitro Fertilization. <b>2012</b> ,	,
379 378	Differences in blood and semen oxidative status in fertile and infertile men, and their relationship with sperm quality. 2012, 25, 300-6  Effect of Spermatozoa Apoptosis on the Clinical Outcomes with Human in vitro Fertilization. 2012, 23, 41-50	128
379 378 377	Differences in blood and semen oxidative status in fertile and infertile men, and their relationship with sperm quality. 2012, 25, 300-6  Effect of Spermatozoa Apoptosis on the Clinical Outcomes with Human in vitro Fertilization. 2012, 23, 41-50  Impact of microwave at X-band in the aetiology of male infertility. 2012, 31, 223-32  Immunolocalisation of 11EHSD-1 and -2, glucocorticoid receptor, mineralocorticoid receptor and	128
379 378 377 376	Differences in blood and semen oxidative status in fertile and infertile men, and their relationship with sperm quality. 2012, 25, 300-6  Effect of Spermatozoa Apoptosis on the Clinical Outcomes with Human in vitro Fertilization. 2012, 23, 41-50  Impact of microwave at X-band in the aetiology of male infertility. 2012, 31, 223-32  Immunolocalisation of 11EHSD-1 and -2, glucocorticoid receptor, mineralocorticoid receptor and Na+ K+-ATPase during the postnatal development of the rat epididymis. 2012, 220, 350-62  Electrophilic aldehydes generated by sperm metabolism activate mitochondrial reactive oxygen	128 14 5

372 Supraphysiological Free Radical Levels and their Pathogenesis in Male Infertility. **2012**, 01,

371	Protective effect of gangliosides on DNA in human spermatozoa exposed to cryopreservation. <b>2012</b> , 33, 1016-24	11
370	Reactive oxygen species and sperm functionin sickness and in health. <b>2012</b> , 33, 1096-106	237
369	Assessment of male factor. <b>2012</b> , 26, 739-46	9
368	Sperm Processing and Selection. <b>2012</b> , 423-430	4
367	Relationship between apoptotic markers in semen from fertile men and demographic, hormonal and seminal characteristics. <b>2012</b> , 14, 890-6	
366	Direct Methods for the Detection of Reactive Oxygen Species in Human Semen Samples. <b>2012</b> , 275-299	5
365	Sperm DNA Damage and Antioxidant Use: Roles in Male Fertility. <b>2012</b> , 307-315	
364	The Role of Chlamydia trachomatis in Male Infertility. 2012,	
363	Electromagnetic Radiation and Oxidative Stress in the Male Germ Line. <b>2012</b> , 3-20	1
362	Direct and delayed X-ray-induced DNA damage in male mouse germ cells. <b>2012</b> , 53, 429-39	23
361	Exposures that may affect sperm DNA integrity: two decades of follow-up in a pregnancy cohort. <b>2012</b> , 33, 316-21	15
360	Membrane stability and mitochondrial activity of human-ejaculated spermatozoa during in vitro experimental infection with Escherichia coli, Staphylococcus haemolyticus and Bacteroides ureolyticus. <b>2012</b> , 44, 315-29	49
359	The oviduct: functional genomic and proteomic approach. <b>2012</b> , 47 Suppl 3, 22-9	35
358	Developmental exposure to decabrominated diphenyl ether (BDE-209): effects on sperm oxidative stress and chromatin DNA damage in mouse offspring. <b>2013</b> , 28, 380-9	35
357	Comprehensive analysis of sperm DNA fragmentation by five different assays: TUNEL assay, SCSA, SCD test and alkaline and neutral Comet assay. <b>2013</b> , 1, 715-22	144
356	Lower sperm DNA fragmentation after r-FSH administration in functional hypogonadotropic hypogonadism. <b>2013</b> , 30, 497-503	25
355	Evaluation of sperm head shape at high magnification revealed correlation of sperm DNA fragmentation with aberrant head ellipticity and angularity. <b>2013</b> , 99, 1573-80	31

### (2013-2013)

354	Expression of PARP1 in primary infertility patients and correlation with DNA fragmentation index a pilot study. <b>2013</b> , 62, 98-104		5
353	Male age negatively influences clinical pregnancy rate in women younger than 40 years undergoing donor insemination cycles. <b>2013</b> , 27, 125-30		6
352	[Diagnosis of male infertility: a need of functional and chromatin evaluation]. 2013, 37, 100-5		1
351	Basic diagnostics in andrology. <b>2013</b> , 11, 799-814; quiz 815		6
350	Density gradient separation of sperm for artificial insemination. <b>2013</b> , 927, 217-26		9
349	The use of complimentary assays to evaluate the enrichment of human sperm quality in asthenoteratozoospermic and teratozoospermic samples processed with Annexin-V magnetic activated cell sorting. <b>2013</b> , 1, 698-706		25
348	Picomolar gradients of progesterone select functional human sperm even in subfertile samples. <i>Molecular Human Reproduction</i> , <b>2013</b> , 19, 559-69	4.4	36
347	Chromatin structure analysis of spermatozoa from reciprocal chromosome translocation (RCT) carriers with known meiotic segregation patterns. <b>2013</b> , 13, 209-20		11
346	Protective effects of in vitro treatment with zinc, d-aspartate and coenzyme q10 on human sperm motility, lipid peroxidation and DNA fragmentation. <b>2013</b> , 11, 81		83
345	Nuclear DNA fragmentation negatively affects zona binding competence of Y bearing mouse spermatozoa. <b>2013</b> , 30, 1611-5		11
344	DNA oxidative damage in mammalian spermatozoa: where and why is the male nucleus affected?. <b>2013</b> , 65, 719-723		60
343	Mesenchymal stem cell derived microvesicles: trophic shuttles for enhancement of sperm quality parameters. <b>2013</b> , 42, 78-84		24
342	Analysis of DNA damage after human sperm cryopreservation in genes crucial for fertilization and early embryo development. <b>2013</b> , 1, 723-30		50
341	What should it take to describe a substance or product as @perm-safeO2013, 19 Suppl 1, i1-45		44
340	Chromatin integrity of ram spermatozoa. Relationships to annual fluctuations of scrotal surface temperature and temperature-humidity index. <i>Theriogenology</i> , <b>2013</b> , 80, 533-41	2.8	12
339	Dead spermatozoa in raw semen samples impair in vitro fertilization outcomes of frozen-thawed spermatozoa. <b>2013</b> , 100, 875-81		29
338	Diagnosis of male infertility: A need of functional and chromatin evaluation. 2013, 37, 100-105		1
337	Vitrificacili de espermatozoides: una alternativa a la inyeccili intracitoplasmilica de espermatozoides en paciente con oligoastenozoospermia severa. <b>2013</b> , 11, 36-39		1

