Mathias Ehrich

List of Publications by Year
in descending order

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43 papers	6,057 citations	201674 27 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	7047 citing authors

#	Article	IF	Citations
1	Oct4-Induced Pluripotency in Adult Neural Stem Cells. Cell, 2009, 136, 411-419.	28.9	858
2	DNA sequencing of maternal plasma to detect Down syndrome: An international clinical validation study. Genetics in Medicine, 2011, 13, 913-920.	2.4	809
3	Quantitative high-throughput analysis of DNA methylation patterns by base-specific cleavage and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15785-15790.	7.1	757
4	DNA sequencing of maternal plasma reliably identifies trisomy 18 and trisomy 13 as well as Down syndrome: an international collaborative study. Genetics in Medicine, 2012, 14, 296-305.	2.4	471
5	Noninvasive detection of fetal trisomy 21 by sequencing of DNA in maternal blood: a study in a clinical setting. American Journal of Obstetrics and Gynecology, 2011, 204, 205.e1-205.e11.	1.3	407
6	Dnmt3b promotes tumorigenesis in vivo by gene-specific de novo methylation and transcriptional silencing. Genes and Development, 2007, 21, 3110-3122.	5.9	250
7	Wnt inhibitory factor 1 is epigenetically silenced in human osteosarcoma, and targeted disruption accelerates osteosarcomagenesis in mice. Journal of Clinical Investigation, 2009, 119, 837-851.	8.2	244
8	Determination of fetal DNA fraction from the plasma of pregnant women using sequence read counts. Prenatal Diagnosis, 2015, 35, 810-815.	2.3	179
9	Noninvasive prenatal detection of sex chromosomal aneuploidies by sequencing circulating cellâ€free DNA from maternal plasma. Prenatal Diagnosis, 2013, 33, 591-597.	2.3	173
10	DNA sequencing of maternal plasma to identify Down syndrome and other trisomies in multiple gestations. Prenatal Diagnosis, 2012, 32, 730-734.	2.3	153
11	Noninvasive prenatal screening for fetal trisomies 21, 18, 13 and the common sex chromosome aneuploidies from maternal blood using massively parallel genomic sequencing of DNA. American Journal of Obstetrics and Gynecology, 2014, 211, 365.e1-365.e12.	1.3	151
12	Clinical validation of a noninvasive prenatal test for genomewide detection of fetal copy number variants. American Journal of Obstetrics and Gynecology, 2016, 215, 227.e1-227.e16.	1.3	146
13	Quantification of Fetal DNA by Use of Methylation-Based DNA Discrimination. Clinical Chemistry, 2010, 56, 1627-1635.	3.2	128
14	Hypermethylation of Genes for Diagnosis and Risk Stratification of Prostate Cancer. Cancer Investigation, 2009, 27, 549-560.	1.3	126
15	Detection of Fetal Subchromosomal Abnormalities by Sequencing Circulating Cell-Free DNA from Maternal Plasma. Clinical Chemistry, 2015, 61, 608-616.	3.2	125
16	Optimizing blood collection, transport and storage conditions for cell free DNA increases access to prenatal testing. Clinical Biochemistry, 2013, 46, 1099-1104.	1.9	121
17	Cytosine methylation profiling of cancer cell lines. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4844-4849.	7.1	116
18	Detection of Microdeletion 22q11.2 in a Fetus by Next-Generation Sequencing of Maternal Plasma. Clinical Chemistry, 2012, 58, 1148-1151.	3.2	115

