

Ronald A Harris

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

13,535
citations

61984

43
h-index

64796

79
g-index

112
all docs

112
docs citations

112
times ranked

28001
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative analysis of 111 reference human epigenomes. <i>Nature</i> , 2015, 518, 317-330.	27.8	5,653
2	Evolutionary and Biomedical Insights from the Rhesus Macaque Genome. <i>Science</i> , 2007, 316, 222-234.	12.6	1,283
3	Comparison of sequencing-based methods to profile DNA methylation and identification of monoallelic epigenetic modifications. <i>Nature Biotechnology</i> , 2010, 28, 1097-1105.	17.5	647
4	Functional annotation of the human brain methylome identifies tissue-specific epigenetic variation across brain and blood. <i>Genome Biology</i> , 2012, 13, R43.	9.6	585
5	Season of Conception in Rural Gambia Affects DNA Methylation at Putative Human Metastable Epialleles. <i>PLoS Genetics</i> , 2010, 6, e1001252.	3.5	393
6	High-fat maternal diet during pregnancy persistently alters the offspring microbiome in a primate model. <i>Nature Communications</i> , 2014, 5, 3889.	12.8	361
7	Gibbon genome and the fast karyotype evolution of small apes. <i>Nature</i> , 2014, 513, 195-201.	27.8	320
8	The placental membrane microbiome is altered among subjects with spontaneous preterm birth with and without chorioamnionitis. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 627.e1-627.e16.	1.3	235
9	The common marmoset genome provides insight into primate biology and evolution. <i>Nature Genetics</i> , 2014, 46, 850-857.	21.4	225
10	Proinflammatory Role for let-7 MicroRNAs in Experimental Asthma. <i>Journal of Biological Chemistry</i> , 2010, 285, 30139-30149.	3.4	222
11	Transcriptome Profiling of microRNA by Next-Gen Deep Sequencing Reveals Known and Novel miRNA Species in the Lipid Fraction of Human Breast Milk. <i>PLoS ONE</i> , 2013, 8, e50564.	2.5	155
12	A maternal high-fat diet modulates fetal SIRT1 histone and protein deacetylase activity in nonhuman primates. <i>FASEB Journal</i> , 2012, 26, 5106-5114.	0.5	154
13	GASZ Is Essential for Male Meiosis and Suppression of Retrotransposon Expression in the Male Germline. <i>PLoS Genetics</i> , 2009, 5, e1000635.	3.5	151
14	Maternal methyl-donor supplementation induces prolonged murine offspring colitis susceptibility in association with mucosal epigenetic and microbiomic changes. <i>Human Molecular Genetics</i> , 2011, 20, 1687-1696.	2.9	135
15	Colonic mucosal DNA methylation, immune response, and microbiome patterns in Toll-like receptor 2-knockout mice. <i>FASEB Journal</i> , 2011, 25, 1449-1460.	0.5	123
16	MicroRNA transcriptome in the newborn mouse ovaries determined by massive parallel sequencing. <i>Molecular Human Reproduction</i> , 2010, 16, 463-471.	2.8	122
17	DNA Methylation Profiling in Inflammatory Bowel Disease Provides New Insights into Disease Pathogenesis. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 77-86.	1.3	115
18	The comparative genomics and complex population history of <i>Papio</i> baboons. <i>Science Advances</i> , 2019, 5, eaau6947.	10.3	115