336	Sperm cephalic vacuoles: new arguments for their non acrosomal origin in two cases of total globozoospermia. <b>2013</b> , 1, 52-6	17
335	A comparison of DNA compaction by arginine and lysine peptides: a physical basis for arginine rich protamines. <b>2013</b> , 52, 3000-9	67
334	Protective effects of exogenous gangliosides on ROS-induced changes in human spermatozoa. <b>2013</b> , 15, 375-81	14
333	The presence of a truncated base excision repair pathway in human spermatozoa that is mediated by OGG1. <b>2013</b> , 126, 1488-97	107
332	Effects of cryostorage on human sperm chromatin integrity. <b>2013</b> , 21, 330-6	8
331	"Breaking news" from spermatids. <b>2013</b> , 23, 11	9
330	Mitochondria functionality and sperm quality. <b>2013</b> , 146, R163-74	277
329	Epididymal specific, selenium-independent GPX5 protects cells from oxidative stress-induced lipid peroxidation and DNA mutation. <b>2013</b> , 28, 2332-42	36
328	Cytotoxic effects of benzene metabolites on human sperm function: an in vitro study. <b>2013</b> , 2013, 397524	13
327	Assessment of chromatin maturity in human spermatozoa: useful aniline blue assay for routine diagnosis of male infertility. <b>2013</b> , 2013, 578631	35
326	The source and significance of DNA damage in human spermatozoa; a commentary on diagnostic strategies and straw man fallacies. <i>Molecular Human Reproduction</i> , <b>2013</b> , 19, 475-85	112
325	Andrologische Basisdiagnostik. <b>2013</b> , 11, 799-816	2
324	Intracytoplasmic sperm injection: does the sperm matter?. 149-164	
323	Overview. 1-3	
322	Multiple determinations of sperm DNA fragmentation show that varicocelectomy is not indicated for infertile patients with subclinical varicocele. <b>2014</b> , 2014, 181396	19
321	Exposure to endocrine disrupting chemicals and male reproductive health. <b>2014</b> , 2, 55	89
320	Essential features in media development for spermatozoa, oocytes, and embryos. 47-67	
319	The Enzymatic Antioxidant System of Human Spermatozoa. <b>2014</b> , 2014, 1-15	34

318	Melatonin: shedding light on infertility?A review of the recent literature. <b>2014</b> , 7, 98		39
317	The aryl hydrocarbon receptor is important for proper seminiferous tubule architecture and sperm development in mice. <b>2014</b> , 90, 8		38
316	Estimation of blood free radical levels in healthy population pre and post yoga. <b>2014</b> , 63, S13-S18		5
315	Processes involved in assisted reproduction technologies significantly increase sperm DNA fragmentation and phosphatidylserine translocation. <b>2014</b> , 46, 86-97		8
314	Human semen cryopreservation: a sperm DNA fragmentation study with alkaline and neutral Comet assay. <b>2014</b> , 2, 83-7		33
313	Human sperm sex chromosome disomy and sperm DNA damage assessed by the neutral comet assay. <b>2014</b> , 29, 2148-55		6
312	Recent knowledge concerning mammalian sperm chromatin organization and its potential weaknesses when facing oxidative challenge. <b>2014</b> , 24, 6		10
311	Sperm DNA damage caused by oxidative stress: modifiable clinical, lifestyle and nutritional factors in male infertility. <b>2014</b> , 28, 684-703		225
310	Sperm maturation in dogs: sperm profile and enzymatic antioxidant status in ejaculated and epididymal spermatozoa. <b>2014</b> , 46, 814-9		20
309	High level of intracellular sperm oxidative stress negatively influences embryo pronuclear formation after intracytoplasmic sperm injection treatment. <b>2014</b> , 46, 1118-27		19
308	Double-stranded DNA breaks hidden in the neutral Comet assay suggest a role of the sperm nuclear matrix in DNA integrity maintenance. <i>Molecular Human Reproduction</i> , <b>2014</b> , 20, 330-40	4.4	34
307	Morphological alterations in protamine-deficient spermatozoa. <b>2014</b> , 29, 2374-81		27
306	Sperm DNA integrity testing: big halo is a good predictor of embryo quality and pregnancy after conventional IVF. <b>2014</b> , 2, 678-86		45
305	Male Infertility. <b>2014</b> ,		8
304	Urinary metabolites of di(2-ethylhexyl) phthalate relation to sperm motility, reactive oxygen species generation, and apoptosis in polyvinyl chloride workers. <b>2014</b> , 87, 635-46		36
303	Evaluation of genotoxicity testing of FDA approved large molecule therapeutics. <b>2014</b> , 70, 87-97		11
302	Oxidative stress and redox regulation of gametogenesis, fertilization, and embryonic development. <b>2014</b> , 13, 71-79		15
301	The combined human sperm proteome: cellular pathways and implications for basic and clinical science. <b>2014</b> , 20, 40-62		173

300	The Impact of Cell Phone, Laptop Computer, and Microwave Oven Usage on Male Fertility. <b>2014</b> , 161-177	9
299	Fenitrothion Alters Sperm Characteristics in Rats: Ameliorating Effects of Palm Oil Tocotrienol-Rich Fraction. <b>2014</b> , 63, 383-393	7
298	Sperm DNA fragmentation abnormalities in men from couples with a history of recurrent miscarriage. <b>2015</b> , 55, 379-83	38
297	The oviduct: A key organ for the success of early reproductive events. <b>2015</b> , 5, 25-31	51
296	The Role of Autophagy and Apoptosis During Embryo Development. 2015,	6
295	Relationship between phospholipase C zeta immunoreactivity and DNA fragmentation and oxidation in human sperm. <b>2015</b> , 58, 232-8	19
294	Ejaculate oxidative stress is related with sperm DNA fragmentation and round cells. 2015, 2015, 321901	42
293	Effect of bajijiasu isolated from Morinda officinalis F. C. how on sexual function in male mice and its antioxidant protection of human sperm. <b>2015</b> , 164, 283-92	31
292	Human sperm chromatin epigenetic potential: genomics, proteomics, and male infertility. 2015, 17, 601-9	46
291	Cerium dioxide nanoparticles affect in vitro fertilization in mice. <b>2016</b> , 10, 111-7	37
<b>2</b> 90	Effects of indium chloride exposure on sperm morphology and DNA integrity in rats. 2015, 23, 152-160	5
289	Free-radical production after post-thaw incubation of ram spermatozoa is related to decreased in vivo fertility. <b>2015</b> , 27, 1187-96	8
288	Radiation induced oxidative stress and its toxicity in testes of mice and their prevention by Tinospora cordifolia extract. <b>2015</b> , 1, 64-75	1
287	Peri-conception parental obesity, reproductive health, and transgenerational impacts. <b>2015</b> , 26, 84-90	71
286	Decrease in fertilization and cleavage rates, but not in clinical outcomes for infertile men with AZF microdeletion of the Y chromosome. <b>2015</b> , 23, 771-7	9
285	Damage to Sperm DNA Mediated by Reactive Oxygen Species: Its Impact on Human Reproduction and the Health Trajectory of Offspring. <b>2015</b> , 868, 23-47	42
284	The Male Role in Pregnancy Loss and Embryo Implantation Failure. 2015,	3
283	Oral antioxidant treatment partly improves integrity of human sperm DNA in infertile grade I varicocele patients. <b>2015</b> , 18, 225-9	66

