Joan Blanco

List of Publications by Year in descending order

66 papers	2,224 citations	172386 29 h-index	233338 45 g-index
66 all docs	66 docs citations	66 times ranked	1497 citing authors

#	Article	IF	Citations
1	Chromosome studies in human sperm nuclei using fluorescence in-situ hybridization (FISH). Human Reproduction Update, 1997, 3, 441-452.	5.2	148
2	Screening for abnormalities of chromosomes X, Y, and 18 and for diploidy in spermatozoa from infertile men participating in an in vitro fertilization-intracytoplasmic sperm injection program. Fertility and Sterility, 1999, 72, 696-701.	0.5	111
3	Spermatozoa from patients with seminal alterations exhibit a differential micro-ribonucleic acid profile. Fertility and Sterility, 2015, 104, 591-601.	0.5	106
4	Sperm FISH studies in seven male carriers of Robertsonian translocation t(13;14)(q10;q10). Human Reproduction, 2004, 19, 1345-1351.	0.4	86
5	Chromosome 21 Disomy in the Spermatozoa of the Fathers of Children with Trisomy 21, in a Population with a High Prevalence of Down Syndrome: Increased Incidence in Cases of Paternal Origin. American Journal of Human Genetics, 1998, 63, 1067-1072.	2.6	84
6	Implications of sperm chromosome abnormalities in recurrent miscarriage. Journal of Assisted Reproduction and Genetics, 1999, 16, 253-258.	1.2	83
7	Sperm studies in heterozygote inversion carriers: a review. Cytogenetic and Genome Research, 2005, 111, 297-304.	0.6	82
8	New insights into the expression profile and function of micro-ribonucleic acid in human spermatozoa. Fertility and Sterility, 2014, 102, 213-222.e4.	0.5	79
9	Analysis of chromosome abnormalities in sperm and embryos from two 45,XY,t(13;14)(q10;q10) carriers. Prenatal Diagnosis, 2000, 20, 599-602.	1.1	78
10	Diploid sperm and the origin of triploidy. Human Reproduction, 2002, 17, 5-7.	0.4	72
11	Increased incidence of disomic sperm nuclei in a 47,XYY male assessed by fluorescent in situ hybridization (FISH). Human Genetics, 1997, 99, 413.	1.8	69
12	Interchromosomal effects for chromosomeÂ21 in carriers of structural chromosome reorganizations determined by fluorescence in situ hybridization on sperm nuclei. Human Genetics, 2000, 106, 500-505.	1.8	61
13	Meiotic abnormalities in infertile males. Cytogenetic and Genome Research, 2005, 111, 337-342.	0.6	56
14	Role of sperm fluorescent in situ hybridization studies in infertile patients: indications, study approach, and clinical relevance. Fertility and Sterility, 2010, 93, 1892-1902.	0.5	54
15	Effect of nut consumption on semen quality and functionality in healthy men consuming a Western-style diet: a randomized controlled trial. American Journal of Clinical Nutrition, 2018, 108, 953-962.	2.2	54
16	Genetic Analysis of Sperm and Implications of Severe Male Infertilityâ€”A Review. Placenta, 2003, 24, S62-S65.	0.7	53
17	Role of sperm FISH studies in the genetic reproductive advice of structural reorganization carriers. Human Reproduction, 2007, 22, 2088-2092.	0.4	52
18	Reciprocal translocations: tracing their meiotic behavior. Genetics in Medicine, 2008, 10, 730-738.	1.1	49