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19	Primary Human Placental Trophoblasts are Permissive for Zika Virus (ZIKV) Replication. <i>Scientific Reports</i> , 2017, 7, 41389.	3.3	114
20	A sequence-level map of chromosomal breakpoints in the MCF-7 breast cancer cell line yields insights into the evolution of a cancer genome. <i>Genome Research</i> , 2009, 19, 167-177.	5.5	111
21	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. <i>Science</i> , 2020, 370, .	12.6	105
22	The population genomics of rhesus macaques (<i>Macaca mulatta</i>) based on whole-genome sequences. <i>Genome Research</i> , 2016, 26, 1651-1662.	5.5	101
23	Reproductive Longevity Predicts Mutation Rates in Primates. <i>Current Biology</i> , 2018, 28, 3193-3197.e5.	3.9	94
24	Intermediate DNA methylation is a conserved signature of genome regulation. <i>Nature Communications</i> , 2015, 6, 6363.	12.8	91
25	Identification of Common Genetic Variants Influencing Spontaneous Dizygotic Twinning and Female Fertility. <i>American Journal of Human Genetics</i> , 2016, 98, 898-908.	6.2	89
26	Allele-specific epigenome maps reveal sequence-dependent stochastic switching at regulatory loci. <i>Science</i> , 2018, 361, .	12.6	87
27	Evolutionary Breakpoints in the Gibbon Suggest Association between Cytosine Methylation and Karyotype Evolution. <i>PLoS Genetics</i> , 2009, 5, e1000538.	3.5	81
28	Sooty mangabey genome sequence provides insight into AIDS resistance in a natural SIV host. <i>Nature</i> , 2018, 553, 77-81.	27.8	81
29	Genomic Hypomethylation in the Human Germline Associates with Selective Structural Mutability in the Human Genome. <i>PLoS Genetics</i> , 2012, 8, e1002692.	3.5	80
30	Genome-wide peripheral blood leukocyte DNA methylation microarrays identified a single association with inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 2334-2341.	1.9	80
31	A nonhuman primate model of inherited retinal disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 863-874.	8.2	78
32	Epigenomic footprints across 111 reference epigenomes reveal tissue-specific epigenetic regulation of lincRNAs. <i>Nature Communications</i> , 2015, 6, 6370.	12.8	77
33	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. <i>PLoS Biology</i> , 2020, 18, e3000954.	5.6	73
34	Comparison and quantitative verification of mapping algorithms for whole-genome bisulfite sequencing. <i>Nucleic Acids Research</i> , 2014, 42, e43-e43.	14.5	68
35	Evolutionary genetics and implications of small size and twinning in callitrichine primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1467-1472.	7.1	66
36	Serial Fecal Microbiota Transplantation Alters Mucosal Gene Expression in Pediatric Ulcerative Colitis. <i>American Journal of Gastroenterology</i> , 2015, 110, 604-606.	0.4	61

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37	DNA methylation-associated colonic mucosal immune and defense responses in treatment-naïve pediatric ulcerative colitis. <i>Epigenetics</i> , 2014, 9, 1131-1137.	2.7	59
38	In utero exposure to a maternal high-fat diet alters the epigenetic histone code in a murine model. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, 463.e1-463.e11.	1.3	58
39	Early Origins of Adult Disease: Approaches for Investigating the Programmable Epigenome in Humans, Nonhuman Primates, and Rodents. <i>ILAR Journal</i> , 2012, 53, 306-321.	1.8	57
40	Centromere Remodeling in Hoolock leuconedys (Hylobatidae) by a New Transposable Element Unique to the Gibbons. <i>Genome Biology and Evolution</i> , 2012, 4, 648-658.	2.5	57
41	Human metastable epiallele candidates link to common disorders. <i>Epigenetics</i> , 2013, 8, 157-163.	2.7	56
42	Hybrid de novo genome assembly and centromere characterization of the gray mouse lemur (<i>Microcebus murinus</i>). <i>BMC Biology</i> , 2017, 15, 110.	3.8	53
43	Maternal High-Fat Diet Modulates the Fetal Thyroid Axis and Thyroid Gene Expression in a Nonhuman Primate Model. <i>Molecular Endocrinology</i> , 2012, 26, 2071-2080.	3.7	49
44	A High-Resolution Map of Synteny Disruptions in Gibbon and Human Genomes. <i>PLoS Genetics</i> , 2006, 2, e223.	3.5	48
45	Pash 3.0: A versatile software package for read mapping and integrative analysis of genomic and epigenomic variation using massively parallel DNA sequencing. <i>BMC Bioinformatics</i> , 2010, 11, 572.	2.6	48
46	Paternal age in rhesus macaques is positively associated with germline mutation accumulation but not with measures of offspring sociability. <i>Genome Research</i> , 2020, 30, 826-834.	5.5	48
47	Colonic Mucosal Epigenome and Microbiome Development in Children and Adolescents. <i>Journal of Immunology Research</i> , 2016, 2016, 1-7.	2.2	36
48	Characterization of single-nucleotide variation in Indian-origin rhesus macaques (<i>Macaca mulatta</i>). <i>BMC Genomics</i> , 2011, 12, 311.	2.8	30
49	Human-Specific Changes of Genome Structure Detected by Genomic Triangulation. <i>Science</i> , 2007, 316, 235-237.	12.6	25
50	Improved full-length killer cell immunoglobulin-like receptor transcript discovery in Mauritian cynomolgus macaques. <i>Immunogenetics</i> , 2017, 69, 325-339.	2.4	25
51	Genome-wide array-based copy number profiling in human placentas from unexplained stillbirths. <i>Prenatal Diagnosis</i> , 2011, 31, 932-944.	2.3	23
52	Genomic Variants Associated with Resistance to High Fat Diet Induced Obesity in a Primate Model. <i>Scientific Reports</i> , 2016, 6, 36123.	3.3	23
53	Neuropeptide S receptor 1 is a nonhormonal treatment target in endometriosis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	23
54	De novo Mutations in Domestic Cat are Consistent with an Effect of Reproductive Longevity on Both the Rate and Spectrum of Mutations. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	22