282	Bisphenol-A affects male fertility via fertility-related proteins in spermatozoa. <b>2015</b> , 5, 9169	108
281	Obesity and Reproductive Dysfunction in Men and Women. <b>2015</b> , 119-132	O
280	Antioxidant Treatment and Prevention of Human Sperm DNA Fragmentation: Role in Health and Fertility. <b>2015</b> , 397-410	2
279	Supplemental dietary phytosterin protects against 4-nitrophenol-induced oxidative stress and apoptosis in rat testes. <b>2015</b> , 2, 664-676	27
278	Nuclear degraded sperm subpopulation is affected by poor chromatin compaction and nuclease activity. <b>2015</b> , 47, 286-94	8
277	Toxicity of 8-Hydroxyquinoline in Cryprinus carpio Using the Acute Toxicity Test, Hepatase Activity Analysis and the Comet Assay. <b>2015</b> , 95, 171-6	6
276	Luminal fluid of epididymis and vas deferens contributes to sperm chromatin fragmentation. <b>2015</b> , 30, 2725-36	18
275	Fertilization stimulates 8-hydroxy-2@deoxyguanosine repair and antioxidant activity to prevent mutagenesis in the embryo. <b>2015</b> , 406, 1-13	47
274	Resveratrol offers protection to oxidative stress induced by ferrous ascorbate in bovine spermatozoa. <b>2015</b> , 50, 1440-51	19
273	Consistent age-dependent declines in human semen quality: a systematic review and meta-analysis. <b>2015</b> , 19, 22-33	176
272	The effect of environmental exposure to pyrethroids and DNA damage in human sperm. 2015, 61, 37-43	54
271	Non-Invasive Sperm Selection for In Vitro Fertilization. <b>2015</b> ,	3
270	MSOME and Sperm DNA Integrity: Biological and Clinical Considerations. 2015, 137-147	2
269	Dose-dependent short-term study of di-n-butyl phthalate on the testicular antioxidant system of Wistar rats. <b>2015</b> , 22, 2196-204	18
268	Novel insights into the pathophysiology of varicocele and its association with reactive oxygen species and sperm DNA fragmentation. <b>2016</b> , 18, 186-93	149
267	Sperm Oxidative Stress Is Detrimental to Embryo Development: A Dose-Dependent Study Model and a New and More Sensitive Oxidative Status Evaluation. <b>2016</b> , 2016, 8213071	47
266	Consecuencias del estrE calEico sobre la reproducciE del ganado vacuno. <b>2016</b> , 10,	
265	Potential toxicity of engineered nanoparticles in mammalian germ cells and developing embryos: treatment strategies and anticipated applications of nanoparticles in gene delivery. <b>2016</b> , 22, 588-619	28

264	Oxidation-reduction potential of semen: what is its role in the treatment of male infertility?. <b>2016</b> , 8, 302-318		84
263	Potential protective effect of arginine against 4-nitrophenol-induced ovarian damage in rats. <b>2016</b> , 41, 371-81		2
262	Sperm DNA damage and its role in IVF and ICSI. <b>2016</b> , 26, 15		37
261	Effect of male age on oxidative stress markers in human semen. <b>2016</b> , 5, 205891581667324		9
260	Effects of environmental radiation on testes and spermatogenesis in wild large Japanese field mice (Apodemus speciosus) from Fukushima. <b>2016</b> , 6, 23601		35
259	Mammalian sperm nuclear organization: resiliencies and vulnerabilities. <b>2016</b> , 26, 17		38
258	New flow cytometry approaches in equine andrology. <i>Theriogenology</i> , <b>2016</b> , 86, 366-72	2.8	18
257	Non-viable sperm in the ejaculate: Lethal escorts for contemporary viable sperm. <b>2016</b> , 169, 24-31		20
256	Oxidative stress level in fresh ejaculate is not related to semen parameters or to pregnancy rates in cycles with donor oocytes. <b>2016</b> , 33, 529-34		7
255	Sperm DNA damage-the effect of stress and everyday life factors. <b>2016</b> , 28, 148-54		31
254	Sperm of patients with severe asthenozoospermia show biochemical, molecular and genomic alterations. <b>2016</b> , 152, 695-704		36
253	Genetics of Male Infertility. <b>2016</b> , 17, 70		55
252	Indium acetate toxicity in male reproductive system in rats. 2016, 31, 68-76		7
251	Topology of chromosome centromeres in human sperm nuclei with high levels of DNA damage. <b>2016</b> , 6, 31614		9
250	Comparison of the effect of a combination of eight micronutrients versus a standard mono preparation on sperm parameters. <b>2016</b> , 14, 84		16
249	Flow Cytometry Probes to Evaluate Stallion Spermatozoa. <b>2016</b> , 43, S23-S28		3
248	Evaluation of enzymatic and non-enzymatic antioxidants in seminal plasma of men with genitourinary infections, varicocele and idiopathic infertility. <b>2016</b> , 4, 456-64		29
247	Mitochondrial outer membrane permeabilization increases reactive oxygen species production and decreases mean sperm velocity but is not associated with DNA fragmentation in human sperm.  Molecular Human Reproduction, 2016, 22, 83-92	4.4	7

