Terry J Hassold

List of Publications by Year
in descending order

58 papers	9,276 citations	117625 34 h-index	168389 53 g-index
61 all docs	61 docs citations	61 times ranked	7185 citing authors

#	Article	IF	Citations
1	To err (meiotically) is human: the genesis of human aneuploidy. Nature Reviews Genetics, 2001, 2, 280-291.	16.3	2,118
2	Human aneuploidy: mechanisms and new insights into an age-old problem. Nature Reviews Genetics, 2012, 13, 493-504.	16.3	799
3	Bisphenol A Exposure Causes Meiotic Aneuploidy in the Female Mouse. Current Biology, 2003, 13, 546-553.	3.9	575
4	Stra8 and its inducer, retinoic acid, regulate meiotic initiation in both spermatogenesis and oogenesis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14976-14980.	7.1	527
5	The origin of human aneuploidy: where we have been, where we are going. Human Molecular Genetics, 2007, 16, R203-R208.	2.9	505
6	Susceptible chiasmate configurations of chromosome 21 predispose to nonâ€“disjunction in both maternal meiosis I and meiosis II. Nature Genetics, 1996, 14, 400-405.	21.4	362
7	Bisphenol A Exposure In Utero Disrupts Early Oogenesis in the Mouse. PLoS Genetics, 2007, 3, e5.	3.5	342
8	Population-based study of congenital heart defects in Down syndrome. American Journal of Medical Genetics Part A, 1998, 80, 213-217.	2.4	333
9	Human female meiosis: what makes a good egg go bad?. Trends in Genetics, 2008, 24, 86-93.	6.7	327
10	SMC1Î²-deficient female mice provide evidence that cohesins are a missing link in age-related nondisjunction. Nature Genetics, 2005, 37, 1351-1355.	21.4	280
11	Covariation of Synaptonemal Complex Length and Mammalian Meiotic Exchange Rates. Science, 2002, 296, 2222-2225.	12.6	265
12	Maternal age and chromosomally abnormal pregnancies: what we know and what we wish we knew. Current Opinion in Pediatrics, 2009, 21, 703-708.	2.0	187
13	The Mre11 Complex Influences DNA Repair, Synapsis, and Crossing Over in Murine Meiosis. Current Biology, 2007, 17, 373-378.	3.9	179
14	Non-disjunction of chromosome 21 in maternal meiosis I: evidence for a maternal age-dependent mechanism involving reduced recombination. Human Molecular Genetics, 1994, 3, 1529-1535.	2.9	165
15	VARIATION IN HUMAN MEIOTIC RECOMBINATION. Annual Review of Genomics and Human Genetics, 2004, 5, 317-349.	6.2	149
16	Down syndrome: genetic recombination and the origin of the extra chromosome 21. Clinical Genetics, 2000, 57, 95-100.	2.0	125
17	Inefficient Crossover Maturation Underlies Elevated Aneuploidy in Human Female Meiosis. Cell, 2017, 168, 977-989.e17.	28.9	123
18	Nondisjunction of human acrocentric chromosomes: studies of 432 trisomic fetuses and liveborns. Human Genetics, 1994, 94, 411-7.	3.8	104

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19	Meiotic Recombination in Human Oocytes. PLoS Genetics, 2009, 5, e1000661.	3.5	100
20	Cytological Studies of Human Meiosis: Sex-Specific Differences in Recombination Originate at, or Prior to, Establishment of Double-Strand Breaks. PLoS ONE, 2013, 8, e85075.	2.5	100
21	Etiology of nondisjunction in humans. Environmental and Molecular Mutagenesis, 1995, 25, 38-47.	2.2	96
22	Meiosis and sex chromosome aneuploidy: how meiotic errors cause aneuploidy; how aneuploidy causes meiotic errors. Current Opinion in Genetics and Development, 2006, 16, 323-329.	3.3	96
23	Paternal nondisjunction in trisomy 21: excess of male patients. Human Molecular Genetics, 1993, 2, 1691-1695.	2.9	75
24	Estrogenic Exposure Alters the Spermatogonial Stem Cells in the Developing Testis, Permanently Reducing Crossover Levels in the Adult. PLoS Genetics, 2015, 11, e1004949.	3.5	68
25	Temporal changes in chromosome abnormalities in human spontaneous abortions: Results of 40 years of analysis. American Journal of Medical Genetics, Part A, 2016, 170, 2671-2680.	1.2	59
26	Somatic segregation errors predominantly contribute to the gain or loss of a paternal chromosome leading to uniparental disomy for chromosome 15. Clinical Genetics, 2000, 57, 349-358.	2.0	58
27	Cytogenetic analysis of spontaneous abortions: Comparison of techniques and assessment of the incidence of confined placental mosaicism. American Journal of Medical Genetics Part A, 1997, 72, 297-301.	2.4	51
28	A reinvestigation of non-disjunction resulting in 47, XXY males of paternal origin. European Journal of Human Genetics, 2000, 8, 805-808.	2.8	51
29	Systematic search for uniparental disomy in early fetal losses: The results and a review of the literature. American Journal of Medical Genetics Part A, 1998, 79, 366-372.	2.4	49
30	Female Meiosis: Coming Unglued with Age. Current Biology, 2010, 20, R699-R702.	3.9	49
31	Variation in Genome-Wide Levels of Meiotic Recombination Is Established at the Onset of Prophase in Mammalian Males. PLoS Genetics, 2014, 10, e1004125.	3.5	48
32	Synaptic defects at meiosis I and non-obstructive azoospermia. Human Reproduction, 2006, 21, 3171-3177.	0.9	46
33	Altered Cohesin Gene Dosage Affects Mammalian Meiotic Chromosome Structure and Behavior. PLoS Genetics, 2013, 9, e1003241.	3.5	42
34	Early complete hydatidiform moles contain inner cell mass derivatives. , 1997, 70, 273-277.		36
35	The origin of trisomy 13. American Journal of Medical Genetics, Part A, 2007, 143A, 2242-2248.	1.2	30
36	The origin of trisomy 22: Evidence for acrocentric chromosomeâ€specific patterns of nondisjunction. American Journal of Medical Genetics, Part A, 2007, 143A, 2249-2255.	1.2	28