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55	Comparative Genomic Analyses of the Human NPHP1 Locus Reveal Complex Genomic Architecture and Its Regional Evolution in Primates. <i>PLoS Genetics</i> , 2015, 11, e1005686.	3.5	21
56	Loss of n-6 fatty acid induced pediatric obesity protects against acute murine colitis. <i>FASEB Journal</i> , 2015, 29, 3151-3159.	0.5	19
57	Unusual sequence characteristics of human chromosome 19 are conserved across 11 nonhuman primates. <i>BMC Evolutionary Biology</i> , 2020, 20, 33.	3.2	18
58	Mismatch repair gene mutations lead to lynch syndrome colorectal cancer in rhesus macaques. <i>Genes and Cancer</i> , 2018, 9, 142-152.	1.9	18
59	Designing new microsatellite markers for linkage and population genetic analyses in rhesus macaques and other nonhuman primates. <i>Genomics</i> , 2006, 88, 706-710.	2.9	16
60	MHC genotyping from rhesus macaque exome sequences. <i>Immunogenetics</i> , 2019, 71, 531-544.	2.4	16
61	Pooled genomic indexing of rhesus macaque. <i>Genome Research</i> , 2005, 15, 292-301.	5.5	14
62	Comparative genomic analysis of sifakas (<i>Propithecus</i>) reveals selection for folivory and high heterozygosity despite endangered status. <i>Science Advances</i> , 2021, 7, .	10.3	14
63	Heritability of social behavioral phenotypes and preliminary associations with autism spectrum disorder risk genes in rhesus macaques: A whole exome sequencing study. <i>Autism Research</i> , 2022, 15, 447-463.	3.8	14
64	Infant inhibited temperament in primates predicts adult behavior, is heritable, and is associated with anxiety-relevant genetic variation. <i>Molecular Psychiatry</i> , 2021, 26, 6609-6618.	7.9	13
65	Origins and Long-Term Patterns of Copy-Number Variation in Rhesus Macaques. <i>Molecular Biology and Evolution</i> , 2021, 38, 1460-1471.	8.9	11
66	Copy number variants and fixed duplications among 198 rhesus macaques (<i>Macaca mulatta</i>). <i>PLoS Genetics</i> , 2020, 16, e1008742.	3.5	10
67	Polymorphic microsatellite loci for the common marmoset (<i>Callithrix jacchus</i>) designed using a cost- and time-efficient method. <i>American Journal of Primatology</i> , 2008, 70, 906-910.	1.7	8
68	Comparative molecular genomic analyses of a spontaneous rhesus macaque model of mismatch repair-deficient colorectal cancer. <i>PLoS Genetics</i> , 2022, 18, e1010163.	3.5	8
69	Structural and transcriptomic response to antenatal corticosteroids in an Erk3-null mouse model of respiratory distress. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 384.e1-384.e89.	1.3	7
70	Reduced meiotic recombination in rhesus macaques and the origin of the human recombination landscape. <i>PLoS ONE</i> , 2020, 15, e0236285.	2.5	7
71	Population-Based Estimation of the Preterm Birth Rate in Lilongwe, Malawi: Making Every Birth Count. <i>AJP Reports</i> , 2020, 10, e78-e86.	0.7	7
72	Variation in predicted COVID-19 risk among lemurs and lorises. <i>American Journal of Primatology</i> , 2021, 83, e23255.	1.7	7

