

# Jaime MarÃ-a de Berenguer de Santiago

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8916109/publications.pdf>

Version: 2024-02-01

239  
papers

6,906  
citations

70961

41  
h-index

85405

71  
g-index

242  
all docs

242  
docs citations

242  
times ranked

5062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple determination of human sperm DNA fragmentation with an improved sperm chromatin dispersion test. <i>Fertility and Sterility</i> , 2005, 84, 833-842.	0.5	385
2	Bibliometrics: tracking research impact by selecting the appropriate metrics. <i>Asian Journal of Andrology</i> , 2016, 18, 296.	0.8	320
3	Male Oxidative Stress Infertility (MOSI): Proposed Terminology and Clinical Practice Guidelines for Management of Idiopathic Male Infertility. <i>World Journal of Men's Health</i> , 2019, 37, 296.	1.7	256
4	Types, Causes, Detection and Repair of DNA Fragmentation in Animal and Human Sperm Cells. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14026-14052.	1.8	246
5	Sperm DNA fragmentation in infertile men with genitourinary infection by <i>Chlamydia trachomatis</i> and <i>Mycoplasma</i> . <i>Fertility and Sterility</i> , 2008, 90, 328-334.	0.5	203
6	Comparison of reproductive outcome in oligozoospermic men with high sperm DNA fragmentation undergoing intracytoplasmic sperm injection with ejaculated and testicular sperm. <i>Fertility and Sterility</i> , 2015, 104, 1398-1405.	0.5	195
7	Epigenetics and its role in male infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 213-223.	1.2	176
8	Dynamics of sperm DNA fragmentation in domestic animals. <i>Theriogenology</i> , 2008, 70, 898-908.	0.9	128
9	Sperm DNA fragmentation testing: Summary evidence and clinical practice recommendations. <i>Andrologia</i> , 2021, 53, e13874.	1.0	121
10	Relationships between the dynamics of iatrogenic DNA damage and genomic design in mammalian spermatozoa from eleven species. <i>Molecular Reproduction and Development</i> , 2011, 78, 951-961.	1.0	119
11	Effects of oral antioxidant treatment upon the dynamics of human sperm DNA fragmentation and subpopulations of sperm with highly degraded DNA. <i>Andrologia</i> , 2013, 45, 211-216.	1.0	115
12	Dynamics of sperm DNA fragmentation in domestic animals. <i>Theriogenology</i> , 2007, 68, 1240-1250.	0.9	103
13	A two-tailed Comet assay for assessing DNA damage in spermatozoa. <i>Reproductive BioMedicine Online</i> , 2009, 18, 609-616.	1.1	103
14	Shorter abstinence decreases sperm deoxyribonucleic acid fragmentation in ejaculate. <i>Fertility and Sterility</i> , 2011, 96, 1083-1086.	0.5	100
15	Infertile Men With Varicocele Show a High Relative Proportion of Sperm Cells With Intense Nuclear Damage Level, Evidenced by the Sperm Chromatin Dispersion Test. <i>Journal of Andrology</i> , 2006, 27, 106-111.	2.0	95
16	Protamine 1 to protamine 2 ratio correlates with dynamic aspects of DNA fragmentation in human sperm. <i>Fertility and Sterility</i> , 2011, 95, 105-109.	0.5	91
17	Diagnostic accuracy of sperm DNA degradation index (DDSi) as a potential noninvasive biomarker to identify men with varicocele-associated infertility. <i>International Urology and Nephrology</i> , 2015, 47, 1471-1477.	0.6	88
18	DNA Damage and Repair in Human Reproductive Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 31.	1.8	88

#	ARTICLE	IF	CITATIONS
19	A new method to analyze boar sperm DNA fragmentation under bright-field or fluorescence microscopy. <i>Theriogenology</i> , 2006, 65, 308-316.	0.9	87
20	A translational medicine appraisal of specialized andrology testing in unexplained male infertility. <i>International Urology and Nephrology</i> , 2014, 46, 1037-1052.	0.6	86
21	DNA breakage detection-FISH (DBD-FISH) in human spermatozoa: technical variants evidence different structural features. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 453, 77-82.	0.4	84
22	Specialized sperm function tests in varicocele and the future of andrology laboratory. <i>Asian Journal of Andrology</i> , 2016, 18, 205.	0.8	76
23	Increased Aneuploidy Rate in Sperm With Fragmented DNA as Determined by the Sperm Chromatin Dispersion (SCD) Test and FISH Analysis. <i>Journal of Andrology</i> , 2006, 28, 38-49.	2.0	72
24	Increased pregnancy after reduced male abstinence. <i>Systems Biology in Reproductive Medicine</i> , 2013, 59, 256-260.	1.0	69
25	Priming Equine Bone Marrow-Derived Mesenchymal Stem Cells with Proinflammatory Cytokines: Implications in Immunomodulation—Immunogenicity Balance, Cell Viability, and Differentiation Potential. <i>Stem Cells and Development</i> , 2017, 26, 15-24.	1.1	69
26	Free radical and superoxide reactivity detection in semen quality assessment: past, present, and future. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 697-707.	1.2	68
27	Sperm deoxyribonucleic acid fragmentation dynamics in fertile donors. <i>Fertility and Sterility</i> , 2009, 92, 170-173.	0.5	60
28	Major morphological sperm abnormalities in the bull are related to sperm DNA damage. <i>Theriogenology</i> , 2011, 76, 23-32.	0.9	60
29	DNA fragmentation in frozen sperm of <i>Equus asinus</i> : Zamorano-Leonés, a breed at risk of extinction. <i>Theriogenology</i> , 2008, 69, 1022-1032.	0.9	54
30	Bacteria in bovine semen can increase sperm DNA fragmentation rates: A kinetic experimental approach. <i>Animal Reproduction Science</i> , 2011, 123, 139-148.	0.5	53
31	Halosperm® is an easy, available, and cost-effective alternative for determining sperm DNA fragmentation. <i>Fertility and Sterility</i> , 2005, 84, 860-860.	0.5	50
32	A dynamic assessment of sperm DNA fragmentation versus sperm viability in proven fertile human donors. <i>Fertility and Sterility</i> , 2009, 92, 1915-1919.	0.5	50
33	DBD-FISH on Neutral Comets: Simultaneous Analysis of DNA Single- and Double-Strand Breaks in Individual Cells. <i>Experimental Cell Research</i> , 2001, 270, 102-109.	1.2	48
34	Swim-up procedure selects spermatozoa with longer telomere length. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 688, 88-90.	0.4	47
35	Sex-sorted bovine spermatozoa and DNA damage: I. Static features. <i>Theriogenology</i> , 2011, 75, 197-205.	0.9	47
36	Application of FISH to Detect DNA Damage: DNA Breakage Detection-FISH (DBD-FISH). , 2002, 203, 203-216.		46