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19	Fetal Aneuploidy Detection by Cell-Free DNA Sequencing for Multiple Pregnancies and Quality Issues with Vanishing Twins. Journal of Clinical Medicine, 2014, 3, 679-692.	2.4	94
20	High-Throughput Massively Parallel Sequencing for Fetal Aneuploidy Detection from Maternal Plasma. PLoS ONE, 2013, 8, e57381.	2.5	86
21	Incidental Detection of Maternal Neoplasia in Noninvasive Prenatal Testing. Clinical Chemistry, 2018, 64, 329-335.	3.2	79
22	Genes methylated by DNA methyltransferase 3b are similar in mouse intestine and human colon cancer. Journal of Clinical Investigation, 2011, 121, 1748-1752.	8.2	64
23	Cytosine Methylation Profiles as a Molecular Marker in Nonâ€“Small Cell Lung Cancer. Cancer Research, 2006, 66, 10911-10918.	0.9	63
24	Genome-Wide Sequencing of Cell-Free DNA Identifies Copy-Number Alterations That Can Be Used for Monitoring Response to Immunotherapy in Cancer Patients. Molecular Cancer Therapeutics, 2019, 18, 448-458.	4.1	63
25	Whole genome bisulfite sequencing of cell-free DNA and its cellular contributors uncovers placenta hypomethylated domains. Genome Biology, 2015, 16, 78.	8.8	58
26	Multiplexed analysis of circulating cell-free fetal nucleic acids for noninvasive prenatal diagnostic RHD testing. American Journal of Obstetrics and Gynecology, 2011, 204, 251.e1-251.e6.	1.3	36
27	Comparative analysis of DNA methylation profiles in peripheral blood leukocytes versus lymphoblastoid cell lines. Epigenetics, 2009, 4, 159-164.	2.7	34
28	DNA methylation profiling in cell models of diabetic nephropathy. Epigenetics, 2010, 5, 396-401.	2.7	28
29	Stemness of the Organ of Corti Relates to the Epigenetic Status of Sox2 Enhancers. PLoS ONE, 2012, 7, e36066.	2.5	25
30	A Role for DNA Methylation in Regulating the Growth SuppressorPMEPA1Gene in Prostate Cancer. Epigenetics, 2007, 2, 100-105.	2.7	23
31	Peripheral blood leukocyte distribution and body mass index are associated with the methylation pattern of the androgen receptor promoter. Endocrine, 2009, 35, 204-210.	2.3	22
32	Restriction Enzymeâ€“Mediated Enhanced Detection of Circulating Cell-Free Fetal DNA in Maternal Plasma. Journal of Molecular Diagnostics, 2011, 13, 382-389.	2.8	19
33	Maternal plasma DNA testing for aneuploidy in pregnancies achieved by assisted reproductive technologies. Genetics in Medicine, 2014, 16, 419-422.	2.4	12
34	Noninvasive Detection of a Balanced Fetal Translocation from Maternal Plasma. Clinical Chemistry, 2014, 60, 1298-1305.	3.2	10
35	Using Targeted Sequencing of Paralogous Sequences for Noninvasive Detection of Selected Fetal Aneuploidies. Clinical Chemistry, 2016, 62, 1621-1629.	3.2	7
36	DNA Sequencing of Maternal Plasma to Detect Down Syndrome. Obstetrical and Gynecological Survey, 2012, 67, 86-88.	0.4	3

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37	â€œFetal quantifiersâ€•as a universal approach for non-invasive prenatal diagnostics. American Journal of Obstetrics and Gynecology, 2006, 195, S174.	1.3	1
38	Multiplexed Analysis of Circulating Cell-Free Fetal Nucleic Acids for Noninvasive Prenatal Diagnostic RHD Testing. Obstetrical and Gynecological Survey, 2011, 66, 404-405.	0.4	1
39	31: Discovery of DNA methylation markers for prenatal aneuploidy testing. American Journal of Obstetrics and Gynecology, 2008, 199, S15.	1.3	0
40	Erratum to Eric Richter, et al. Epigenetics Volume 2, Issue 2; pp. 100â€“105. Epigenetics, 2008, 3, 51-51.	2.7	0
41	727: Markers for trisomy 21: elucidating sequence variants of the PLAC4 gene. American Journal of Obstetrics and Gynecology, 2009, 201, S262-S263.	1.3	0
42	Reply. American Journal of Obstetrics and Gynecology, 2016, 215, 534-535.	1.3	0
43	Comparative methylation profiling of tumor samples using methyl-CpG-immuno precipitation (MCIp) and CpG island microarrays. , 0, 2008, .		0