246	A cost for high levels of sperm competition in rodents: increased sperm DNA fragmentation. <b>2016</b> , 283, 20152708	11
245	Impact of sperm DNA chromatin in the clinic. <b>2016</b> , 33, 157-66	36
244	miR-424/322 is downregulated in the semen of patients with severe DNA damage and may regulate sperm DNA damage. <b>2015</b> ,	17
243	Characterization of Nuclease Activity in Human Seminal Plasma and its Relationship to Semen Parameters, Sperm DNA Fragmentation and Male Infertility. <b>2016</b> , 195, 213-9	14
242	Age-related alterations in the genetics and genomics of the male germ line. 2017, 107, 319-323	22
241	Effectiveness of a walnut-enriched diet on murine sperm: involvement of reduced peroxidative damage. <b>2017</b> , 3, e00250	4
240	REAC technology as optimizer of stallion spermatozoa liquid storage. <b>2017</b> , 15, 11	7
239	Genetics and epigenetics of varicocele pathophysiology: an overview. <b>2017</b> , 34, 839-847	23
238	Non-surgical sterilisation methods may offer a sustainable solution to feral horse (Equus caballus) overpopulation. <b>2017</b> , 29, 1655-1666	6
237	Urinary Polycyclic Aromatic Hydrocarbon Metabolites and Human Semen Quality in China. <b>2017</b> , 51, 958-967	21
236	Electrophilic aldehyde products of lipid peroxidation selectively adduct to heat shock protein 90 and arylsulfatase A in stallion spermatozoa. <b>2017</b> , 96, 107-121	16
235	Nitric oxide, malondialdheyde and non-enzymatic antioxidants assessed in viable spermatozoa from selected infertile men. <b>2017</b> , 17, 370-375	12
234	Reactive oxygen species as mediators of sperm capacitation and pathological damage. <b>2017</b> , 84, 1039-1052	222
233	Taurine does not improve the quality of short-term stored rabbit spermatozoa in vitro. <b>2017</b> , 52, 1046-1051	3
232	Does sperm quality and DNA integrity differ in cryopreserved semen samples from young, adult, and aged Nellore bulls?. <b>2017</b> , 27, 12	12
231	Effect of modifiable lifestyle factors and antioxidant treatment on semen parameters of men with severe oligoasthenoteratozoospermia. <b>2017</b> , 49, e12694	12
230	Oxidative Stress in Nonalcoholic Steatohepatitis. <b>2017</b> , 373-386	
229	Effect of semen preparation technique and its incubation on sperm quality in the Moroccan population. <b>2017</b> , 49, e12688	6

228	The Relevance of Mammalian Peroxiredoxins to the Gametogenesis, Embryogenesis, and Pregnancy Outcomes. <b>2017</b> , 24, 812-817	4
227	Effect of Sperm Molecular Factors, Oxidative Damage and Transcripts in Childhood Disorders. <b>2017</b> , 03,	7
226	Chemosensory and hyperoxia circuits in C. elegans males influence sperm navigational capacity. <b>2017</b> , 15, e2002047	3
225	Effect of superoxide dismutase supplementation on sperm DNA fragmentation. <b>2017</b> , 89, 212-218	14
224	The Society for Translational Medicine: clinical practice guidelines for sperm DNA fragmentation testing in male infertility. <b>2017</b> , 6, S720-S733	7º
223	Commentary on sperm DNA fragmentation testing clinical guideline. <b>2017</b> , 6, S522-S524	2
222	Testing of sperm DNA damage and clinical recommendations. <b>2017</b> , 6, S607-S609	3
221	Development of targeted therapeutic strategies and refinement of sperm DNA fragmentation testing. <b>2017</b> , 6, S610-S612	2
220	Sperm DNA fragmentation testing: ready for prime time?. <b>2017</b> , 6, S385-S388	2
219	Clinical usefulness of sperm DNA fragmentation testing. <b>2017</b> , 6, S484-S487	2
218	Implication of sperm processing during assisted reproduction on sperm DNA integrity. 2017, 6, S583-S585	6
217	Assessment of male factor involved in recurrent pregnancy loss: A preliminary study. <b>2018</b> , 23, 238-240	O
216	Very low concentration of cerium dioxide nanoparticles induce DNA damage, but no loss of vitality, in human spermatozoa. <b>2018</b> , 50, 236-241	21
215	Reactive oxygen species impact on sperm DNA and its role in male infertility. <b>2018</b> , 50, e13012	106
214	IUI: review and systematic assessment of the evidence that supports global recommendations. <b>2018</b> , 24, 300-319	38
213	Evidence that fertility trades off with early offspring fitness as males age. 2018, 285,	24
212	Update on the proteomics of male infertility: A systematic review. <b>2018</b> , 16, 103-112	27
211	The oviduct: from sperm selection to the epigenetic landscape of the embryo. <b>2018</b> , 98, 262-276	34

210	Sperm DNA fragmentation as a result of ultra-endurance exercise training in male athletes. <b>2018</b> , 50, e12793	16
209	Effect of Vitamin E and Polyunsaturated Fatty Acids on Cryopreserved Sperm Quality in Bos taurus Bulls Under Testicular Heat Stress. <b>2018</b> , 29, 100-109	10
208	The genotoxic effect of oxcarbazepine on mice blood lymphocytes. <b>2018</b> , 41, 135-140	4
207	Cryoprotective effect of resveratrol on DNA damage and crucial human sperm messenger RNAs, possibly through 5CAMP-activated protein kinase activation. <b>2018</b> , 19, 87-95	16
206	Sperm telomere length in motile sperm selection techniques: A qFISH approach. <b>2018</b> , 50, e12840	16
205	Role of sperm DNA fragmentation in male factor infertility: A systematic review. <b>2018</b> , 16, 21-34	61
204	Spermatic and oxidative profile of domestic cat (Felis catus) epididymal sperm subjected to different cooling times (24, 48 and 72 hours). <b>2018</b> , 53, 163-170	4
203	Efecto del estra caltico y el estra oxidativo en la funciti esperm <b>t</b> ica de los mam <b>f</b> eros. <b>2018</b> , 12,	1
202	The male contribution to recurrent pregnancy loss. <b>2018</b> , 7, S317-S327	11
201	The relationship between sperm DNA fragmentation, free radicals and antioxidant capacity with idiopathic repeated pregnancy loss. <b>2018</b> , 18, 330-335	33
200	Royal jelly protects male rats from heat stress-induced reproductive failure. <b>2019</b> , 51, e13213	5
199	Is sperm DNA fragmentation a useful test that identifies a treatable cause of male infertility?. <b>2018</b> , 53, 11-19	13
198	Fatherhood and Sperm DNA Damage in Testicular Cancer Patients. 2018, 9, 506	17
197	Oxidative stress in sperm affects the epigenetic reprogramming in early embryonic development. <b>2018</b> , 11, 60	43
196	Analysis on the association between sperm DNA fragmentation index and conventional semen parameters, blood microelements and seminal plasma ROS in male patients with infertility. <b>2018</b> , 15, 5173-5176	12
195	Maternal and postnatal high-fat diets with high <b>B</b> : <b>B</b> ratios affect the reproductive performance of male offspring in the mouse. <b>2018</b> , 30, 1491-1502	O
194	Spermiation. <b>2018</b> , 145-151	Ο
193	Transgenerational inheritance: how impacts to the epigenetic and genetic information of parents affect offspring health. <b>2019</b> , 25, 518-540	61