#	ARTICLE	IF	CITATIONS
37	Rapid assessment of the effect of ciprofloxacin on chromosomal DNA from Escherichia coli using an in situ DNA fragmentation assay. BMC Microbiology, 2009, 9, 69.	1.3	46
38	Simultaneous determination in situ of DNA fragmentation and 8-oxoguanine in human sperm. Fertility and Sterility, 2010, 93, 314-318.	0.5	46
39	Dynamics of sperm DNA damage in fresh versus frozen-thawed and gradient processed ejaculates in human donors. Andrologia, 2011, 43, 373-377.	1.0	44
40	Evidence that single-stranded DNA breaks are a normal feature of koala sperm chromatin, while double-stranded DNA breaks are indicative of DNA damage. Reproduction, 2009, 138, 267-278.	1.1	43
41	Critically short telomeres are associated with sperm DNA fragmentation. Fertility and Sterility, 2005, 84, 843-845.	0.5	42
42	DNA Fragmentation in Microorganisms Assessed In Situ. Applied and Environmental Microbiology, 2008, 74, 5925-5933.	1.4	42
43	Is sperm DNA fragmentation a good marker for field AI bull fertility?1. Journal of Animal Science, 2012, 90, 2437-2449.	0.2	42
44	DNA fragmentation dynamics allows the assessment of cryptic sperm damage in human: Evaluation of exposure to ionizing radiation, hyperthermia, acidic pH and nitric oxide. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 734, 41-49.	0.4	42
45	The ability of sperm selection techniques to remove single- or double-strand DNA damage. Asian Journal of Andrology, 2011, 13, 764-768.	0.8	42
46	An Improved Experimental Model for Understanding the Impact of Sperm DNA Fragmentation on Human Pregnancy Following ICSI. Reproductive Sciences, 2012, 19, 1163-1168.	1.1	41
47	Sperm DNA fragmentation in boars is delayed or abolished by using sperm extenders. Theriogenology, 2006, 66, 2137-2143.	0.9	40
48	Can DNA fragmentation of neat or swim-up spermatozoa be used to predict pregnancy following ICSI of fertile oocyte donors?. Asian Journal of Andrology, 2013, 15, 812-818.	0.8	39
49	Relative quantification and mapping of hepatitis C virus by in situ hybridization and digital image analysis. Hepatology, 1998, 27, 1428-1434.	3.6	38
50	Structure of human sperm DNA and background damage, analysed by in situ enzymatic treatment and digital image analysis. Molecular Human Reproduction, 2004, 10, 203-209.	1.3	38
51	Osmotic stress and cryoinjury of koala sperm: an integrative study of the plasma membrane, chromatin stability and mitochondrial function. Reproduction, 2012, 143, 787-797.	1.1	38
52	The Relationship Between Sperm Morphology and Chromatin Integrity in the Koala ( <i>Phascolarctos</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tj 28, 891-899.	2.0	36
53	Sperm DNA fragmentation in zebrafish ( <i>Danio rerio</i> ) and its impact on fertility and embryo viability â€” Implications for fisheries and aquaculture. Aquaculture, 2014, 433, 173-182.	1.7	36
54	Sex-sorted bovine spermatozoa and DNA damage: II. Dynamic features. Theriogenology, 2011, 75, 206-211.	0.9	35