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19	Spermatozoa from normozoospermic fertile and infertile individuals convey a distinct mi<scp>RNA</scp> cargo. Andrology, 2016, 4, 1028-1036.	1.9	48
20	Interchromosomal effect analyses by sperm FISH: incidence and distribution among reorganization carriers. Systems Biology in Reproductive Medicine, 2011, 57, 268-278.	1.0	43
21	Numerical chromosome abnormalities in the spermatozoa of the fathers of children with trisomy 21 of paternal origin: generalised tendency to meiotic non-disjunction. Human Genetics, 2001, 108, 134-139.	1.8	40
22	Spermatozoa from infertile patients exhibit differences of DNA methylation associated with spermatogenesis-related processes: an array-based analysis. Reproductive BioMedicine Online, 2016, 33, 709-719.	1.1	40
23	FISH studies of chromosome abnormalities in germ cells and its relevance in reproductive counseling. Asian Journal of Andrology, 2005, 7, 227-236.	0.8	38
24	Chromosome segregation in a man heterozygous for a pericentric inversion, inv(9)(p11q13), analyzed by using sperm karyotyping and two-color fluorescence in situ hybridization on sperm nuclei. Human Genetics, 1997, 99, 761-765.	1.8	37
25	Genetic reproductive risk in inversion carriers. Fertility and Sterility, 2006, 85, 661-666.	0.5	37
26	Semen samples showing an increased rate of spermatozoa with imprinting errors have a negligible effect in the outcome of assisted reproduction techniques. Epigenetics, 2012, 7, 1115-1124.	1.3	37
27	Risk assessment and segregation analysis in a pericentric inversion inv(6)(p23q25) carrier using FISH on decondensed sperm nuclei. Cytogenetic and Genome Research, 2002, 97, 149-154.	0.6	36
28	Prognostic value of sperm fluorescence in situ hybridization analysis over PGD. Human Reproduction, 2009, 24, 1516-1521.	0.4	31
29	Accumulation of numerical and structural chromosome imbalances in spermatozoa from reciprocal translocation carriers. Human Reproduction, 2013, 28, 840-849.	0.4	31
30	Hidden mosaicism in patients with Klinefelter's syndrome: implications for genetic reproductive counselling. Human Reproduction, 2011, 26, 3486-3493.	0.4	30
31	Chromosomal abnormalities in sperm. Molecular and Cellular Endocrinology, 2001, 183, S51-S54.	1.6	29
32	Meiotic behavior of three D;G Robertsonian translocations: segregation and interchromosomal effect. Journal of Human Genetics, 2010, 55, 541-545.	1.1	28
33	Sperm microRNA pairs: new perspectives in the search for male fertility biomarkers. Fertility and Sterility, 2019, 112, 831-841.	0.5	27
34	Altered segregation pattern and numerical chromosome abnormalities interrelate in spermatozoa from Robertsonian translocation carriers. Reproductive BioMedicine Online, 2015, 31, 79-88.	1.1	23
35	Meiotic behavior of the sex chromosomes in a 45,X/46,X,r(Y)/46,x,dic r(Y) patient whose semen was assessed by fluorescence in situ hybridization. Fertility and Sterility, 2003, 79, 913-918.	0.5	22
36	Normalization matters: tracking the best strategy for sperm miRNA quantification. Molecular Human Reproduction, 2017, 23, 45-53.	1.3	19