192	Sperm DNA Fragmentation: Consequences for Reproduction. <b>2019</b> , 1166, 87-105	21
191	Magnetic Activated Cell Sorting of Human Spermatozoa. <b>2019</b> , 353-358	
190	Improved Post-Thaw Quality of Canine Semen after Treatment with Exosomes from Conditioned Medium of Adipose-Derived Mesenchymal Stem Cells. <b>2019</b> , 9,	21
189	An additional marker for sperm DNA quality evaluation in spermatozoa of male partners of couples undergoing assisted reproduction technique (IVF/ICSI): Protamine ratio. <b>2019</b> , 51, e13400	7
188	Soy Isoflavones Improve the Spermatogenic Defects in Diet-Induced Obesity Rats through Nrf2/HO-1 Pathway. <b>2019</b> , 24,	9
187	Removal of DNA-fragmented spermatozoa using flow cytometry and sorting does not improve the outcome of intracytoplasmic sperm injection. <b>2019</b> , 36, 2079-2086	5
186	Dietary Micronutrient Supplementation for 12 Days in Obese Male Mice Restores Sperm Oxidative Stress. <b>2019</b> , 11,	11
185	Beneficial effect of antioxidant therapy on sperm DNA integrity is not associated with a similar effect on sperm chromatin integrity. <b>2019</b> , 4, 31-31	2
184	Single and Double Strand Sperm DNA Damage: Different Reproductive Effects on Male Fertility. <b>2019</b> , 10,	42
183	A key role for sex chromosomes in the regulation of parthenogenesis in the brown alga Ectocarpus. <b>2019</b> , 15, e1008211	11
182	Clinical utility of sperm DNA damage in male infertility. <b>2019</b> , 61, 118-127	15
181	Silver nanoparticles testicular toxicity in rat. <b>2019</b> , 70, 103194	14
180	DNA fragmentation in concert with the simultaneous assessment of cell viability in a subfertile population: establishing thresholds of normality both before and after density gradient centrifugation. <b>2019</b> , 36, 1413-1421	2
179	Ageing associated proteomic variations in seminal plasma of Indian men. <b>2019</b> , 10, 83-89	1
178	A RNA-Seq Analysis to Describe the Boar Sperm Transcriptome and Its Seasonal Changes. <b>2019</b> , 10, 299	30
177	A Comparison Between Two Assays for Measuring Seminal Oxidative Stress and their Relationship with Sperm DNA Fragmentation and Semen Parameters. <b>2019</b> , 10,	47
176	The effects of male social environment on sperm phenotype and genome integrity. <b>2019</b> , 32, 535-544	11
175	Detection of protamine 2 in bovine spermatozoa and testicles. <b>2019</b> , 7, 373-381	6

174	45,X/46,XY Mosaicism and Normozoospermia in a Patient with Male Phenotype. <b>2019</b> , 2019, 2529080	2
173	Limits of current male fertility testing. <b>2019</b> , 111, 835-841	27
172	Sperm DNA fragmentation valued by SCSA and its correlation with conventional sperm parameters in male partner of recurrent spontaneous abortion couple. <b>2019</b> , 13, 152-159	7
171	The progesterone-induced sperm acrosome reaction is a good option for the prediction of fertilization in vitro compared with other sperm parameters. <b>2019</b> , 51, e13278	3
170	Double-stranded sperm DNA damage îs a cause of delay in embryo development and can impair împlantation rates. <b>2019</b> , 111, 699-707.e1	43
169	Resistin in Human Seminal Plasma: Relationship with Lipid Peroxidation, CAT Activity, GSH/GSSG Ratio, and Semen Parameters. <b>2019</b> , 2019, 2192093	8
168	DNA Damage and Repair in Human Reproductive Cells. <b>2018</b> , 20,	54
167	The relationship among sperm global DNA methylation, telomere length, and DNA fragmentation in varicocele: a cross-sectional study of 20 cases. <b>2019</b> , 65, 95-104	12
166	Paternal factors and embryonic development: Role in recurrent pregnancy loss. <b>2019</b> , 51, e13171	10
165	Insights into soy lecithin and egg yolk-based extenders for chilling canine spermatozoa. <b>2019</b> , 27, 17-24	4
164	Extender Supplementation with Antioxidants Selected after the Evaluation of Sperm Susceptibility to Oxidative Challenges in Goats. <b>2019</b> , 30, 21-29	2
163	Investigating the level of DNA double-strand break in human spermatozoa and its relation to semen characteristics and IVF outcome using phospho-histone H2AX antibody as a biomarker. <b>2020</b> , 8, 421-426	4
162	Relationship between leukocytospermia, reproductive potential after assisted reproductive technology, and sperm parameters: a systematic review and meta-analysis of case-control studies. <b>2020</b> , 8, 125-135	18
161	Effects of bisphenol A exposure on DNA integrity and protamination of mouse spermatozoa. <b>2020</b> , 8, 486-496	10
160	Mass Spectrometry Reveals New Insights into the Production of Superoxide Anions and 4-Hydroxynonenal Adducted Proteins in Human Sperm. <b>2020</b> , 20, e1900205	5
159	Efficiency and cell viability implications using tip type electroporation in zebrafish sperm cells. <b>2020</b> , 47, 5879-5887	2
158	Roles of AMP-Activated Protein Kinase (AMPK) in Mammalian Reproduction. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 593005	6
157	Proteomic Analysis in Seminal Plasma of Fertile Donors and Infertile Patients with Sperm DNA Fragmentation. <b>2020</b> , 21,	1