#	ARTICLE	IF	CITATIONS
55	Dynamics of sperm DNA fragmentation in the swine: Ejaculate and temperature effects. <i>Animal Reproduction Science</i> , 2010, 119, 235-243.	0.5	34
56	Differential resistance of mammalian sperm chromatin to oxidative stress as assessed by a two-tailed comet assay. <i>Reproduction, Fertility and Development</i> , 2011, 23, 633.	0.1	34
57	Human prostasomes from normozoospermic and non-normozoospermic men show a differential protein expression pattern. <i>Andrology</i> , 2018, 6, 585-596.	1.9	33
58	Rapid rates of sperm DNA damage after activation in tench ( <i>Tinca tinca</i> : Teleostei, Cyprinidae) measured using a sperm chromatin dispersion test. <i>Reproduction</i> , 2009, 138, 257-266.	1.1	32
59	DNA Fragmentation Dynamics in Fresh Versus Frozen Thawed Plus Gradient-Isolated Human Spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 27-36.	1.0	32
60	Evidence of abundant constitutive alkali-labile sites in human 5 bp classical satellite DNA loci by DBD-FISH. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 473, 163-168.	0.4	31
61	Alkali-labile sites in sperm cells from <i>Sus</i> and <i>Ovis</i> species. <i>Journal of Developmental and Physical Disabilities</i> , 2008, 31, 354-363.	3.6	31
62	Dynamics of sperm DNA fragmentation in patients carrying structurally rearranged chromosomes. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, e546-e553.	3.6	31
63	Interpreting sperm DNA damage in a diverse range of mammalian sperm by means of the two-tailed comet assay. <i>Frontiers in Genetics</i> , 2014, 5, 404.	1.1	31
64	Characterisation of a subpopulation of sperm with massive nuclear damage, as recognised with the sperm chromatin dispersion test. <i>Andrologia</i> , 2014, 46, 602-609.	1.0	31
65	Development of Silver Stained Structures During Spermatogenesis of <i>Schistocerca Gregaria</i> (Forsk.) (Orthoptera: Acrididae). <i>Caryologia</i> , 1982, 35, 261-267.	0.2	30
66	Sperm DNA fragmentation in a random sample of the Spanish boar livestock. <i>Animal Reproduction Science</i> , 2008, 103, 87-98.	0.5	30
67	Frozen-thawed rhinoceros sperm exhibit DNA damage shortly after thawing when assessed by the sperm chromatin dispersion assay. <i>Theriogenology</i> , 2009, 72, 711-720.	0.9	30
68	New Application of the Comet Assay. <i>Journal of Histochemistry and Cytochemistry</i> , 2011, 59, 655-660.	1.3	30
69	Fragmentation dynamics of frozen-thawed ram sperm DNA is modulated by sperm concentration. <i>Theriogenology</i> , 2010, 74, 1362-1370.	0.9	29
70	Elevated dietary intake of Zn-methionate is associated with increased sperm DNA fragmentation in the boar. <i>Reproductive Toxicology</i> , 2011, 31, 570-573.	1.3	29
71	Effect of single-layer centrifugation or washing on frozen-thawed donkey semen quality: Do they have the same effect regardless of the quality of the sample?. <i>Theriogenology</i> , 2015, 84, 294-300.	0.9	29
72	Sperm DNA Fragmentation: A Critical Assessment of Clinical Practice Guidelines. <i>World Journal of Men's Health</i> , 2022, 40, 30.	1.7	27

#	ARTICLE	IF	CITATIONS
73	Dimethylacetamide can be used as an alternative to glycerol for the successful cryopreservation of koala ( <i>Phascolarctos cinereus</i> ) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2008, 20, 724.	0.1	27
74	Decreased length of telomeric DNA sequences and increased numerical chromosome aberrations in human osteoarthritic chondrocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 708, 50-58.	0.4	26
75	Comparison of Membrane-Permeant Fluorescent Probes for Sperm Viability Assessment in the Ram. <i>Reproduction in Domestic Animals</i> , 2013, 48, 598-603.	0.6	26
76	Multi-centre assessment of nitroblue tetrazolium reactivity in human semen as a potential marker of oxidative stress. <i>Reproductive BioMedicine Online</i> , 2017, 34, 513-521.	1.1	26
77	Two-Tailed Comet Assay (2T-Comet): Simultaneous Detection of DNA Single and Double Strand Breaks. <i>Methods in Molecular Biology</i> , 2017, 1560, 285-293.	0.4	26
78	Assessing Sperm DNA Fragmentation with the Sperm Chromatin Dispersion Test. <i>Methods in Molecular Biology</i> , 2011, 682, 291-301.	0.4	25
79	Nuclear DNA introgression across a Pyrenean hybrid zone between parapatric subspecies of the grasshopper <i>Chorthippus parallelus</i> . <i>Heredity</i> , 1994, 73, 436-443.	1.2	24
80	The dynamics of sperm DNA stability in Asian elephant ( <i>Elephas maximus</i> ) spermatozoa before and after cryopreservation. <i>Theriogenology</i> , 2012, 77, 998-1007.	0.9	24
81	Association of polymorphisms in genes coding for antioxidant enzymes and human male infertility. <i>Annals of Human Genetics</i> , 2019, 83, 63-72.	0.3	24
82	Telomeric and interstitial telomeric-like DNA sequences in Orthoptera genomes. <i>Genome</i> , 2004, 47, 757-763.	0.9	23
83	DNA damage in spermatozoa from infertile men with varicocele evaluated by sperm chromatin dispersion and DBD-FISH. <i>Archives of Gynecology and Obstetrics</i> , 2016, 293, 189-196.	0.8	22
84	Magnetic cell sorting of semen containing spermatozoa with high DNA fragmentation in ICSI cycles decreases miscarriage rate. <i>Reproductive BioMedicine Online</i> , 2017, 34, 506-512.	1.1	22
85	Quantification of C-ERB-B2 gene amplification in breast cancer cells using fluorescence in situ hybridization and digital image analysis. <i>Cancer Genetics and Cytogenetics</i> , 1996, 86, 18-21.	1.0	21
86	High frequency of constitutive alkali-labile sites in mouse major satellite DNA, detected by DNA breakage detection-fluorescence in situ hybridization. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 483, 43-50.	0.4	21
87	A rapid in situ procedure for determination of bacterial susceptibility or resistance to antibiotics that inhibit peptidoglycan biosynthesis. <i>BMC Microbiology</i> , 2011, 11, 191.	1.3	21
88	DNA fragmentation in epididymal freeze-dried ram spermatozoa impairs embryo development. <i>Journal of Reproduction and Development</i> , 2018, 64, 393-400.	0.5	21
89	DNA fragmentation kinetics and postthaw motility of flow cytometric-sorted white-tailed deer sperm1. <i>Journal of Animal Science</i> , 2011, 89, 3996-4006.	0.2	20
90	Differential Clustering of Sperm Subpopulations in Infertile Males With Clinical Varicocele and Carriers of Rearranged Genomes. <i>Journal of Andrology</i> , 2012, 33, 361-367.	2.0	20

