

# Denise Anderson

## List of Publications by Citations

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54  
papers

6,394  
citations

22  
h-index

56  
g-index

56  
ext. papers

8,170  
ext. citations

8.4  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
54	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
53	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , <b>2014</b> , 46, 1173-86	36.3	1339
52	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
51	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003500	6	277
50	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 4067-4085	5.6	151
49	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. <i>Nature Communications</i> , <b>2014</b> , 5, 4926	17.4	121
48	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , <b>2019</b> , 10, 1893	17.4	79
47	Vitamin D in fetal development: findings from a birth cohort study. <i>Pediatrics</i> , <b>2015</b> , 135, e167-73	7.4	74
46	A microbiome case-control study of recurrent acute otitis media identified potentially protective bacterial genera. <i>BMC Microbiology</i> , <b>2018</b> , 18, 13	4.5	63
45	Genome-wide association study to identify the genetic determinants of otitis media susceptibility in childhood. <i>PLoS ONE</i> , <b>2012</b> , 7, e48215	3.7	49
44	FusionFinder: a software tool to identify expressed gene fusion candidates from RNA-Seq data. <i>PLoS ONE</i> , <b>2012</b> , 7, e39987	3.7	43
43	Analytical Bias in the Measurement of Serum 25-Hydroxyvitamin D Concentrations Impairs Assessment of Vitamin D Status in Clinical and Research Settings. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135478	3.7	40
42	Genome-wide association study of vitamin D levels in children: replication in the Western Australian Pregnancy Cohort (Raine) study. <i>Genes and Immunity</i> , <b>2014</b> , 15, 578-83	4.4	39
41	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. <i>Genome Medicine</i> , <b>2020</b> , 12, 25	14.4	37
40	Integrated analyses of zebrafish miRNA and mRNA expression profiles identify miR-29b and miR-223 as potential regulators of optic nerve regeneration. <i>BMC Genomics</i> , <b>2015</b> , 16, 591	4.5	27
39	Epigenetic Age Acceleration in Adolescence Associates With BMI, Inflammation, and Risk Score for Middle Age Cardiovascular Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 3012-3024	5.6	25
38	A phenotype centric benchmark of variant prioritisation tools. <i>Npj Genomic Medicine</i> , <b>2018</b> , 3, 5	6.2	24

37	A genome-wide search for type 2 diabetes susceptibility genes in an extended Arab family. <i>Annals of Human Genetics</i> , <b>2013</b> , 77, 488-503	2.2	24
36	Confirmation of childhood acute lymphoblastic leukemia variants, ARID5B and IKZF1, and interaction with parental environmental exposures. <i>PLoS ONE</i> , <b>2014</b> , 9, e110255	3.7	24
35	A pre-clinical model of resistance to induction therapy in pediatric acute lymphoblastic leukemia. <i>Blood Cancer Journal</i> , <b>2014</b> , 4, e232	7	23
34	First genome-wide association study in an Australian aboriginal population provides insights into genetic risk factors for body mass index and type 2 diabetes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119333	3.7	23
33	Infection Is Associated with Mitochondrial Dysfunction. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 512	5.9	22
32	Vitamin D and allergic airway disease shape the murine lung microbiome in a sex-specific manner. <i>Respiratory Research</i> , <b>2016</b> , 17, 116	7.3	22
31	Predictors of Outcome in Pediatric Osteomyelitis: Five Years Experience in a Single Tertiary Center. <i>Pediatric Infectious Disease Journal</i> , <b>2016</b> , 35, 387-91	3.4	21
30	Identification of suitable endogenous control genes for microRNA expression profiling of childhood medulloblastoma and human neural stem cells. <i>BMC Research Notes</i> , <b>2012</b> , 5, 507	2.3	20
29	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. <i>EBioMedicine</i> , <b>2018</b> , 38, 206-216	8.8	19
28	Reference genotype and exome data from an Australian Aboriginal population for health-based research. <i>Scientific Data</i> , <b>2016</b> , 3, 160023	8.2	18
27	Personalized Transcriptomics Reveals Heterogeneous Immunophenotypes in Children with Viral Bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 1537-1549	10.2	18
26	Coexpression of nuclear receptors and histone methylation modifying genes in the testis: implications for endocrine disruptor modes of action. <i>PLoS ONE</i> , <b>2012</b> , 7, e34158	3.7	17
25	Systematic chemical and molecular profiling of MLL-rearranged infant acute lymphoblastic leukemia reveals efficacy of romidepsin. <i>Leukemia</i> , <b>2017</b> , 31, 40-50	10.7	15
24	Trends in pre-existing mental health disorders among parents of infants born in Western Australia from 1990 to 2005. <i>Medical Journal of Australia</i> , <b>2013</b> , 198, 485-8	4	15
23	Epigenetic dysregulation of host gene expression in Toxoplasma infection with specific reference to dopamine and amyloid pathways. <i>Infection, Genetics and Evolution</i> , <b>2018</b> , 65, 159-162	4.5	12
22	Drug-gene modeling in pediatric T-cell acute lymphoblastic leukemia highlights importance of 6-mercaptopurine for outcome. <i>Cancer Research</i> , <b>2013</b> , 73, 2749-59	10.1	12
21	Expression profiling of Sudanese visceral leishmaniasis patients pre- and post-treatment with sodium stibogluconate. <i>Parasite Immunology</i> , <b>2017</b> , 39, e12431	2.2	10
20	Heterogeneity in mechanisms of emergent resistance in pediatric T-cell acute lymphoblastic leukemia. <i>Oncotarget</i> , <b>2016</b> , 7, 58728-42	3.3	10

