Jordi Benet

List of Publications by Year in descending order

71 papers	2,883 citations	134610 34 h-index	198040 52 g-index
71 all docs	71 docs citations	71 times ranked	2023 citing authors

#	Article	IF	Citations
1	Microsurgical varicocelectomy effect on sperm telomere length, DNA fragmentation and seminal parameters. Human Fertility, 2022, 25, 135-141.	0.7	22
2	Sperm selection during ICSI treatments reduces single- but not double-strand DNA break values compared to the semen sample. Journal of Assisted Reproduction and Genetics, 2021, 38, 1187-1196.	1.2	22
3	Proteomic Analysis in Seminal Plasma of Fertile Donors and Infertile Patients with Sperm DNA Fragmentation. International Journal of Molecular Sciences, 2020, 21, 5046.	1.8	6
4	Sperm chromatin condensation and singleâ€•and doubleâ€stranded DNA damage as important parameters to define male factor related recurrent miscarriage. Molecular Reproduction and Development, 2020, 87, 1126-1132.	1.0	8
5	Relationship of Seminal Oxidation-Reduction Potential with Sperm DNA Integrity and pH in Idiopathic Infertile Patients. Biology, 2020, 9, 262.	1.3	11
6	Single and Double Strand Sperm DNA Damage: Different Reproductive Effects on Male Fertility. Genes, 2019, 10, 105.	1.0	83
7	Double-stranded sperm DNA damageÂis a cause of delay in embryoÂdevelopment and can impairÂimplantation rates. Fertility and Sterility, 2019, 111, 699-707.e1.	0.5	91
8	Novel Double Factor PGT strategy analyzing blastocyst stage embryos in a single NGS procedure. PLoS ONE, 2018, 13, e0205692.	1.1	10
9	Characterization of Nuclease Activity in Human Seminal Plasma and its Relationship to Semen Parameters, Sperm DNA Fragmentation and Male Infertility. Journal of Urology, 2016, 195, 213-219.	0.2	19
10	Double-factor preimplantation genetic diagnosis: monogenic and cytogenetic diagnoses analyzing a single blastomere. Prenatal Diagnosis, 2015, 35, 1301-1307.	1.1	3
11	Oral antioxidant treatment partly improves integrity of human sperm DNA in infertile grade I varicocele patients. Human Fertility, 2015, 18, 225-229.	0.7	96
12	Nuclear degraded sperm subpopulation is affected by poor chromatin compaction and nuclease activity. Andrologia, 2015, 47, 286-294.	1.0	14
13	Comprehensive preimplantation genetic screening and sperm deoxyribonucleic acid fragmentation from three males carrying balanced chromosome rearrangements. Fertility and Sterility, 2015, 104, 681-687.e2.	0.5	4
14	A model for the control of DNA integrity by the sperm nuclear matrix. Asian Journal of Andrology, 2015, 17, 610.	0.8	16
15	Multiple Determinations of Sperm DNA Fragmentation Show That Varicocelectomy Is Not Indicated for Infertile Patients with Subclinical Varicocele. BioMed Research International, 2014, 2014, 1-6.	0.9	29
16	Human semen cryopreservation: a sperm DNA fragmentation study with alkaline and neutral Comet assay. Andrology, 2014, 2, 83-87.	1.9	45
17	Double-stranded DNA breaks hidden in the neutral Comet assay suggest a role of the sperm nuclear matrix in DNA integrity maintenance. Molecular Human Reproduction, 2014, 20, 330-340.	1.3	46
18	Non-meiotic chromosome instability in human immature oocytes. European Journal of Human Genetics, 2014, 22, 202-207.	1.4	8