#	ARTICLE	IF	CITATIONS
91	The Effect of Chilled Storage and Cryopreservation on the Sperm DNA Fragmentation Dynamics of a Captive Population of Koalas. <i>Journal of Andrology</i> , 2012, 33, 1007-1015.	2.0	20
92	The presence of human papillomavirus in semen does not affect the integrity of sperm DNA. <i>Andrologia</i> , 2017, 49, e12774.	1.0	20
93	Interstitial telomeric sequence blocks in constitutive pericentromeric heterochromatin from <i>Pyrgomorpha conica</i> (Orthoptera) are enriched in constitutive alkali-labile sites. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 599, 36-44.	0.4	19
94	Characterization of sperm DNA damage in Kartagener's syndrome with recurrent fertilization failure: Case revisited. <i>Sexual and Reproductive Healthcare</i> , 2010, 1, 73-75.	0.5	19
95	Fast Assessment of Resistance to Carbapenems and Ciprofloxacin of Clinical Strains of <i>Acinetobacter baumannii</i> . <i>Journal of Clinical Microbiology</i> , 2012, 50, 3609-3613.	1.8	19
96	Cryoprotective effect of glutamine, taurine, and proline on post-thaw semen quality and DNA integrity of donkey spermatozoa. <i>Animal Reproduction Science</i> , 2018, 189, 128-135.	0.5	19
97	Reliability of the sperm chromatin dispersion assay to evaluate sperm deoxyribonucleic acid damage in men with infertility. <i>Fertility and Sterility</i> , 2022, 117, 64-73.	0.5	19
98	Low levels of chromosomal differentiation between the grasshoppers <i>Chorthippus brunneus</i> and <i>Chorthippus jacobsi</i> (Orthoptera; Acrididae) in northern Spain. <i>Genetica</i> , 2002, 114, 121-127.	0.5	18
99	Simple and economic colloidal centrifugation protocols may be incorporated into the clinical equine sperm processing procedure. <i>Animal Reproduction Science</i> , 2011, 124, 85-89.	0.5	18
100	Cryopreservation of saltwater crocodile ( <i>Crocodylus porosus</i> ) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2017, 29, 2235.	0.1	18
101	Effect of cooled storage on quality and DNA integrity of Asian elephant ( <i>Elephas maximus</i> ) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2012, 24, 1105.	0.1	17
102	Seasonal variation in sperm characteristics of boars in southern Uruguay. <i>Revista Brasileira De Zootecnia</i> , 2015, 44, 1-7.	0.3	17
103	Male meiosis in Crustacea: synopsis, recombination, epigenetics and fertility in <i>Daphnia magna</i> . <i>Chromosoma</i> , 2016, 125, 769-787.	1.0	17
104	Stallion sperm selection prior to freezing using a modified colloid swim-up procedure without centrifugation. <i>Animal Reproduction Science</i> , 2017, 185, 83-88.	0.5	17
105	Magnetic-activated cell sorting is not completely effective at reducing sperm DNA fragmentation. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 2215-2221.	1.2	17
106	Relevance of Leukocytospermia and Semen Culture and Its True Place in Diagnosing and Treating Male Infertility. <i>World Journal of Men's Health</i> , 2022, 40, 191.	1.7	17
107	Sperm DNA fragmentation in donors and normozoospermic patients attending for a first spermogram: Static and dynamic assessment. <i>Andrologia</i> , 2018, 50, e12986.	1.0	16
108	DNA breakage detection-fish (DBD-FISH): effect of unwinding time. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 453, 83-88.	0.4	15

#	ARTICLE	IF	CITATIONS
109	Evidence of modified nuclear protein matrix in human spermatozoa with fragmented deoxyribonucleic acid. <i>Fertility and Sterility</i> , 2007, 87, 191-194.	0.5	15
110	Triplex configuration in the nick-free DNAs that constitute the chromosomal scaffolds in grasshopper spermatids. <i>Chromosoma</i> , 2008, 117, 15-24.	1.0	15
111	Directional mapping of DNA nicking in ejaculated and cauda epididymidal spermatozoa of the short-beaked echidna ( <i>Tachyglossus aculeatus</i> : Monotremata). <i>Reproduction, Fertility and Development</i> , 2009, 21, 1008.	0.1	15
112	Rapid Detection of Antibiotic Resistance in Gram-Negative Bacteria Through Assessment of Changes in Cellular Morphology. <i>Microbial Drug Resistance</i> , 2017, 23, 157-162.	0.9	15
113	Simultaneous Observation of DNA Fragmentation and Protein Loss in the Boar Spermatozoon Following Application of the Sperm Chromatin Dispersion (SCD) Test. <i>Journal of Andrology</i> , 2007, 28, 533-540.	2.0	14
114	Colloidal Centrifugation of Stallion Semen Results in a Reduced Rate of Sperm DNA Fragmentation. <i>Reproduction in Domestic Animals</i> , 2013, 48, e23-5.	0.6	14
115	Sperm DNA Fragmentation and Its Role in Wildlife Conservation. <i>Advances in Experimental Medicine and Biology</i> , 2014, 753, 357-384.	0.8	14
116	Localization of alkali-labile sites in donkey ( <i>Equus asinus</i> ) and stallion ( <i>Equus caballus</i> ) spermatozoa. <i>Theriogenology</i> , 2014, 81, 321-325.	0.9	14
117	Effect of Sperm Concentration and Storage Temperature on Goat Spermatozoa during Liquid Storage. <i>Biology</i> , 2020, 9, 300.	1.3	14
118	Dry biobanking as a conservation tool in the Anthropocene. <i>Theriogenology</i> , 2020, 150, 130-138.	0.9	14
119	Effects of freezing and activation on membrane quality and DNA damage in <i>Xenopus tropicalis</i> and <i>Xenopus laevis</i> spermatozoa. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1556.	0.1	14
120	Radiation-Induced DNA Breaks in Different Human Satellite DNA Sequence Areas, Analyzed by DNA Breakage Detection-Fluorescence In Situ Hybridization. <i>Radiation Research</i> , 2002, 157, 711-720.	0.7	13
121	Sex is Determined by Sex Chromosomes in <i>Littorina saxatilis</i> (Olivi) (Gastropoda, Prosobranchia). <i>Hereditas</i> , 2004, 124, 261-268.	0.5	13
122	Assessment of Sperm DNA Fragmentation in Stallion ( <i>Equus caballus</i> ) and Donkey ( <i>Equus asinus</i> ). <i>Theriogenology</i> , 2010, 72, 823-828.	0.6	13
123	Reduced sperm DNA longevity is associated with an increased incidence of still born; evidence from a multi-ovulating sequential artificial insemination animal model. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 1231-1238.	1.2	13
124	Dynamic assessment of human sperm DNA damage I: the effect of seminal plasma-sperm co-incubation after ejaculation. <i>International Urology and Nephrology</i> , 2018, 50, 1381-1388.	0.6	13
125	Image Processing and Analysis of Fluorescent Labelled Cytoskeleton. <i>Micron</i> , 1998, 29, 445-449.	1.1	12
126	Patterns of DNA migration in two-dimensional single-cell gel electrophoresis analyzed by DNA breakage detection-fluorescence in situ hybridization. <i>Environmental and Molecular Mutagenesis</i> , 2003, 42, 223-227.	0.9	12

