David A Eccles

List of Publications by Year
in descending order

37 papers	**9,119** citations	361413 **20** h-index	315739 **38** g-index
110 all docs	**110** docs citations	**110** times ranked	**18314** citing authors

#	ARTICLE	IF	CITATIONS
1	De novo transcript sequence reconstruction from RNA-seq using the Trinity platform for reference generation and analysis. Nature Protocols, 2013, 8, 1494-1512.	12.0	7,054
2	Mitochondrial Genome Acquisition Restores Respiratory Function and Tumorigenic Potential of Cancer Cells without Mitochondrial DNA. Cell Metabolism, 2015, 21, 81-94.	16.2	582
3	MinION Analysis and Reference Consortium: Phase 1 data release and analysis. F1000Research, 2015, 4, 1075.	1.6	270
4	An analysis of DNA methylation in human adipose tissue reveals differential modification of obesity genes before and after gastric bypass and weight loss. Genome Biology, 2015, 16, 8.	8.8	200
5	MinION Analysis and Reference Consortium: Phase 2 data release and analysis of R9.0 chemistry. F1000Research, 2017, 6, 760.	1.6	107
6	MinION nanopore sequencing of an influenza genome. Frontiers in Microbiology, 2015, 6, 766.	3.5	85
7	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	12.8	84
8	Tree Lab: Portable genomics for Early Detection of Plant Viruses and Pests in Sub-Saharan Africa. Genes, 2019, 10, 632.	2.4	81
9	Th2 responses are primed by skin dendritic cells with distinct transcriptional profiles. Journal of Experimental Medicine, 2017, 214, 125-142.	8.5	69
10	Î²-Catenin-Dependent Control of Positional Information along the AP Body Axis in Planarians Involves a Teashirt Family Member. Cell Reports, 2015, 10, 253-265.	6.4	66
11	Homeostatic IL-13 in healthy skin directs dendritic cell differentiation to promote TH2 and inhibit TH17 cell polarization. Nature Immunology, 2021, 22, 1538-1550.	14.5	61
12	Harnessing the MinION: An example of how to establish longâ€read sequencing in a laboratory using challenging plant tissue from <i>Eucalyptus pauciflora</i>. Molecular Ecology Resources, 2019, 19, 77-89.	4.8	53
13	The p.Ala510Val mutation in the SPG7 (paraplegin) gene is the most common mutation causing adult onset neurogenetic disease in patients of British ancestry. Journal of Neurology, 2013, 260, 1286-1294.	3.6	45
14	Testing the thrifty gene hypothesis: the Gly482Ser variant in PPARGC1Ais associated with BMI in Tongans. BMC Medical Genetics, 2011, 12, 10.	2.1	38
15	Investigation of chimeric reads using the MinION. F1000Research, 2017, 6, 631.	1.6	38
16	De novo assembly of the complex genome of Nippostrongylus brasiliensis using MinION long reads. BMC Biology, 2018, 16, 6.	3.8	35
17	Investigation of chimeric reads using the MinION. F1000Research, 2017, 6, 631.	1.6	32
18	Mapping eQTLs in the Norfolk Island Genetic Isolate Identifies Candidate Genes for CVD Risk Traits. American Journal of Human Genetics, 2013, 93, 1087-1099.	6.2	28

#	ARTICLE	IF	CITATIONS
19	Metagenomic analysis of planktonic riverine microbial consortia using nanopore sequencing reveals insight into river microbe taxonomy and function. GigaScience, 2020, 9, .	6.4	28
20	Expanding the conservation genomics toolbox: Incorporating structural variants to enhance genomic studies for species of conservation concern. Molecular Ecology, 2021, 30, 5949-5965.	3.9	26
21	Exome Sequencing Diagnoses X-Linked Moesin-Associated Immunodeficiency in a Primary Immunodeficiency Case. Frontiers in Immunology, 2018, 9, 420.	4.8	24
22	Complete Mitochondrial Genome Sequencing Reveals Novel Haplotypes in a Polynesian Population. PLoS ONE, 2012, 7, e35026.	2.5	23
23	Annotated mitochondrial genome with Nanopore R9 signal for Nippostrongylus brasiliensis. F1000Research, 2017, 6, 56.	1.6	14
24	â€˜Mutiny on the Bountyâ€™: the genetic history of Norfolk Island reveals extreme gender-biased admixture. Investigative Genetics, 2015, 6, 11.	3.3	9
25	Bioenergetic and Metabolic Adaptation in Tumor Progression and Metastasis. Frontiers in Oncology, 2022, 12, 857686.	2.8	8
26	Geneâ€‘centric analysis implicates nuclear encoded mitochondrial protein gene variants in migraine susceptibility. Molecular Genetics & Genomic Medicine, 2017, 5, 157-163.	1.2	6
27	Mitochondrial DNA Affects the Expression of Nuclear Genes Involved in Immune and Stress Responses in a Breast Cancer Model. Frontiers in Physiology, 2020, 11, 543962.	2.8	6
28	Towards inclusive funding practices for early career researchers. Journal of Science Policy & Governance, 2021, 18, .	0.2	5
29	A unique demographic history exists for the MAO-A gene in Polynesians. Journal of Human Genetics, 2012, 57, 294-300.	2.3	4
30	Transcription Factors Active in the Anterior Blastema of Schmidtea mediterranea. Biomolecules, 2021, 11, 1782.	4.0	4
31	Genomic, Transcriptomic, and Phenotypic Analyses of Neisseria meningitidis Isolates from Disease Patients and Their Household Contacts. MSystems, 2017, 2, .	3.8	3
32	A Phenomic Scan of the Norfolk Island Genetic Isolate Identifies a Major Pleiotropic Effect Locus Associated with Metabolic and Renal Disorder Markers. PLoS Genetics, 2015, 11, e1005593.	3.5	3
33	A semi-automated technique for adenoma quantification in the ApcMin mouse using FeatureCounter. Scientific Reports, 2020, 10, 3064.	3.3	2
34	Expression QTL analysis of glaucoma endophenotypes in the Norfolk Island isolate provides evidence that immune-related genes are associated with optic disc size. Journal of Human Genetics, 2018, 63, 83-87.	2.3	1
35	The MinION as a cost-effective technology for diagnostic screening of the SCN1A gene in epilepsy patients. Epilepsy Research, 2021, 172, 106593.	1.6	1
36	Capturing SNP Association across the NK Receptor and HLA Gene Regions in Multiple Sclerosis by Targeted Penalised Regression Models. Genes, 2022, 13, 87.	2.4	1

#	ARTICLE	IF	CITATIONS
37	Estimation of genomic ancestry in admixed populations. F1000Research, 0, 5, 779.	1.6	0