156	Effects of testicular sperm aspiration upon first cycle ICSI-ET for type 2 diabetic male patients. <b>2020</b> , 66, 355-363	1
155	Selenium Ameliorates Ibuprofen Induced Testicular Toxicity by Redox Regulation: Running Head: Se protects against NSAID induced testicular toxicity. <b>2020</b> , 96, 349-358	7
154	Reproductive Processes of Marine Animals as Biomarker for Environmental Stress Impact. <b>2020</b> , 3283-3298	O
153	Sperm chromatin condensation and single- and double-stranded DNA damage as important parameters to define male factor related recurrent miscarriage. <b>2020</b> , 87, 1126-1132	4
152	Relationship of Seminal Oxidation-Reduction Potential with Sperm DNA Integrity and pH in Idiopathic Infertile Patients. <b>2020</b> , 9,	3
151	Male aging as a causative factor of detrimental changes in human conventional semen parameters and sperm DNA integrity. <b>2020</b> , 23, 1321-1332	Ο
150	Relationship between sperm morphology and sperm DNA dispersion. <b>2020</b> , 9, 405-415	6
149	The Impact of Single- and Double-Strand DNA Breaks in Human Spermatozoa on Assisted Reproduction. <b>2020</b> , 21,	15
148	Experimental evidence for effects of sexual selection on condition-dependent mutation rates. <b>2020</b> , 4, 737-744	9
147	Efficacy of Antioxidant Supplementation on Conventional and Advanced Sperm Function Tests in Patients with Idiopathic Male Infertility. <b>2020</b> , 9,	26
146	Developmental origins of transgenerational sperm histone retention following ancestral exposures. <b>2020</b> , 465, 31-45	13
145	Useful impacts of royal jelly on reproductive sides, fertility rate and sperm traits of animals. <b>2020</b> , 104, 1798-1808	11
144	Improved viability and fertility of frozen-thawed dog sperm using adipose-derived mesenchymal stem cells. <b>2020</b> , 10, 7034	8
143	Effect of whey protein supplementation on sperm quality and fertility in male mice. <b>2020</b> , 141, 111366	
142	Association of hMSH5 C85T polymorphism with radiation sensitivity of testicular cell lines GC-1, GC-2, TM3, and TM4. <b>2020</b> , 8, 1174-1183	0
141	Effect of wash and swim-up and density gradient sperm preparation on sperm DNA fragmentation. <b>2021</b> , 45, 2002-2005	1
140	TUNEL assay-Standardized method for testing sperm DNA fragmentation. 2021, 53, e13738	5
139	Sperm DNA fragmentation is a novel biomarker for early pregnancy loss. <b>2021</b> , 42, 175-184	7

138	Sperm morphology and its disorders in the context of infertility. 2021, 2, 75-92	2
137	Evaluation of DNA and cellular damage caused by methyl-, ethyl- and butylparaben in vitro. <b>2021</b> , 103, 85-103	1
136	Semiquantitative promoter methylation of MLH1 and MSH2 genes and their impact on sperm DNA fragmentation and chromatin condensation in infertile men. <b>2021</b> , 53, e13827	3
135	Using hair cortisol analysis to understand the biological factors that affect black-footed ferret () stress physiology. <b>2021</b> , 9, coab033	
134	Sperm a cell in distress: Yoga to the rescue. 2, 3	
133	Aging increases oxidative stress in semen. <b>2021</b> , 62, 233-238	2
132	Correlation between sperm DNA fragmentation index and semen parameters in 418 men seen at a fertility center. <b>2021</b> , 25, 349-357	O
131	Association of Zinc deficiency, oxidative stress and increased double-stranded DNA breaks in globozoospermic infertile patients and its implication for the assisted reproductive technique. <b>2021</b> , 10, 1088-1101	O
130	Clinical implications of sperm DNA damage in IVF and ICSI: updated systematic review and meta-analysis. <b>2021</b> , 96, 1284-1300	21
129	Porcine oocyte preincubation in oviductal fluid flush before fertilization in the presence of oviductal epithelial cells improves monospermic zygote production. <b>2021</b> , 29, 350-357	
128	Clinical Value of Sperm Function Tests. <b>2021</b> , 234-244	
127	DNA Damage: COMET Assay. <b>2021</b> , 202-212	
126	DNA Damage: TdT-Mediated dUTP Nick-End-Labelling Assay. <b>2021</b> , 163-191	
125	Life and Death in the Germ Line. <b>2021</b> , 35-48	
124	Microbiological Evaluation and Sperm DNA Fragmentation in Semen Samples of Patients Undergoing Fertility Investigation. <b>2021</b> , 12,	3
123	Label-Free Evaluation of Chromatin Condensation in Human Normal Morphology Sperm Using Raman Spectroscopy. <b>2021</b> , 28, 2527-2539	2
122	Chromatin Condensation: Aniline Blue Stain. <b>2021</b> , 142-150	
121	Age-related changes in human conventional semen parameters and sperm chromatin structure assay-defined sperm DNA/chromatin integrity. <b>2021</b> , 42, 973-982	2

120	Liquid chromatography-tandem mass spectrometry reveals an active response to DNA damage in human spermatozoa <b>2021</b> , 2, 153-163		О
119	Sperm Oxidative Stress during In Vitro Manipulation and Its Effects on Sperm Function and Embryo Development. <b>2021</b> , 10,		10
118	Complete Chromatin Decondensation of Pig Sperm Is Required to Analyze Sperm DNA Breaks With the Comet Assay. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 675973	5.7	2
117	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. <b>2021</b> , 4, 769		12
116	DNA fragmentation, antioxidants and ART. <b>2021</b> , 606-611		
115	Chronic Prostatitis/Chronic Pelvic Pain Syndrome Leads to Impaired Semen Parameters, Increased Sperm DNA Fragmentation and Unfavorable Changes of Sperm Protamine mRNA Ratio. <b>2021</b> , 22,		1
114	Sperm deoxyribonucleic acid fragmentation: predictors, fertility outcomes, and assays among infertile males. <b>2021</b> , 2, 282-288		
113	Identification of distinct seminal plasma cytokine profiles associated with male age and lifestyle characteristics in unexplained recurrent pregnancy loss. <b>2021</b> , 147, 103349		1
112	Role of Antioxidants Supplementation in the Treatment of Male Infertility.		О
111	Comparison of 3- and 6-Month Outcomes of Combined Oral L-Carnitine Fumarate and Acetyl-L-Carnitine Therapy, Included in an Antioxidant Formulation, in Patients with Idiopathic Infertility. <b>2021</b> , 15, 15579883211036790		2
110	Oestrogenic metabolite equol negatively impacts the functionality of ram spermatozoa in vitro. <i>Theriogenology</i> , <b>2021</b> , 172, 216-222	2.8	1
109	Genetic Association in the Maintenance of the Mitochondrial Microenvironment and Sperm Capacity. <b>2021</b> , 2021, 5561395		1
108	Seminal Plasma Does Not Influence Canine Semen Stored at 5°C for Long-Term Conservation. 2021,		O
107	Sperm DNA Damage: Causes and Guidelines for Current Clinical Practice. <b>2011</b> , 155-179		1
106	The Role of the Oocyte in Remodeling of Male Chromatin and DNA Repair: Are Events During the Zygotic Cell Cycle of Relevance to ART?. <b>2011</b> , 227-243		5
105	Sperm Chromatin Dispersion Test: Technical Aspects and Clinical Applications. <b>2013</b> , 257-281		1
104	Yoga, Meditation, and Acupuncture for Male Reproductive Health. 2020, 593-602		1
103	Sperm DNA Tests Are Clinically Useful: Pro. <b>2018</b> , 431-467		1