#	ARTICLE	IF	CITATIONS
127	Sperm Chromatin Dispersion Test: Technical Aspects and Clinical Applications. , 2011, , 151-170.		12
128	The assessment of sperm DNA fragmentation in the saltwater crocodile ( <i>Crocodylus porosus</i> ). <i>Reproduction, Fertility and Development</i> , 2017, 29, 630.	0.1	12
129	Impact of polymorphism in DNA repair genes <i>OGG1</i> and <i>XRCC1</i> on seminal parameters and human male infertility. <i>Andrologia</i> , 2018, 50, e13115.	1.0	12
130	The incidence and etiology of sperm DNA fragmentation in the ejaculates of males with spinal cord injuries. <i>Spinal Cord</i> , 2020, 58, 803-810.	0.9	12
131	Associations between urinary concentrations of bisphenol A and sperm DNA fragmentation in young men. <i>Environmental Research</i> , 2021, 199, 111289.	3.7	12
132	Assessing sperm DNA fragmentation in the field: an adaptation of sperm chromatin dispersion technology. <i>Biotechnic and Histochemistry</i> , 2008, 83, 247-252.	0.7	11
133	Validation of the sperm chromatin dispersion (SCD) test in the amphibian <i>Xenopus laevis</i> using in situ nick translation and comet assay. <i>Reproduction, Fertility and Development</i> , 2015, 27, 1168.	0.1	11
134	Sperm Morphology Assessment in the Era of Intracytoplasmic Sperm Injection: Reliable Results Require Focus on Standardization, Quality Control, and Training. <i>World Journal of Men's Health</i> , 2022, 40, 347.	1.7	11
135	DNA Breakage Detection-FISH (DBD-FISH). , 2002, , 282-290.		11
136	Detection of DNA damage in cumulus cells using a chromatin dispersion assay. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 277-85.	1.0	11
137	Patterns of DNase sensitivity in the chromosomes of <i>Rana perezi</i> (Amphibia: Anura). <i>Genome</i> , 1995, 38, 339-343.	0.9	10
138	Whole-comparative genomic hybridization (W-CGH): 1. The quick overview of repetitive DNA sequences on a genome. <i>Chromosome Research</i> , 2003, 11, 673-679.	1.0	10
139	Interstitial telomeric DNA sequences of Chinese hamster cells are hypersensitive to nitric oxide damage, and DNA-PKcs has a specific local role in its repair. <i>Genes Chromosomes and Cancer</i> , 2005, 44, 76-84.	1.5	10
140	Koilocytes are enriched for alkaline-labile sites. <i>European Journal of Histochemistry</i> , 2010, 54, 32.	0.6	10
141	Seasonal changes in sperm DNA fragmentation of Murciano-Granadina goats: The compelling case for dynamic assessment. <i>Small Ruminant Research</i> , 2011, 100, 50-53.	0.6	10
142	5-bp Classical Satellite DNA Loci from Chromosome-1 Instability in Cervical Neoplasia Detected by DNA Breakage Detection/Fluorescence in Situ Hybridization (DBD-FISH). <i>International Journal of Molecular Sciences</i> , 2013, 14, 4135-4147.	1.8	10
143	Evaluation of environmental genotoxicity by comet assay in <i>Columba livia</i> . <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 61-66.	1.3	10
144	The effect of Chlamydia infection on koala ( <i>Phascolarctos cinereus</i> ) semen quality. <i>Theriogenology</i> , 2021, 167, 99-110.	0.9	10