19	Assessing the unified airway hypothesis in children via transcriptional profiling of the airway epithelium. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 145, 1562-1573	11.5	9
18	UV Irradiation of Skin Enhances Glycolytic Flux and Reduces Migration Capabilities in Bone Marrow-Differentiated Dendritic Cells. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 2046-2059	5.8	9
17	Critical Role of Plasmacytoid Dendritic Cells in Regulating Gene Expression and Innate Immune Responses to Human Rhinovirus-16. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1351	8.4	9
16	Personalised analytics for rare disease diagnostics. <i>Nature Communications</i> , <b>2019</b> , 10, 5274	17.4	9
15	Aberrant expression of aldehyde dehydrogenase 1A (ALDH1A) subfamily genes in acute lymphoblastic leukaemia is a common feature of T-lineage tumours. <i>British Journal of Haematology</i> , <b>2015</b> , 168, 246-57	4.5	6
14	Pneumococcal responses are similar in Papua New Guinean children aged 3-5 years vaccinated in infancy with pneumococcal polysaccharide vaccine with or without prior pneumococcal conjugate vaccine, or without pneumococcal vaccination. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185877	3.7	4
13	Rewiring of gene networks underlying mite allergen-induced CD4 <sup>+</sup> Th-cell responses during immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 2330-2341	9.3	3
12	Differential Gene Expression of Lymphocytes Stimulated with Rhinovirus A and C in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 202-209	10.2	3
11	Arylsulphatase A Pseudodeficiency (ARSA-PD), hypertension and chronic renal disease in Aboriginal Australians. <i>Scientific Reports</i> , <b>2018</b> , 8, 10912	4.9	3
10	Molecular characterization of identical, novel MLL-EPS15 translocation and individual genomic copy number alterations in monozygotic infant twins with acute lymphoblastic leukemia. <i>Haematologica</i> , <b>2012</b> , 97, 1447-50	6.6	3
9	Adiposity associated DNA methylation signatures in adolescents are related to leptin and perinatal factors. <i>Epigenetics</i> , <b>2021</b> , 1-18	5.7	3
8	Genome-wide association study of IgG1 responses to the choline-binding protein PspC of <i>Streptococcus pneumoniae</i> . <i>Genes and Immunity</i> , <b>2015</b> , 16, 289-96	4.4	2
7	Statistical adjustment of genotyping error in a case-control study of childhood leukaemia. <i>BMC Medical Research Methodology</i> , <b>2012</b> , 12, 141	4.7	2
6	CRISPR single base editing, neuronal disease modelling and functional genomics for genetic variant analysis: pipeline validation using Kleefstra syndrome EHMT1 haploinsufficiency.. <i>Stem Cell Research and Therapy</i> , <b>2022</b> , 13, 69	8.3	2
5	Zika Virus Changes Methylation of Genes Involved in Immune Response and Neural Development in Brazilian Babies Born With Congenital Microcephaly. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 435-440	7	2
4	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: Findings from the Pregnancy and Childhood Epigenetics (PACE) consortium		1
3	Immunoinflammatory responses to febrile lower respiratory infections in infants display uniquely complex/intense transcriptomic profiles. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 1411-1413	11.5	1
2	Common and Rare Genetic Variants That Could Contribute to Severe Otitis Media in an Australian Aboriginal Population. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1860-1870	11.6	0

- 1 Functional validation of variants of unknown significance using CRISPR gene editing and transcriptomics: A Kleefstra syndrome case study.. *Gene*, **2022**, 821, 146287 3.8 ○