Eva Hoffmann

List of Publications by Year
in descending order

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58 papers	2,838 citations	201385 27 h-index	197535 49 g-index
71 all docs	71 docs citations	71 times ranked	3789 citing authors

#	Article	IF	Citations
1	Fertility preservation in boys facing gonadotoxic cancer therapy. Nature Reviews Urology, 2022, 19, 71-83.	1.9	12
2	Characterization and Survival of Human Infant Testicular Cells After Direct Xenotransplantation. Frontiers in Endocrinology, 2022, 13, 853482.	1.5	5
3	Identification of a unique epigenetic profile in women with diminished ovarian reserve. Fertility and Sterility, 2021, 115, 732-741.	0.5	21
4	Preconception genome medicine: current state and future perspectives to improve infertility diagnosis and reproductive and health outcomes based on individual genomic data. Human Reproduction Update, 2021, 27, 254-279.	5.2	43
5	Failure to recombine is a common feature of human oogenesis. American Journal of Human Genetics, 2021, 108, 16-24.	2.6	27
6	Origins and mechanisms leading to aneuploidy in human eggs. Prenatal Diagnosis, 2021, 41, 620-630.	1.1	33
7	Chromosomal mosaicism: Origins and clinical implications in preimplantation and prenatal diagnosis. Prenatal Diagnosis, 2021, 41, 631-641.	1.1	27
8	Genome diversity and instability in human germ cells and preimplantation embryos. Seminars in Cell and Developmental Biology, 2021, 113, 132-147.	2.3	14
9	Genetic insights into biological mechanisms governing human ovarian ageing. Nature, 2021, 596, 393-397.	13.7	183
10	First come, first served: Mammalian recombination is timed to replication. Cell, 2021, 184, 4112-4114.	13.5	3
11	Mosaic human preimplantation embryos and their developmental potential in a prospective, non-selection clinical trial. American Journal of Human Genetics, 2021, 108, 2238-2247.	2.6	112
12	Cas9 in Human Embryos: On Target but No Repair. Cell, 2020, 183, 1464-1466.	13.5	5
13	Regulation of the MLH1â€“MLH3 endonuclease in meiosis. Nature, 2020, 586, 618-622.	13.7	88
14	KDM4A regulates the maternal-to-zygotic transition by protecting broad H3K4me3 domains from H3K9me3 invasion in oocytes. Nature Cell Biology, 2020, 22, 380-388.	4.6	77
15	Review of injection techniques for spermatogonial stem cell transplantation. Human Reproduction Update, 2020, 26, 368-391.	5.2	34
16	Improving the maturation rate of human oocytes collected ex vivo during the cryopreservation of ovarian tissue. Journal of Assisted Reproduction and Genetics, 2020, 37, 891-904.	1.2	40
17	Incidence, Origin, and Predictive Model for the Detection and Clinical Management of Segmental Aneuploidies in Human Embryos. American Journal of Human Genetics, 2020, 106, 525-534.	2.6	60
18	ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503.	1.4	32

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19	Propagation of Spermatogonial Stem Cell-Like Cells From Infant Boys. Frontiers in Physiology, 2019, 10, 1155.	1.3	20
20	Meiotic Kinetochores Fragment into Multiple Lobes upon Cohesin Loss in Aging Eggs. Current Biology, 2019, 29, 3749-3765.e7.	1.8	65
21	Xeno-Free Propagation of Spermatogonial Stem Cells from Infant Boys. International Journal of Molecular Sciences, 2019, 20, 5390.	1.8	18
22	Chromosome errors in human eggs shape natural fertility over reproductive life span. Science, 2019, 365, 1466-1469.	6.0	239
23	SureTypeSCâ€"a Random Forest and Gaussian mixture predictor of high confidence genotypes in single-cell data. Bioinformatics, 2019, 35, 5055-5062.	1.8	4
24	Parental Acceptance Rate of Testicular Tissue Cryopreservation in Danish Boys with Cryptorchidism. Sexual Development, 2019, 13, 246-257.	1.1	5
25	Genetic predisposition to mosaic Y chromosome loss in blood. Nature, 2019, 575, 652-657.	13.7	198
26	Does 1st Trimester Hemoglobin A1c Predict Adverse Pregnancy Outcomes? [9E]. Obstetrics and Gynecology, 2019, 133, 53S-53S.	1.2	1
27	A candidate gene analysis and GWAS for genes associated with maternal nondisjunction of chromosome 21. PLoS Genetics, 2019, 15, e1008414.	1.5	25
28	Computational and cellular studies reveal structural destabilization and degradation of MLH1 variants in Lynch syndrome. ELife, 2019, 8, .	2.8	49
29	Tripolar chromosome segregation drives the association between maternal genotype at variants spanning PLK4 and aneuploidy in human preimplantation embryos. Human Molecular Genetics, 2018, 27, 2573-2585.	1.4	55
30	Single cell genomics to study DNA and chromosome changes in human gametes and embryos. Methods in Cell Biology, 2018, 144, 441-457.	0.5	7
31	In Vitro Maturation and Culture of Human Oocytes. Methods in Molecular Biology, 2018, 1818, 23-30.	0.4	10
32	Effect of next-generation sequencing in preimplantation genetic testing on live birth ratio. Reproduction, Fertility and Development, 2018, 30, 1720.	0.1	7
33	Human female meiosis revised: new insights into the mechanisms of chromosome segregation and aneuploidies from advanced genomics and time-lapse imaging. Human Reproduction Update, 2017, 23, 706-722.	5.2	159
34	Generation of meiomaps of genome-wide recombination and chromosome segregation in human oocytes. Nature Protocols, 2016, 11, 1229-1243.	5.5	24
35	Genome-Wide Maps of Recombination and Chromosome Segregation in Human Oocytes and Embryos Show Selection for Maternal Recombination Rates. Obstetrical and Gynecological Survey, 2015, 70, 628-629.	0.2	0
36	Cmr1/WDR76 defines a nuclear genotoxic stress body linking genome integrity and protein quality control. Nature Communications, 2015, 6, 6533.	5.8	80