#	ARTICLE	IF	CITATIONS
145	Whole-comparative genomic hybridization in domestic sheep ( <i>Ovis aries</i> ) breeds. <i>Cytogenetic and Genome Research</i> , 2009, 124, 19-26.	0.6	9
146	Validation of a Field Based Chromatin Dispersion Assay to Assess Sperm DNA Fragmentation in the Bottlenose Dolphin ( <i>Tursiops truncatus</i> ). <i>Reproduction in Domestic Animals</i> , 2014, 49, 761-768.	0.6	9
147	Effect of Cryopreservation on the Sperm DNA Fragmentation Dynamics of the Bottlenose Dolphin ( <i>Tursiops truncatus</i> ). <i>Reproduction in Domestic Animals</i> , 2015, 50, 227-235.	0.6	9
148	Differences in preservation of canine chilled semen using simple sperm washing, single-layer centrifugation and modified swim-up preparation techniques. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1545.	0.1	9
149	<i>Mycobacterium tuberculosis</i> promotes genomic instability in macrophages. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2018, 113, 161-166.	0.8	9
150	Effect of seasonality on hormonally induced sperm in <i>Epidalea calamita</i> (Amphibia, Anura, Bufonidae) and its refrigerated and cryopreserved storage. <i>Aquaculture</i> , 2020, 529, 735677.	1.7	9
151	<i>Arcyptera fusca</i> and <i>Arcyptera tornosi</i> repetitive DNA families: whole-comparative genomic hybridization (WCGH) as a novel approach to the study of satellite DNA libraries. <i>Journal of Evolutionary Biology</i> , 2008, 21, 352-361.	0.8	8
152	Simultaneous Labeling of Single- and Double-Strand DNA Breaks by DNA Breakage Detection-FISH (DBD-FISH). <i>Methods in Molecular Biology</i> , 2011, 682, 133-147.	0.4	8
153	The effect of two pre-cryopreservation single layer colloidal centrifugation protocols in combination with different freezing extenders on the fragmentation dynamics of thawed equine sperm DNA. <i>Acta Veterinaria Scandinavica</i> , 2012, 54, 72.	0.5	8
154	Rapid Determination of Colistin Resistance in Clinical Strains of <i>Acinetobacter baumannii</i> by Use of the Micromax Assay. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3675-3682.	1.8	8
155	Sperm fractions obtained following density gradient centrifugation in human ejaculates show differences in sperm DNA longevity. <i>Asian Pacific Journal of Reproduction</i> , 2014, 3, 116-120.	0.2	8
156	Localisation and quantification of alkali-labile sites in human spermatozoa by DNA breakage detection-fluorescence in situ hybridisation. <i>Andrologia</i> , 2015, 47, 221-227.	1.0	8
157	Expression of the HPV18/E6 oncoprotein induces DNA damage. <i>European Journal of Histochemistry</i> , 2017, 61, 2773.	0.6	8
158	Dynamic assessment of human sperm DNA damage II: the effect of sperm concentration adjustment during processing. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 799-807.	1.2	8
159	Specific Heterochromatic Banding of Metaphase Chromosomes Using Nuclear Yellow. <i>Biotechnic and Histochemistry</i> , 2000, 75, 132-140.	0.7	7
160	Spatio-temporal dynamics of a neutralized B chromosome in the grasshopper <i>Eyprepocnemis plorans</i> . <i>Cytogenetic and Genome Research</i> , 2004, 106, 376-385.	0.6	7
161	Rapid and Simple Determination of Ciprofloxacin Resistance in Clinical Strains of <i>Escherichia coli</i> . <i>Journal of Clinical Microbiology</i> , 2009, 47, 2593-2595.	1.8	7
162	Shared Y chromosome repetitive DNA sequences in stallion and donkey as visualized using whole-genomic comparative hybridization. <i>European Journal of Histochemistry</i> , 2010, 54, 2.	0.6	7

#	ARTICLE	IF	CITATIONS
163	DNA breakage detection-fluorescence in situ hybridization (DBD-FISH) in buccal cells. <i>European Journal of Histochemistry</i> , 2012, 56, 49.	0.6	7
164	¿A qué velocidad «muere» el ácido desoxirribonucleico del espermatozoide tras descongelar muestras seminales procedentes de donantes?. <i>Revista Internacional De Andrología</i> , 2013, 11, 85-93.	0.1	7
165	Characterization of DNA cleavage produced by seminal plasma using leukocytes as a cell target. <i>Systems Biology in Reproductive Medicine</i> , 2019, 65, 420-429.	1.0	7
166	DNA fragmentation of human spermatozoa: Simple assessment of single- and double-strand DNA breaks and their respective dynamic behavioral response. <i>Andrology</i> , 2020, 8, 1287-1303.	1.9	7
167	Short communication. Evaluation of a commercial kit based on acridine orange/propidium iodide to assess the plasma membrane integrity of ram sperm. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 362.	0.3	7
168	Oligonucleotide priming in situ to detect induced DNA breaks under electron microscopy. <i>Trends in Genetics</i> , 1993, 9, 156-157.	2.9	6
169	Differential expansion of highly repeated DNA sequences in the swine subgenomes. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2008, 46, 186-189.	0.6	6
170	A Highly Conserved Pericentromeric Domain in Human and Gorilla Chromosomes. <i>Cytogenetic and Genome Research</i> , 2009, 126, 253-258.	0.6	6
171	Sperm DNA in Grasshoppers: Structural Features and Fertility Implications. <i>Journal of Orthoptera Research</i> , 2010, 19, 243-252.	0.4	6
172	Response: Nitroblue tetrazolium (NBT) assay. <i>Reproductive BioMedicine Online</i> , 2018, 36, 92-93.	1.1	6
173	A Comprehensive Guide to Sperm Recovery in Infertile Men with Retrograde Ejaculation. <i>World Journal of Men's Health</i> , 2022, 40, 208.	1.7	6
174	FISHing in the microwave: the easy way to preserve proteins. I. Colocalization of DNA probes and surface antigens in human leukocytes. <i>Chromosome Research</i> , 2002, 10, 137-143.	1.0	5
175	Individual telomere length decay in patients with spondyloarthritis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 765, 1-5.	0.4	5
176	Equivalent seminal characteristics in human and stallion at first and second ejaculated fractions. <i>Andrologia</i> , 2017, 49, e12708.	1.0	5
177	Effect of cooling rate on sperm quality of cryopreserved Andalusian donkey spermatozoa. <i>Animal Reproduction Science</i> , 2018, 193, 201-208.	0.5	5
178	Amphibian Sperm Chromatin Structure and Function and Its Relevance to Sperm Preservation. <i>Journal of Herpetology</i> , 2018, 52, 486-491.	0.2	5
179	Effect of permeable cryoprotectant-free vitrification on DNA fragmentation of equine oocyte-cumulus cells. <i>Reproduction in Domestic Animals</i> , 2019, 54, 53-56.	0.6	5
180	Detection of DNA damage in pigeon erythrocytes using a chromatin dispersion assay. <i>Toxicology Mechanisms and Methods</i> , 2020, 30, 228-235.	1.3	5

