

# Andreas Dahl

## List of Publications by Year in descending order

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131  
papers

28,806  
citations

61984

43  
h-index

17592

121  
g-index

150  
all docs

150  
docs citations

150  
times ranked

50104  
citing authors

#	ARTICLE	IF	CITATIONS
1	The variant call format and VCFtools. <i>Bioinformatics</i> , 2011, 27, 2156-2158.	4.1	11,326
2	A map of human genome variation from population-scale sequencing. <i>Nature</i> , 2010, 467, 1061-1073.	27.8	7,209
3	Mapping copy number variation by population-scale genome sequencing. <i>Nature</i> , 2011, 470, 59-65.	27.8	991
4	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. <i>Cell</i> , 2018, 172, 147-161.e12.	28.9	702
5	Diversity of Human Copy Number Variation and Multicopy Genes. <i>Science</i> , 2010, 330, 641-646.	12.6	609
6	Demographic history and rare allele sharing among human populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11983-11988.	7.1	589
7	Variation in genome-wide mutation rates within and between human families. <i>Nature Genetics</i> , 2011, 43, 712-714.	21.4	525
8	Human-specific gene <i>ARHGAP11B</i> promotes basal progenitor amplification and neocortex expansion. <i>Science</i> , 2015, 347, 1465-1470.	12.6	487
9	The axolotl genome and the evolution of key tissue formation regulators. <i>Nature</i> , 2018, 554, 50-55.	27.8	463
10	The 1000 Genomes Project: data management and community access. <i>Nature Methods</i> , 2012, 9, 459-462.	19.0	308
11	Identity-by-descent filtering of exome sequence data identifies PIGV mutations in hyperphosphatasia mental retardation syndrome. <i>Nature Genetics</i> , 2010, 42, 827-829.	21.4	286
12	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. <i>Cell</i> , 2020, 183, 771-785.e12.	28.9	277
13	IGF2BP1 promotes SRF-dependent transcription in cancer in a m6A- and miRNA-dependent manner. <i>Nucleic Acids Research</i> , 2019, 47, 375-390.	14.5	256
14	Transcriptome sequencing during mouse brain development identifies long non-coding RNAs functionally involved in neurogenic commitment. <i>EMBO Journal</i> , 2013, 32, 3145-3160.	7.8	215
15	The genome of <i>Schmidtea mediterranea</i> and the evolution of core cellular mechanisms. <i>Nature</i> , 2018, 554, 56-61.	27.8	191
16	Defective removal of ribonucleotides from DNA promotes systemic autoimmunity. <i>Journal of Clinical Investigation</i> , 2015, 125, 413-424.	8.2	190
17	The Earliest Transcribed Zygotic Genes Are Short, Newly Evolved, and Different across Species. <i>Cell Reports</i> , 2014, 6, 285-292.	6.4	179
18	The functional spectrum of low-frequency coding variation. <i>Genome Biology</i> , 2011, 12, R84.	9.6	173

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19	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015, 17, 719-734.	11.1	152
20	Reactivating head regrowth in a regeneration-deficient planarian species. <i>Nature</i> , 2013, 500, 81-84.	27.8	149
21	Mouse SAMHD1 Has Antiretroviral Activity and Suppresses a Spontaneous Cell-Intrinsic Antiviral Response. <i>Cell Reports</i> , 2013, 4, 689-696.	6.4	139
22	IL4/STAT6 Signaling Activates Neural Stem Cell Proliferation and Neurogenesis upon Amyloid- $\beta$ 242 Aggregation in Adult Zebrafish Brain. <i>Cell Reports</i> , 2016, 17, 941-948.	6.4	136
23	SAMHD1 prevents autoimmunity by maintaining genome stability. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, e17-e17.	0.9	133
24	Systems biology of the IMIDIA biobank from organ donors and pancreatectomised patients defines a novel transcriptomic signature of islets from individuals with type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 641-657.	6.3	131
25	Genome-wide DNA Methylation Events in <i>TPR2</i> Fusion-Negative Prostate Cancers Implicate an EZH2-Dependent Mechanism with <i>miR-26a</i> Hypermethylation. <i>Cancer Discovery</i> , 2012, 2, 1024-1035.	9.4	127
26	3D Culture Method for Alzheimer's Disease Modeling Reveals Interleukin-4 Rescues $\beta$ 242-Induced Loss of Human Neural Stem Cell Plasticity. <i>Developmental Cell</i> , 2018, 46, 85-101.e8.	7.0	118
27	The age and genomic integrity of neurons after cortical stroke in humans. <i>Nature Neuroscience</i> , 2014, 17, 801-803.	14.8	108
28	The histone demethylase UTX regulates stem cell migration and hematopoiesis. <i>Blood</i> , 2013, 121, 2462-2473.	1.4	93
29	Single-Cell Transcriptomics Analyses of Neural Stem Cell Heterogeneity and Contextual Plasticity in a Zebrafish Brain Model of Amyloid Toxicity. <i>Cell Reports</i> , 2019, 27, 1307-1318.e3.	6.4	87
30	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. <i>Nature Metabolism</i> , 2021, 3, 1017-1031.	11.9	76
31	Clonal expansion capacity defines two consecutive developmental stages of long-term hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 209-215.	8.5	75
32	Insm1 Induces Neural Progenitor Delamination in Developing Neocortex via Downregulation of the Adherens Junction Belt-Specific Protein <i>Plekha7</i> . <i>Neuron</i> , 2018, 97, 1299-1314.e8.	8.1	73
33	Loss of hepatic <i>Mboat7</i> leads to liver fibrosis. <i>Gut</i> , 2021, 70, 940-950.	12.1	73
34	Effects of different management regimes on microbial biodiversity in vineyard soils. <i>Scientific Reports</i> , 2018, 8, 9393.	3.3	71
35	Dual redundant sequencing strategy: Full-length gene characterisation of 1056 novel and confirmatory <i>HLA</i> alleles. <i>Hla</i> , 2017, 90, 79-87.	0.6	70
36	Epigenomic map of human liver reveals principles of zonated morphogenic and metabolic control. <i>Nature Communications</i> , 2018, 9, 4150.	12.8	65