102	Andrologie in der interdisziplinfen Reproduktionsmedizin. <b>2013</b> , 447-482	11
101	Revisiting summer infertility in the pig: could heat stress-induced sperm DNA damage negatively affect early embryo development?. <b>2017</b> , 57, 1975	11
100	Association of XRCC1 and ERCC2 promotersOmethylation with chromatin condensation and sperm DNA fragmentation in idiopathic oligoasthenoteratozoospermic men. <b>2021</b> , 53, e13925	3
99	Double stranded sperm DNA breaks, measured by Comet assay, are associated with unexplained recurrent miscarriage in couples without a female factor. <b>2012</b> , 7, e44679	80
98	Antioxidant potential of seminal plasma in normozoospermia and asthenozoospermia. 2020, 21, 14-19	2
97	Mechanisms of ROS-induced mitochondria-dependent apoptosis underlying liquid storage of goat spermatozoa. <b>2019</b> , 11, 7880-7898	18
96	Physically Active Men Show Better Semen Parameters than Their Sedentary Counterparts. <b>2017</b> , 11, 156-165	13
95	Sperm selection for assisted reproduction by prior hyaluronan binding: the HABSelect RCT. <b>2019</b> , 6, 1-80	7
94	The incriminating role of reactive oxygen species in idiopathic male infertility: an evidence based evaluation. <b>2010</b> , 13, 413-22	69
93	Male obesity and subfertility, is it really about increased adiposity?. <b>2015</b> , 17, 450-8	34
92	Sperm DNA damage has a negative effect on early embryonic development following fertilization. <b>2018</b> , 20, 75-79	44
91	Distribution of DNA damage in the human sperm nucleus: implications of the architecture of the sperm head. <b>2020</b> , 22, 401-408	3
90	Beneficial Effect of an Oral Antioxidant Supplementation (Fertimax2) on IVF-ICSI Outcomes: A Preliminary Clinical Study. <b>2014</b> , 02, 47-56	4
89	Expression of selenium-independent glutathione peroxidase 5 (GPx5) in the epididymis of Small Tail Han sheep. <b>2018</b> , 31, 1591-1597	4
88	Protective Effects of Melissa officinalis (Lemon Balm) on Sperm Parameters and Spermatogenesis Quality in Rats Exposed to Lead. <b>2016</b> , 18,	1
87	To Evaluate the Efficacy of Combination Antioxidant Therapy on Oxidative Stress Parameters in Seminal Plasma in the Male Infertility. <b>2016</b> , 10, QC14-7	6
86	Sperm Vitality and Necrozoospermia: Diagnosis, Management, and Results of a Global Survey of Clinical Practice. <b>2021</b> ,	2
85	Direct but Not Indirect Methods Correlate the Percentages of Sperm With Altered Chromatin to the Intensity of Chromatin Damage. <b>2021</b> , 8, 719319	2

84	Protection of Epididymal Spermatozoa from Oxidative Stress. <b>2012</b> , 95-118
83	Magnetic-Activated Cell Sorting of Human Spermatozoa. <b>2012</b> , 265-272
82	Role of Oxidative Stress in the Etiology of Sperm DNA Damage. <b>2013</b> , 161-183
81	Update Andrologie. <b>2013</b> , 270-275
80	Spermatogenesis: An Overview. <b>2013</b> , 127-160
79	Male Subfertility and Sperm Chromatin Damage. <b>2013</b> , 117-136
78	Basic and Clinical Aspects of Sperm Chromomycin A3 Assay. <b>2013</b> , 283-293
77	Magnetic-Activated Cell Sorting of Human Spermatozoa. <b>2013</b> , 131-144
76	Role of Oxidative Stress in the Etiology of Sperm DNA Damage. <b>2013</b> , 57-79
75	Laboratory Evaluation of Sperm Chromatin: TUNEL Assay. <b>2013</b> , 321-340
74	Sperm Processing and Selection. <b>2013</b> , 371-383
73	Inter-center variation in the efficiency of sperm DNA damage reduction following density gradient centrifugation. <b>2013</b> , 05, 15-20
72	The Relationship Between Chromatin Structure and DNA Damage in Mammalian Spermatozoa. <b>2013</b> , 45-53
71	Sperm Nucleoproteins. <b>2013</b> , 23-43
70	Spermatogenesis: An Overview. <b>2013</b> , 23-55
69	Antithetical Roles of Reactive Oxygen Species in Mammalian Reproduction. <b>2014</b> , 2705-2721
68	Fenitrothion alters sperm characteristics in rats: ameliorating effects of palm oil tocotrienol-rich fraction. <b>2014</b> , 63, 383-93
67	Protective Effects of £ocopherol on the Activity and Antioxidant Profile of Bovine Spermatozoa Subjected to Ferrous Ascorbate-Induced Oxidative Stress. <b>2016</b> , 64, 1245-1255

#### (2018-2016)

66	De novo cytogenetic alterations in spermatozoa of subfertile males might be due to genome instability associated with idiopathic male infertility: Experimental evidences and Review of the literature. <b>2016</b> , 03, 219-238	1
65	Advancing Paternal Age: The Ticking Biological Clock. <b>2017</b> , 349-359	1
64	Defective Spermatogenesis and Sperm DNA Damage. <b>2018</b> , 229-261	
63	Sperm DNA and Natural Pregnancy. <b>2018</b> , 365-391	
62	Sperm Chromatin and Environmental Factors. <b>2018</b> , 301-319	0
61	Sperm DNA and Pregnancy Loss After IVF and ICSI. <b>2018</b> , 411-430	O
60	The Influence of Advanced Paternal Age on Sperm Chromatin Integrity and Early Embryo Morphological Development during ICSI. <b>2018</b> , 06, 35-49	
59	A thorough RNA-seq characterization of the porcine sperm transcriptome and its seasonal changes.	
58	Sperm Processing and Selection. <b>2020</b> , 647-659	
57	The effect of pre- and postnatal exposure to a mixture of daidzein and genistein on the reproductive system of male rats. <b>2020</b> , 66, 5-12	2
56	Oxidative and/or Inflammatory Thrust Induced by Silver Nanoparticles in Rabbits: Effect of Vitamin E or NSAID Administration on Semen Parameters. <b>2020</b> , 2020, 6664062	0
55	Application of the comet assay for the evaluation of DNA damage in mature sperm. <b>2021</b> , 788, 108398	2
54	Beneficial effects of hypotaurine supplementation in preparation and freezing media on human sperm cryo-capacitation and DNA quality. <b>2021</b> , 31, 26	1
53	Sperm chromatin condensation as an in vivo fertility biomarker in bulls: a flow cytometry approach. <b>2021</b> , 12, 115	1
52	Protective effects of restricted diet and antioxidants on testis tissue in rats fed with high-fat diet. <b>2015</b> , 19, 96-101	11
51	The rates of premature chromosome condensation and embryo development after injection of irradiated sperms into hamster oocytes. <b>2013</b> , 11, 391-8	2
50	The radioprotective effects of Moringa oleifera against mobile phone electromagnetic radiation-induced infertility in rats. <b>2015</b> , 8, 12487-97	19
49	Basic and clinical genetic studies on male infertility in Iran during 2000-2016: A review. <b>2018</b> , 16, 131-148	7