#	ARTICLE	IF	CITATIONS
181	Assessment of avian sperm DNA fragmentation using the sperm chromatin dispersion assay. <i>Reproduction, Fertility and Development</i> , 2020, 32, 948.	0.1	5
182	Use of DBD-FISH for the Study of Cervical Cancer Progression. <i>Methods in Molecular Biology</i> , 2015, 1249, 291-301.	0.4	5
183	Sperm Chromatin Dispersion (SCD) Assay. , 2018, , 137-152.		5
184	DNA damage in women with cervical neoplasia evaluated by DNA breakage detection-fluorescence in situ hybridization. , 2011, 33, 175-81.		5
185	Rapid Assessment of Resistance to Antibiotic Inhibitors of Protein Synthesis in the Gram-Positive Pathogens, <i>Enterococcus faecalis</i> and <i>Streptococcus pneumoniae</i> , Based on Evaluation of the Lytic Response. <i>Microbial Drug Resistance</i> , 2017, 23, 267-271.	0.9	4
186	Sperm chromatin dispersion test (SCDt) for the assessment of sperm DNA fragmentation in black tiger prawn, <i>Penaeus monodon</i> . <i>Aquaculture</i> , 2018, 491, 281-288.	1.7	4
187	Co-incubation of spermatozoa with human follicular fluid reduces sperm DNA fragmentation by mitigating DNase activity in the seminal plasma. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 63-69.	1.2	4
188	Dynamic assessment of human sperm DNA damage III: the effect of sperm freezing techniques. <i>Cell and Tissue Banking</i> , 2020, 22, 379-387.	0.5	4
189	Antibiotic toxicity on human spermatozoa assessed using the sperm DNA fragmentation dynamic assay. <i>Andrologia</i> , 2022, 54, e14328.	1.0	4
190	Cumulus Cell DNA Damage as an Index of Human Oocyte Competence. <i>Reproductive Sciences</i> , 2022, 29, 3194-3200.	1.1	4
191	Dynamics of <i>Sau</i> 3A in situ digestion of human chromosomes analyzed with computerized imaging. <i>Genome</i> , 1997, 40, 123-126.	0.9	3
192	<i>Drosophila melanogaster</i> and <i>Eucypris virens</i> giant spermatozoa as visualized by cell inclusion in microgels. <i>Journal of Experimental Zoology</i> , 2007, 307A, 140-144.	1.2	3
193	Incipient postzygotic barrier in a model system of ecological speciation with gene flow. <i>Journal of Evolutionary Biology</i> , 2013, 26, 2750-2756.	0.8	3
194	Epigenetics and its Role in Male Infertility. , 2015, , 411-422.		3
195	Spermatozoa of <i>Sminthopsis murina</i> (Mammalia: Metatheria) exhibit an unusually high degree of chromatin stability in the absence of disulphide bonding in protamine 1. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1268.	0.1	3
196	Simple and Fast Detection of Resistance to Antibiotic Inhibitors of Protein Synthesis in Gram-Negative Pathogens Through Evaluation of Mitomycin C-Induced Cell Elongation. <i>Microbial Drug Resistance</i> , 2017, 23, 973-981.	0.9	3
197	New approach to assess sperm DNA fragmentation dynamics: Fine-tuning mathematical models. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 23.	2.1	3
198	Strategies to Diminish DNA Damage in Sperm Samples Used for ART. , 2018, , 571-587.		3

#	ARTICLE	IF	CITATIONS
199	Relationship between DNA fragmentation of equine granulosa cells and oocyte meiotic competence after in vitro maturation. <i>Reproduction in Domestic Animals</i> , 2019, 54, 78-81.	0.6	3
200	Evaluation of DNA Damage of Mare Granulosa Cells Before and After Cryopreservation Using a Chromatin Dispersion Test. <i>Journal of Equine Veterinary Science</i> , 2019, 72, 28-30.	0.4	3
201	Microencapsulation of human spermatozoa increases membrane stability and DNA longevity. <i>Andrologia</i> , 2021, 53, e13924.	1.0	3
202	Investigation of pathology associated with <i>Chlamydia pecorum</i> infection in the male reproductive tract, and the effect on spermatogenesis and semen quality in the koala ( <i>Phascolarctos cinereus</i> ). <i>Theriogenology</i> , 2022, 180, 30-39.	0.9	3
203	Unstable B-Chromosomes in <i>Gomphocerus Sibiricus</i> (Orthoptera). <i>Caryologia</i> , 1986, 39, 185-192.	0.2	2
204	Restriction endonucleases: Powerful tools to induce chromosome markers. <i>Biochemical Systematics and Ecology</i> , 1993, 21, 13-24.	0.6	2
205	Digital image analysis of chromatin fibre phenotype after "in situ" digestion with restriction endonucleases. <i>Cell Biology International</i> , 1995, 19, 827-832.	1.4	2
206	Improved Sensitivity for Cell Mapping of Hepatitis C Virus RNA Sequences and Cellular Surface Antigens in Blood Cells. <i>Laboratory Investigation</i> , 2003, 83, 1089-1091.	1.7	2
207	Cell wall active antibiotics reduce chromosomal DNA fragmentation by peptidoglycan hydrolysis in <i>Staphylococcus aureus</i> . <i>Archives of Microbiology</i> , 2012, 194, 967-975.	1.0	2
208	Use of the DBD-FISH technique for detecting DNA breakage in response to high doses of X-rays. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 713-718.	0.6	2
209	Role and Significance of Sperm Function in Men with Unexplained Infertility. , 2015, , 91-119.		2
210	Clinical utility of sperm DNA fragmentation testing: article overview. <i>Translational Andrology and Urology</i> , 2017, 6, S532-S534.	0.6	2
211	CAT-262CT Genotype shows higher catalase activity in seminal plasma and lower risk of male infertility. <i>Meta Gene</i> , 2018, 18, 16-22.	0.3	2
212	Effect of sperm dosage transportation in stallions: Effect on sperm DNA fragmentation. <i>Animal Reproduction Science</i> , 2019, 206, 38-45.	0.5	2
213	Free circulating DNA and DNase activity in the ejaculates of men with spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 167-174.	0.9	2
214	Quick assessment of DNA damage in cervical epithelial cells using a chromatin dispersion test. <i>Archives of Gynecology and Obstetrics</i> , 2021, 303, 1049-1056.	0.8	2
215	<i>in situ</i> digestion of human chromosome 3 pericentromeric heterochromatin. I. Differential digestion of $\pm$ -satellite and satellite 1 DNA sequences. <i>Genome</i> , 2001, 44, 120-127.	0.9	2
216	Short communication. Stallion sperm quality after combined ejaculate fractionation and colloidal centrifugation. <i>Spanish Journal of Agricultural Research</i> , 2015, 13, e04SC02.	0.3	2