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73	Role of Maternal Serum Alpha-Fetoprotein and Ultrasonography in Contemporary Detection of Spina Bifida. American Journal of Perinatology, 2015, 32, 1287-1291.	1.4	6
74	Confounding by Repetitive Elements and CpG Islands Does Not Explain the Association between Hypomethylation and Genomic Instability. PLoS Genetics, 2013, 9, e1003333.	3.5	3
75	Pedigree reconstruction and distant pairwise relatedness estimation from genome sequence data: A demonstration in a population of rhesus macaques (<i>Macaca mulatta</i>). Molecular Ecology Resources, 2021, 21, 1333-1346.	4.8	3
76	Spontaneous Spongiform Brainstem Degeneration in a Young Mouse Lemur (<i>Microcebus murinus</i>) with Conspicuous Behavioral, Motor, Growth, and Ocular Pathologies. Comparative Medicine, 2018, 68, 489-495.	1.0	2
77	522: Population-based estimation of the preterm birth rate in Malawi: making every birth count. American Journal of Obstetrics and Gynecology, 2014, 210, S257-S258.	1.3	1
78	Population-Based Estimation of Dental Caries and Periodontal Disease Rates of Gravid and Recently Postpartum Women in Lilongwe, Malawi. AJP Reports, 2019, 09, e268-e274.	0.7	1
79	Clinical presentation, treatment, and genetic and histopathological analysis of juvenile cataracts and secondary glaucoma in a rhesus macaque (<i>Macaca mulatta</i>). Journal of Medical Primatology, 2022, 51, 119-123.	0.6	1
80	and Associated Extensive Prolapse-Type Inflammatory Polyposis in Crohn's Colitis.. Annals of Clinical and Laboratory Science, 2021, 51, 868-874.	0.2	1
81	DNA Methylation and Microbiota Separation of Ulcerative Colitis in Treatment Naive Children. Inflammatory Bowel Diseases, 2012, 18, S60-S61.	1.9	0
82	8: A primate epigenome-wide custom array of 244K reveals that a maternal high fat (HF) diet discriminately alters the fetal liver methylome in a primate model of maternal obesity. American Journal of Obstetrics and Gynecology, 2012, 206, S4-S5.	1.3	0
83	169: Novel molecular determinates of newborn health: micro (miRNA) expression profiling in breast milk employing next generation smRNA sequencing. American Journal of Obstetrics and Gynecology, 2012, 206, S88.	1.3	0
84	513: Antenatal glucocorticoids and postnatal surfactant treatment partially rescues neonatal lethality and pulmonary immaturity in an ERK3 ^{-/-} knockout (ko) murine model of intrauterine growth restriction (IUGR). American Journal of Obstetrics and Gynecology, 2012, 206, S232-S233.	1.3	0
85	158: Genome wide maternal leukocyte DNA methylation analysis performed longitudinally throughout normal pregnancy. American Journal of Obstetrics and Gynecology, 2014, 210, S92.	1.3	0
86	634: Detection of open neural tube defects (ONTD) as an opportunity for intervention. American Journal of Obstetrics and Gynecology, 2015, 212, S312-S313.	1.3	0
87	345: Novel insights on molecular targets of environmental exposures during pregnancy using placental multiomics integration. American Journal of Obstetrics and Gynecology, 2015, 212, S182.	1.3	0
88	293: Transcriptomic analysis reveals potential roles for ERK3 in fetal lung maturation via surfactant protein B and corticotropin releasing hormone. American Journal of Obstetrics and Gynecology, 2015, 212, S157-S158.	1.3	0
89	549: Population-based estimation of the peridontal disease rate in malawi and compliance with preventive/ treatment measures. American Journal of Obstetrics and Gynecology, 2016, 214, S295-S296.	1.3	0
90	23: Antibiotics and betamethasone therapy do not significantly alter the placental microbiome in chorioamnionitis affected pregnancies. American Journal of Obstetrics and Gynecology, 2016, 214, S17.	1.3	0

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91	184: Pre-eclampsia, diabetes, and the placenta: a study in differential gene expression & molecular clues to disease states. American Journal of Obstetrics and Gynecology, 2016, 214, S114-S115.	1.3	0
92	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
93	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
94	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
95	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
96	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
97	Primate phylogenomics uncovers multiple rapid radiations and ancient interspecific introgression. , 2020, 18, e3000954.		0
98	Title is missing!. , 2020, 15, e0236285.		0
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100	Title is missing!. , 2020, 15, e0236285.		0
101	Title is missing!. , 2020, 15, e0236285.		0