48	Association of serum content of 25-hydroxy vitamin D with semen quality in normozoospermic and oligoasthenoteratozoospermic men. <b>2018</b> , 16, 689-696		4
47	The relationship between genitourinary microorganisms and oxidative stress, sperm DNA fragmentation and semen parameters in infertile men. <b>2021</b> , e14322		2
46	Physiological role of reactive oxygen species in testis and epididymal spermatozoa 2022, e14367		О
45	DNA comethylation analysis reveals a functional association between BRCA1 and sperm DNA fragmentation <b>2022</b> ,		
44	Reactive oxygen species and their consequences on the structure and function of mammalian spermatozoa <b>2021</b> ,		1
43	Increased male investment in sperm competition results in offspring of lower quality.		О
42	Sperm DNA damage compromises embryo development, but not oocyte fertilisation in pigs <i>Biological Research</i> , <b>2022</b> , 55, 15	7.6	0
41	The Sixth Edition of the WHO Manual for Human Semen Analysis: A Critical Review and SWOT Analysis <i>Life</i> , <b>2021</b> , 11,	3	8
40	Studying the mechanism of sperm DNA damage caused by folate deficiency <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> ,	5.6	3
39	The Capacity to Repair Sperm DNA Damage in Zygotes is Enhanced by Inhibiting WIP1 Activity <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 841327	5.7	O
38	Table_1.XLSX. <b>2019</b> ,		
37	Table_10.xlsx. <b>2019</b> ,		
36	Table_11.xlsx. <b>2019</b> ,		
35	Table_12.xlsx. <b>2019</b> ,		
34	Table_13.xlsx. <b>2019</b> ,		
33	Table_14.xlsx. <b>2019</b> ,		
32	Table_2.XLSX. <b>2019</b> ,		
31	Table_3.xlsx. <b>2019</b> ,		

30	Table_4.xlsx. <b>2019</b> ,		
29	Table_5.XLSX. <b>2019</b> ,		
28	Table_6.XLSX. <b>2019</b> ,		
27	Table_7.XLSX. <b>2019</b> ,		
26	Table_8.xlsx. <b>2019</b> ,		
25	Table_9.xlsx. <b>2019</b> ,		
24	Valproic acid during pregnancy decrease the number of spermatogenic cells and testicular volume in the offspring of mice: Stereological quantification. <i>Histology and Histopathology</i> , <b>2021</b> , 18380	1.4	
23	Bimodal interplay of reactive oxygen and nitrogen species in physiology and pathophysiology of bovine sperm function <i>Theriogenology</i> , <b>2022</b> , 187, 82-94	2.8	1
22	The relationship between reactive oxygen species, DNA fragmentation, and sperm parameters in human sperm using simplified sucrose vitrification with or without triple antioxidant supplementation. Clinical and Experimental Reproductive Medicine, 2022, 49, 117-126	2.2	1
21	Smoking and Its Consequences on Male and Female Reproductive Health.		
20	Seminal Microbiota of Idiopathic Infertile Patients and Its Relationship With Sperm DNA Integrity. <i>Frontiers in Cell and Developmental Biology</i> , 10,	5.7	O
19	Low-dose ionizing radiation and adverse birth outcomes: a systematic review and meta-analysis.		
18	DNA double-strand break repair in male germ cells during spermatogenesis and its association with male infertility development. <b>2022</b> , 118, 103386		O
17	Male infertility and somatic health 🛭 nsights into lipid damage as a mechanistic link.		О
16	Paraoxonase 1 activity in the sperm-rich portion of boar ejaculates is positively associated with sperm quality. <b>2022</b> , 19,		O
15	Coenzyme Q10 Supplementation enhances testicular volume and hemodynamics, reproductive hormones, sperm quality, and seminal antioxidant capacity in goat bucks under summer hot humid conditions.		О
14	Determination of double- and single-stranded DNA breaks in bovine sperm is predictive of their fertilizing capacity. <b>2022</b> , 13,		1
13	The Sperm: Parameters and Evaluation.		O

12	Ameliorative role of chitosan nanoparticles against silver nanoparticle-induced reproductive toxicity in male albino rats.	0
11	Pathological Role of Reactive Oxygen Species on Female Reproduction. <b>2022</b> , 201-220	0
10	Roles of Oxidative Stress in the Male Reproductive System: Potential of Antioxidant Supplementation for Infertility Treatment. <b>2022</b> , 259-274	1
9	Acquired Sperm DNA Modifications: Causes, Consequences, and Potential Solutions. 83-93	1
8	In Vitro Combination of Ascorbic and Ellagic Acids in Sperm Oxidative Damage Inhibition. 2022, 23, 14751	1
7	COMPARATIVE RADIOPATHOLOGY OF MALE REPRODUCTIVE ORGANS IN SPRAGUE DAWLEY RATS ADMINISTERED WITHCurcuma longaANDOcimum sanctumAGAINST ACUTE GAMMA IRRADIATION.	O
6	Bull spermatozoa selected by thermotaxis exhibit high DNA integrity, specific head morphometry, and improve ICSI outcome. <b>2023</b> , 14,	0
5	New horizons in human sperm selection for assisted reproduction. 14,	O
4	Increased male investment in sperm competition results in reduced maintenance of gametes. <b>2023</b> , 21, e3002049	0
3	SPERM CHROMATIN DISPERSION TEST FOR EXAMINATION OF INFERTILE MALE: FROM HINICAL TRIALS OF FIRST RUSSIAN KIT GEMSTANDARTHALOSPERM L& Q. <b>2022</b> , 37-56	O
2	Sperm DNA damage: The possible link between obesity and male infertility, an update of the current literature.	О
1	Sperm competition increases sperm production and quality in Cataglyphis desert ants. <b>2023</b> , 290,	O