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37	Preferential alternate segregation in the common t(11;22)(q23;q11) reciprocal translocation: sperm FISH analysis in two brothers. Reproductive BioMedicine Online, 2004, 9, 637-644.	1.1	17
38	Sperm rates of 7q11.23, 15q11q13 and 22q11.2 deletions and duplications: a FISH approach. Human Genetics, 2011, 129, 35-44.	1.8	17
39	Identification of meiotic anomalies with multiplex fluorescence in situ hybridization: Preliminary results. Fertility and Sterility, 2004, 82, 712-717.	0.5	16
40	What the human sperm methylome tells us. Epigenomics, 2017, 9, 1299-1315.	1.0	16
41	FISH on sperm: spot-counting to stop counting? Not yet. Fertility and Sterility, 2009, 92, 1474-1480.	0.5	15
42	Lack of association of MTHFR rs1801133 polymorphism and CTCFL mutations with sperm methylation errors in infertile patients. Journal of Assisted Reproduction and Genetics, 2013, 30, 1125-1131.	1.2	15
43	Epigenetic Transgenerational Inheritance. Advances in Experimental Medicine and Biology, 2019, 1166, 57-74.	0.8	15
44	Meiotic abnormalities in metaphase I human spermatocytes from infertile males: frequencies, chromosomes involved, and the relationships with polymorphic karyotype and seminal parameters. Asian Journal of Andrology, 2014, 16, 838.	0.8	13
45	An exploratory study of predisposing genetic factors for DiGeorge/velocardiofacial syndrome. Scientific Reports, 2017, 7, 40031.	1.6	12
46	Chromosome positioning and male infertility: it comes with the territory. Journal of Assisted Reproduction and Genetics, 2018, 35, 1929-1938.	1.2	12
47	Deletions and duplications of the 15q11-q13 region in spermatozoa from Prader-Willi syndrome fathers. Molecular Human Reproduction, 2010, 16, 320-328.	1.3	11
48	High-resolution fish on DNA fibers for low-copy repeats genome architecture studies. Genomics, 2012, 100, 380-386.	1.3	11
49	Sequential FISH allows the determination of the segregation outcome and the presence of numerical anomalies in spermatozoa from a t(1;8;2)(q42;p21;p15) carrier. Journal of Assisted Reproduction and Genetics, 2013, 30, 1115-1123.	1.2	10
50	Chromosome size, morphology, and gene density determine bivalent positioning in metaphase I human spermatocytes. Fertility and Sterility, 2014, 101, 818-824.e3.	0.5	10
51	Acrocentric bivalents positioned preferentially nearby to the XY pair in metaphase I human spermatocytes. Fertility and Sterility, 2012, 98, 1241-1245.	0.5	9
52	Deletions and duplications of the 22q11.2 region in spermatozoa from DiGeorge/velocardiofacial fathers. Molecular Cytogenetics, 2014, 7, 86.	0.4	8
53	High rates of de novo 15q11q13 inversions in human spermatozoa. Molecular Cytogenetics, 2012, 5, 11.	0.4	7
54	Altered bivalent positioning in metaphase I human spermatocytes from Robertsonian translocation carriers. Journal of Assisted Reproduction and Genetics, 2017, 34, 131-138.	1.2	7

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55	Meiosis and Klinefelter's syndrome. Human Reproduction, 2002, 17, 3006-3006.	0.4	6
56	Apoptosis mediated by phosphatidylserine externalization in the elimination of aneuploid germ cells during human spermatogenesis. Andrology, 2014, 2, 892-898.	1.9	6
57	The use of fluorescence in situ hybridization analysis on sperm: indications to perform and assisted reproduction technology outcomes. Journal of Assisted Reproduction and Genetics, 2019, 36, 1975-1987.	1.2	5
58	A sequential methodology that allows apoptotic cell sorting and FISH analysis in human testicular cells. Systems Biology in Reproductive Medicine, 2012, 58, 354-361.	1.0	4
59	Recombination in heterozygote inversion carriers. Human Reproduction, 2007, 22, 1192-1192.	0.4	3
60	Chromosome heteromorphisms: do they entail a reproductive risk for male carriers?. Asian Journal of Andrology, 2020, 22, 544.	0.8	3
61	AnÃ¡lisis de la expresiÃ³n de 4 micro-ARN en espermatozoides y su implicaciÃ³n en la fertilidad masculina. Revista Internacional De AndrologÃa, 2012, 10, 92-97.	0.1	1
62	Chromosomal positioning in spermatogenic cells is influenced by chromosomal factors associated with gene activity, bouquet formation and meiotic sex chromosome inactivation. Chromosoma, 2021, 130, 163-175.	1.0	1
63	Unpaired sex chromosomes in metaphase I human spermatocytes locally modify autosomal bivalents positioning. Asian Journal of Andrology, 2018, 20, 626.	0.8	1
64	RNA espermÃ¡tico: Â¿huella de eventos pasados o dote para el embriÃ³n?. Medicina Reproductiva Y EmbriologÃa ClÃnica, 2017, 4, 59-71.	0.1	0
65	Re: Is number of chiasmata an etiological factor of male infertility?. Asian Journal of Andrology, 2014, 16, 921.	0.8	0
66	A comprehensive analysis of chromosomal anomalies in metaphase II spermatocytes from infertile patients. Asian Journal of Andrology, 2018, 20, 105.	0.8	0