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19	Does the S phase have an impact on the accuracy of comparative genomic hybridization profiles in single fibroblasts and human blastomeres?. Fertility and Sterility, 2014, 101, 488-495.e3.	0.5	12
20	Oligonucleotide Arrays vs. Metaphase-Comparative Genomic Hybridisation and BAC Arrays for Single-Cell Analysis: First Applications to Preimplantation Genetic Diagnosis for Robertsonian Translocation Carriers. PLoS ONE, 2014, 9, e113223.	1.1	6
21	Comprehensive analysis of sperm DNA fragmentation by five different assays: TUNEL assay, SCSA, SCD test and alkaline and neutral Comet assay. Andrology, 2013, 1, 715-722.	1.9	185
22	First successful doubleâ€factor <scp>PGD</scp> for Lynch syndrome: monogenic analysis and comprehensive aneuploidy screening. Clinical Genetics, 2013, 84, 70-73.	1.0	12
23	Effects of oral antioxidant treatment upon the dynamics of human sperm DNA fragmentation and subpopulations of sperm with highly degraded DNA. Andrologia, 2013, 45, 211-216.	1.0	115
24	Differential Clustering of Sperm Subpopulations in Infertile Males With Clinical Varicocele and Carriers of Rearranged Genomes. Journal of Andrology, 2012, 33, 361-367.	2.0	20
25	Alkaline and neutral Comet assay profiles of sperm DNA damage in clinical groups. Human Reproduction, 2012, 27, 652-658.	0.4	90
26	Double Stranded Sperm DNA Breaks, Measured by Comet Assay, Are Associated with Unexplained Recurrent Miscarriage in Couples without a Female Factor. PLoS ONE, 2012, 7, e44679.	1.1	105
27	Whole-Chromosome Aneuploidy Analysis in Human Oocytes: Focus on Comparative Genomic Hybridization. Cytogenetic and Genome Research, 2011, 133, 119-126.	0.6	14
28	Protamine 1 to protamine 2 ratio correlates with dynamic aspects of DNA fragmentation in human sperm. Fertility and Sterility, 2011, 95, 105-109.	0.5	91
29	Comprehensive embryo analysis of advanced maternal ageâ€"related aneuploidies and mosaicism by short comparative genomic hybridization. Fertility and Sterility, 2011, 95, 413-416.	0.5	45
30	Detection of unbalanced chromosome segregations in preimplantation genetic diagnosis of translocations by short comparative genomic hibridization. Fertility and Sterility, 2011, 96, 134-142.	0.5	37
31	Dynamics of sperm DNA fragmentation in patients carrying structurally rearranged chromosomes. Journal of Developmental and Physical Disabilities, 2011, 34, e546-e553.	3.6	31
32	Sperm DNA Integrity and Meiotic Behavior Assessment in an Infertile Male Carrier of a 9qh+++ Polymorphism. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	9
33	Reliability of short comparative genomic hybridization in fibroblasts and blastomeres for a comprehensive aneuploidy screening: first clinical application. Human Reproduction, 2010, 25, 1824-1835.	0.4	30
34	Errors at mitotic segregation early in oogenesis and at first meiotic division in oocytes from donor females: Comparative genomic hybridization analyses in metaphase II oocytes and their first polar body. Fertility and Sterility, 2010, 93, 675-679.	0.5	27
35	DNA fragmentation and meiotic segregation in sperm of carriers of a chromosomal structural abnormality. Fertility and Sterility, 2009, 92, 583-589.	0.5	56
36	Outcome of twin babies free of Von Hippelâ€"Lindau disease after a double-factor preimplantation genetic diagnosis: monogenetic mutation analysis and comprehensive aneuploidy screening. Fertility and Sterility, 2009, 91, 933.e1-933.e7.	0.5	28