#	ARTICLE	IF	CITATIONS
217	The Effect of a Deficiency on Chiasma Distribution and Frequency in a Male of <i>Stauroderus Scalaris</i> (Orthoptera). <i>Caryologia</i> , 1981, 34, 473-481.	0.2	1
218	Scaffold-like structures in mouse chromosomes revealed by restriction endonuclease digestion and electron microscopy. <i>Biology of the Cell</i> , 1990, 68, 101-104.	0.7	1
219	DIGITAL IMAGE ANALYSIS OF CHROMATIN FIBRE PHENOTYPE AFTER 'IN SITU' DIGESTION WITH RESTRICTION ENDONUCLEASES. <i>Cell Biology International</i> , 1996, 20, 213-217.	1.4	1
220	Mosaicism for Sister Chromatid Heterogeneity in Sex Chromosomes from Hybrids of two Subspecies of <i>Chorthippus Parallellus</i> (Orthoptera: Acrididae). <i>Hereditas</i> , 2004, 122, 289-292.	0.5	1
221	Effect of diluent composition on the dynamics of sperm DNA fragmentation and other sperm quality parameters in ram during incubation at 37°C. <i>Small Ruminant Research</i> , 2015, 129, 92-96.	0.6	1
222	DNA fragmentation in blue mussel ( <i>Mytilus edulis</i> ) sperm: aquaculture and fisheries implications. <i>Aquaculture Research</i> , 2017, 48, 2973-2980.	0.9	1
223	Rapid Determination of Resistance to Antibiotic Inhibitors of Protein Synthesis in <i>Staphylococcus aureus</i> Through In Situ Evaluation of DNase Activity. <i>Microbial Drug Resistance</i> , 2018, 24, 739-746.	0.9	1
224	Protamine composition of koala and wombat spermatozoa provides new insights into DNA stability following cryopreservation. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1558.	0.1	1
225	Determining the effects of sperm activation in anuran cloaca on motility and DNA integrity in <i>Epidalea calamita</i> (Bufonidae). <i>Reproduction, Fertility and Development</i> , 2021, , .	0.1	1
226	Rapid and Accurate Detection of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> Strains Susceptible/Resistant to Cotrimoxazole through Evaluation of Cell Elongation. <i>Antibiotics</i> , 2021, 10, 720.	1.5	1
227	DNase activity in human seminal plasma and follicular fluid and its inhibition by follicular fluid chelating agents. <i>Reproductive BioMedicine Online</i> , 2021, 43, 1079-1086.	1.1	1
228	Sperm Chromatin Dispersion Test: Technical Aspects and Clinical Applications. , 2013, , 257-281.		1
229	Rapid Detection of Bacterial Susceptibility or Resistance to Quinolones. <i>Methods in Molecular Biology</i> , 2017, 1644, 95-104.	0.4	1
230	Sperm DNA fragmentation and its relevance to men with spinal cord injury. , 2022, , 93-104.		1
231	Sperm dna damage in men with spinal cord injury: The relative incidence of single and double strand dna breaks. <i>Andrology</i> , 0, , .	1.9	1
232	DNA fragmentation of equine cumulus cells from Cumulus-Oocyte complexes submitted to vitrification and its relationship to the developmental competence of the oocyte. <i>Reproduction in Domestic Animals</i> , 0, , .	0.6	1
233	Sister chromatid differentiation after in situ detection of ultraviolet-induced DNA breaks under electron microscopy. <i>Biology of the Cell</i> , 1994, 82, 33-37.	0.7	0
234	Differential sensitivity of some human alphoid and classical satellite DNA regions from lymphocyte chromosomes to in situ exonuclease III digestion. <i>Genome</i> , 1996, 39, 1210-1213.	0.9	0

#	ARTICLE	IF	CITATIONS
235	A PCR product derived from female DNA with regional localization on the Y chromosome. Genome, 2000, 43, 580-583.	0.9	0
236	Seeing sperm DNA fragmentation in rabbits. Molecular Reproduction and Development, 2012, 79, 1-1.	1.0	0
237	Impacto del estrés oxidativo en la dinámica de fragmentación del ADN espermático. Medicina Reproductiva Y Embriología Clínica, 2016, 3, 137-143.	0.1	0
238	DNA Damage: Halo Sperm Test. , 2021, , 213-227.		0
239	Role of Protamine Disulphide Cross-Linking in Counteracting Oxidative Damage to DNA. , 2012, , 221-235.		0