Rajiv C Mccoy

List of Publications by Year
in descending order

37 papers	4,536 citations	331259 21 h-index	360668 35 g-index
48 all docs	48 docs citations	48 times ranked	5282 citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal selection of human embryos in early gestation: Insights from recurrent miscarriage. Seminars in Cell and Developmental Biology, 2022, 131, 14-24.	2.3	30
2	A complete reference genome improves analysis of human genetic variation. Science, 2022, 376, eabl3533.	6.0	144
3	The complete sequence of a human genome. Science, 2022, 376, 44-53.	6.0	1,222
4	Origins and mechanisms leading to aneuploidy in human eggs. Prenatal Diagnosis, 2021, 41, 620-630.	1.1	33
5	Chromosomal mosaicism: Origins and clinical implications in preimplantation and prenatal diagnosis. Prenatal Diagnosis, 2021, 41, 631-641.	1.1	27
6	Optimized sample selection for cost-efficient long-read population sequencing. Genome Research, 2021, 31, 910-918.	2.4	4
7	Miscarriage matters: the epidemiological, physical, psychological, and economic costs of early pregnancy loss. Lancet, The, 2021, 397, 1658-1667.	6.3	508
8	Local adaptation and archaic introgression shape global diversity at human structural variant loci. ELife, 2021, 10, .	2.8	33
9	Let the data do the talking: the need to consider mosaicism during embryo selection. Fertility and Sterility, 2021, 116, 1212-1219.	0.5	20
10	Haplotype-aware inference of human chromosome abnormalities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
11	Isolation of *Mycobacterium lepromatosis* and Development of Molecular Diagnostic Assays to Distinguish *Mycobacterium leprae* and *M. lepromatosis*. Clinical Infectious Diseases, 2020, 71, e262-e269.	2.9	37
12	Archaic hominin genomics provides a window into gene expression evolution. Current Opinion in Genetics and Development, 2020, 62, 44-49.	1.5	9
13	Single-cell analysis of human embryos reveals diverse patterns of aneuploidy and mosaicism. Genome Research, 2020, 30, 814-825.	2.4	97
14	Mathematical modeling of human oocyte aneuploidy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10455-10464.	3.3	16
15	Chromosome errors in human eggs shape natural fertility over reproductive life span. Science, 2019, 365, 1466-1469.	6.0	239
16	Functional divergence among hominins. Nature Ecology and Evolution, 2019, 3, 1507-1508.	3.4	1
17	One hundred mosaic embryos transferred prospectively in a single clinic: exploring when and why they result in healthy pregnancies. Fertility and Sterility, 2019, 111, 280-293.	0.5	143
18	Quantifying the transcriptional impacts of aneuploidy in human blastocysts. Fertility and Sterility, 2019, 111, 888-889.	0.5	1

#	Article	IF	Citations
19	Assessment of aneuploidy concordance between clinical trophectoderm biopsy and blastocyst. Human Reproduction, 2019, 34, 181-192.	0.4	95
20	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
21	Common variants associated with mitotic-origin of aneuploidy in human embryos. Reproductive BioMedicine Online, 2018, 36, e1.	1.1	0
22	Are blastocyst aneuploidy rates different between fertile and infertile populations?. Journal of Assisted Reproduction and Genetics, 2018, 35, 403-408.	1.2	37
23	Massive variation of short tandem repeats with functional consequences across strains of <i>Arabidopsis thaliana</i>. Genome Research, 2018, 28, 1169-1178.	2.4	34
24	Evolutionary history and adaptation of a human pygmy population of Flores Island, Indonesia. Science, 2018, 361, 511-516.	6.0	56
25	Impacts of Neanderthal-Introgressed Sequences on the Landscape of Human Gene Expression. Cell, 2017, 168, 916-927.e12.	13.5	136
26	Mosaicism in Preimplantation Human Embryos: When Chromosomal Abnormalities Are the Norm. Trends in Genetics, 2017, 33, 448-463.	2.9	170
27	Technology versus biology: the limits of preâ€implantation genetic screening. EMBO Reports, 2017, 18, 670-672.	2.0	6
28	Selection plays the hand it was dealt: evidence that human adaptation commonly targets standing genetic variation. Genome Biology, 2017, 18, 139.	3.8	10
29	Patterns of deleterious variation between human populations reveal an unbalanced load. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 809-811.	3.3	2
30	Excavating Neandertal and Denisovan DNA from the genomes of Melanesian individuals. Science, 2016, 352, 235-239.	6.0	391
31	Effects of maternal age on euploidy rates inÂa large cohort of embryos analyzedÂwith 24-chromosome single-nucleotide polymorphismâ€"based preimplantation genetic screening. Fertility and Sterility, 2016, 105, 1307-1313.	0.5	131
32	Common Variants Spanning PLK4 Are Associated With Mitotic-Origin Aneuploidy in Human Embryos. Obstetrical and Gynecological Survey, 2015, 70, 451-452.	0.2	0
33	Evidence of Selection against Complex Mitotic-Origin Aneuploidy during Preimplantation Development. PLoS Genetics, 2015, 11, e1005601.	1.5	170
34	Common variants spanning <i>PLK4</i> are associated with mitotic-origin aneuploidy in human embryos. Science, 2015, 348, 235-238.	6.0	106
35	Illumina TruSeq Synthetic Long-Reads Empower De Novo Assembly and Resolve Complex, Highly-Repetitive Transposable Elements. PLoS ONE, 2014, 9, e106689.	1.1	180
36	The Glanville fritillary genome retains an ancient karyotype and reveals selective chromosomal fusions in Lepidoptera. Nature Communications, 2014, 5, 4737.	5.8	196

#	Article	IF	Citations
37	Genomic inference accurately predicts the timing and severity of a recent bottleneck in a nonmodel insect population. Molecular Ecology, 2014, 23, 136-150.	2.0	40