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37	Genome-wide maps of recombination and chromosome segregation in human oocytes and embryos show selection for maternal recombination rates. Nature Genetics, 2015, 47, 727-735.	9.4	229
38	FindFoci: A Focus Detection Algorithm with Automated Parameter Training That Closely Matches Human Assignments, Reduces Human Inconsistencies and Increases Speed of Analysis. PLoS ONE, 2014, 9, e114749.	1.1	91
39	Gold amides as anticancer drugs: synthesis and activity studies. Organic and Biomolecular Chemistry, 2013, 11, 3255.	1.5	13
40	Monopolin Subunit Csm1 Associates with MIND Complex to Establish Monopolar Attachment of Sister Kinetochores at Meiosis I. PLoS Genetics, 2013, 9, e1003610.	1.5	28
41	Smc5/6 Coordinates Formation and Resolution of Joint Molecules with Chromosome Morphology to Ensure Meiotic Divisions. PLoS Genetics, 2013, 9, e1004071.	1.5	70
42	Ipl1/Aurora Kinase Suppresses S-CDK-Driven Spindle Formation during Prophase I to Ensure Chromosome Integrity during Meiosis. PLoS ONE, 2013, 8, e83982.	1.1	13
43	SUMO meets meiosis: An encounter at the synaptonemal complex. BioEssays, 2011, 33, 529-537.	1.2	30
44	Requirement for DNA Ligase IV during Embryonic Neuronal Development. Journal of Neuroscience, 2011, 31, 10088-10100.	1.7	57
45	Distinct Regulation of Mlh1p Heterodimers in Meiosis and Mitosis in Saccharomyces cerevisiae. Genetics, 2010, 185, 459-467.	1.2	10
46	The synaptonemal complex protein, Zip1, promotes the segregation of nonexchange chromosomes at meiosis I. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 781-785.	3.3	67
47	A Mec1- and PP4-Dependent Checkpoint Couples Centromere Pairing to Meiotic Recombination. Developmental Cell, 2010, 19, 599-611.	3.1	100
48	Ipl1/Aurora B kinase coordinates synaptonemal complex disassembly with cell cycle progression and crossover formation in budding yeast meiosis. Genes and Development, 2009, 23, 2237-2251.	2.7	35
49	The G67E mutation in hMLH1 is associated with an unusual presentation of Lynch syndrome. British Journal of Cancer, 2009, 100, 376-380.	2.9	15
50	Interaction of Genetic and Environmental Factors in Saccharomyces cerevisiae Meiosis: The Devil is in the Details. Methods in Molecular Biology, 2009, 557, 3-20.	0.4	18
51	Temperature-Dependent Modulation of Chromosome Segregation in msh4 Mutants of Budding Yeast. PLoS ONE, 2009, 4, e7284.	1.1	17
52	MLH1 and MSH2 Promote the Symmetry of Double-Strand Break Repair Events at the HIS4 Hotspot in Saccharomyces cerevisiae. Genetics, 2005, 169, 1291-1303.	1.2	19
53	Trans Events Associated With Crossovers Are Revealed in the Absence of Mismatch Repair Genes in Saccharomyces cerevisiae. Genetics, 2005, 169, 1305-1310.	1.2	16
54	A role for the MutL homologue MLH2 in controlling heteroduplex formation and in regulating between two different crossover pathways in budding yeast. Cytogenetic and Genome Research, 2004, 107, 180-190.	0.6	40

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55	Meiotic recombination intermediates and mismatch repair proteins. Cytogenetic and Genome Research, 2004, 107, 232-248.	0.6	89
56	MLH1 Mutations Differentially Affect Meiotic Functions in Saccharomyces cerevisiae. Genetics, 2003, 163, 515-526.	1.2	45
57	Activation of heat shock transcription factor in yeast is not influenced by the levels of expression of heat shock proteins. Molecular Microbiology, 2001, 39, 914-923.	1.2	35
58	SureTypeSCR: R package for rapid quality control and genotyping of SNP arrays from single cells. F1000Research, 0, 10, 953.	0.8	0