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37	Birth of a healthy boy after a double factor PGD in a couple carrying a genetic disease and at risk for aneuploidy: Case Report. Human Reproduction, 2008, 23, 1949-1956.	0.4	46
38	Studying meiosis: a review of FISH and M-FISH techniques used in the analysis of meiotic processes in humans. Cytogenetic and Genome Research, 2006, 114, 312-318.	0.6	9
39	Behaviour of human heterochromatic regions during the synapsis of homologous chromosomes. Human Reproduction, 2006, 21, 1490-1497.	0.4	59
40	A human tetraploid pachytene spermatocyte as the possible origin of diploid sperm: a case report. Human Reproduction, 2006, 21, 1795-1797.	0.4	8
41	Crossover frequency and synaptonemal complex length: their variability and effects on human male meiosis. Molecular Human Reproduction, 2006, 12, 123-133.	1.3	55
42	The importance of aneuploidy screening in reciprocal translocation carriers. Reproduction, 2006, 131, 1025-1035.	1.1	46
43	Meiotic abnormalities in infertile males. Cytogenetic and Genome Research, 2005, 111, 337-342.	0.6	56
44	Multiple mutation analysis of the cystic fibrosis gene in single cells. Molecular Human Reproduction, 2005, 11, 463-468.	1.3	8
45	Synapsis and meiotic recombination analyses: MLH1 focus in the XY pair as an indicator. Human Reproduction, 2005, 20, 2133-2139.	0.4	47
46	Meiotic studies in two human reciprocal translocations and their association with spermatogenic failure. Human Reproduction, 2005, 20, 683-688.	0.4	74
47	Aneuploidy 12 in a Robertsonian (13;14) carrier: Case report. Human Reproduction, 2005, 20, 1256-1260.	0.4	15
48	Karyotyping of human oocytes by cenM-FISH, a new 24-colour centromere-specific technique. Human Reproduction, 2005, 20, 3395-3401.	0.4	25
49	Frequency and distribution of chromosome abnormalities in human spermatozoa. Cytogenetic and Genome Research, 2005, 111, 199-205.	0.6	85
50	Segregation of chromosomes in sperm of reciprocal translocation carriers: a review. Cytogenetic and Genome Research, 2005, 111, 281-290.	0.6	106
51	The use of a cell-cycle phase-marker may decrease the percentage of errors when using FISH in PGD. Cytogenetic and Genome Research, 2004, 105, 29-35.	0.6	6
52	Reliability of comparative genomic hybridization to detect chromosome abnormalities in first polar bodies and metaphase II oocytes. Human Reproduction, 2004, 19, 2118-2125.	0.4	74
53	From spermatocytes to sperm: meiotic behaviour of human male reciprocal translocations. Human Reproduction, 2004, 19, 2515-2522.	0.4	39
54	Aneuploidy study of human oocytes first polar body comparative genomic hybridization and metaphase II fluorescence in situ hybridization analysis. Human Reproduction, 2004, 19, 2859-2868.	0.4	93

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55	Human Male Recombination Maps for Individual Chromosomes. American Journal of Human Genetics, 2004, 74, 521-531.	2.6	126
56	Analysis of nine chromosome probes in first polar bodies and metaphase II oocytes for the detection of aneuploidies. European Journal of Human Genetics, 2003, 11, 325-336.	1.4	70
57	Karyotyping of human synaptonemal complexes by cenM-FISH. European Journal of Human Genetics, 2003, 11, 879-883.	1.4	34
58	Preimplantation genetic screening and human implantation. Journal of Reproductive Immunology, 2002, 55, 65-72.	0.8	9
59	Meiotic segregation analysis in a t(4;8) carrier: comparison of FISH methods on sperm chromosome metaphases and interphase sperm nuclei. European Journal of Human Genetics, 2001, 9, 395-403.	1.4	42
60	PGD in female carriers of balanced Robertsonian and reciprocal translocations by first polar body analysis. Human Reproduction Update, 2001, 7, 591-602.	5.2	44
61	Correlation between centromere and chromosome length in human male pronuclear chromosomes: ultrastructural analysis. Zygote, 2000, 8, 79-85.	0.5	3
62	Chromosome studies in first polar bodies from hamster and human oocytes. Human Reproduction, 1998, 13, 583-587.	0.4	21
63	Hamster origin of metaphases with multiple chromosome rearrangements in first cleavage human-hamster embryos. Human Reproduction, 1997, 12, 2176-2182.	0.4	4
64	Cytogenetic studies in motile sperm from normal men. Human Genetics, 1992, 89, 176-80.	1.8	39
65	Human sperm chromosomes. Cancer Genetics and Cytogenetics, 1990, 46, 251-260.	1.0	52
66	Human sperm chromosome studies in a reciprocal translocation t(2;5). Human Genetics, 1988, 79, 24-28.	1.8	35
67	Sperm chromosome complements in a 47,XYY man. Human Genetics, 1988, 78, 313-315.	1.8	43
68	Expression of a possible constitutional â€œhot spotâ€•in sperm chromosomes of a patient treated for Wilms' tumor. Cancer Genetics and Cytogenetics, 1987, 29, 91-96.	1.0	6
69	G-banding of human sperm chromosomes. Human Genetics, 1986, 73, 181-182.	1.8	42
70	A new synaptic anomaly: irregular synaptonemal complexes. Human Genetics, 1986, 72, 272-274.	1.8	3
71	Seminal Microbiota of Idiopathic Infertile Patients and Its Relationship With Sperm DNA Integrity. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	13