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37	Correlations between Synaptic Initiation and Meiotic Recombination: A Study of Humans and Mice. American Journal of Human Genetics, 2016, 98, 102-115.	6.2	28
38	Failure to recombine is a common feature of human oogenesis. American Journal of Human Genetics, 2021, 108, 16-24.	6.2	27
39	Proteins Involved in Meiotic Recombination: A Role in Male Infertility?. Systems Biology in Reproductive Medicine, 2008, 54, 57-74.	2.1	26
40	A candidate gene analysis and GWAS for genes associated with maternal nondisjunction of chromosome 21. PLoS Genetics, 2019, 15, e1008414.	3.5	25
41	Multiple loci contribute to genome-wide recombination levels in male mice. Mammalian Genome, 2010, 21, 550-555.	2.2	24
42	An algorithm for determining the origin of trisomy and the positions of chiasmata from SNP genotype data. Chromosome Research, 2011, 19, 155-163.	2.2	23
43	Germline and reproductive tract effects intensify in male mice with successive generations of estrogenic exposure. PLoS Genetics, 2017, 13, e1006885.	3.5	23
44	Examining Variation in Recombination Levels in the Human Female: A Test of the Production-Line Hypothesis. American Journal of Human Genetics, 2014, 95, 108-112.	6.2	22
45	Chromosomal abnormalities in embryos from couples with a previous aneuploid miscarriage. Fertility and Sterility, 2012, 98, 145-150.	1.0	21
46	FISH studies of the sperm of fathers of paternally derived cases of trisomy 21: no evidence for an increase in aneuploidy. Human Genetics, 1998, 103, 654-657.	3.8	17
47	Mismatch repair goes meiotic. Nature Genetics, 1996, 13, 261-262.	21.4	15
48	Germline mosaicism does not explain the maternal age effect on trisomy. American Journal of Medical Genetics, Part A, 2013, 161, 2495-2503.	1.2	13
49	Predicting Meiotic Pathways in Human Fetal Oogenesis1. Biology of Reproduction, 2010, 82, 543-551.	2.7	11
50	Rescuing distal crossovers. Nature Genetics, 2007, 39, 1187-1188.	21.4	8
51	Missed connections: recombination and human aneuploidy. Prenatal Diagnosis, 2021, 41, 584-590.	2.3	7
52	Human aneuploidy: Incidence, origin, and etiology. Environmental and Molecular Mutagenesis, 1996, 28, 167-175.	2.2	5
53	The Origin and Etiology of Trisomy 21. , 2003, , 295-301.		2
54	Systematic search for uniparental disomy in early fetal losses: The results and a review of the literature. American Journal of Medical Genetics Part A, 1998, 79, 366-372.	2.4	2

#	Article	IF	Citations
55	Human aneuploidy: Incidence, origin, and etiology. , 1996, 28, 167.		1
56	To err (meiotically) is human: the genesis of human aneuploidy. , 0, .		1
57	Newton E. Morton (1929â€“2018). American Journal of Human Genetics, 2018, 102, 1011-1017.	6.2	0
58	Cytogenetic Studies of Meiotic Recombination in Human Females.. Biology of Reproduction, 2008, 78, 192-192.	2.7	0