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37	Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. Journal of Immunology, 2016, 197, 2157-2166.	0.8	61
38	Single cell sequencing of radial glia progeny reveals diversity of newborn neurons in the adult zebrafish brain. Development (Cambridge), 2020, 147, 1855951.	2.5	60
39	A common framework of monocyte-derived macrophage activation. Science Immunology, 2022, 7, eabl7482.	11.9	58
40	Molecular fungal community and its decomposition activity in sapwood and heartwood of 13 temperate European tree species. PLoS ONE, 2019, 14, e0212120.	2.5	55
41	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. Cell Stem Cell, 2021, 28, 300-314.e6.	11.1	55
42	RNAi profiling of primary human AML cells identifies ROCK1 as a therapeutic target and nominates fasudil as an antileukemic drug. Blood, 2015, 125, 3760-3768.	1.4	53
43	High Diversity in the TCR Repertoire of GAD65 Autoantigen-Specific Human CD4+ T Cells. Journal of Immunology, 2015, 194, 2531-2538.	0.8	51
44	CCND1â€“CDK4â€“mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. Journal of Experimental Medicine, 2015, 212, 1171-1183.	8.5	50
45	Multiplexing clonality: combining RGB marking and genetic barcoding. Nucleic Acids Research, 2014, 42, e56-e56.	14.5	49
46	An Engineered Virus Library as a Resource for the Spectrum-wide Exploration of Virus and Vector Diversity. Cell Reports, 2017, 19, 1698-1709.	6.4	49
47	Regulation of Liver Metabolism by the Endosomal GTPase Rab5. Cell Reports, 2015, 11, 884-892.	6.4	47
48	SETD1A protects HSCs from activation-induced functional decline in vivo. Blood, 2018, 131, 1311-1324.	1.4	47
49	Chromatoid Body Protein TDRD6 Supports Long 3â€™ UTR Triggered Nonsense Mediated mRNA Decay. PLoS Genetics, 2016, 12, e1005857.	3.5	46
50	The histone 3 lysine 4 methyltransferase Setd1b is a maternal effect gene required for the oogenic gene expression program. Development (Cambridge), 2017, 144, 2606-2617.	2.5	44
51	Bacteria inhabiting deadwood of 13 tree species are heterogeneously distributed between sapwood and heartwood. Environmental Microbiology, 2018, 20, 3744-3756.	3.8	44
52	Tox: a multifunctional transcription factor and novel regulator of mammalian corticogenesis. EMBO Journal, 2015, 34, 896-910.	7.8	43
53	Limitations and challenges of genetic barcode quantification. Scientific Reports, 2017, 7, 43249.	3.3	43
54	Odontoblast TRPC5 channels signal cold pain in teeth. Science Advances, 2021, 7, .	10.3	42

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55	Hsp90 inhibition differentially destabilises MAP kinase and TGF-beta signalling components in cancer cells revealed by kinase-targeted chemoproteomics. BMC Cancer, 2012, 12, 38.	2.6	41
56	Aldh1b1 expression defines progenitor cells in the adult pancreas and is required for Kras-induced pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20679-20688.	7.1	41
57	CD8+ T cells specific for the islet autoantigen IGRP are restricted in their T cell receptor chain usage. Scientific Reports, 2017, 7, 44661.	3.3	37
58	Quantitative PCR based expression analysis on a nanoliter scale using polymer nano-well chips. Biomedical Microdevices, 2007, 9, 307-314.	2.8	34
59	Donor cell leukemia: evidence for multiple preleukemic clones and parallel long term clonal evolution in donor and recipient. Leukemia, 2017, 31, 1637-1640.	7.2	34
60	The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. ELife, 2018, 7, .	6.0	34
61	Cre-Controlled CRISPR mutagenesis provides fast and easy conditional gene inactivation in zebrafish. Nature Communications, 2021, 12, 1125.	12.8	29
62	Environmental enrichment preserves a young DNA methylation landscape in the aged mouse hippocampus. Nature Communications, 2021, 12, 3892.	12.8	29
63	Hematopoietic Stem Cells but Not Multipotent Progenitors Drive Erythropoiesis during Chronic Erythroid Stress in EPO Transgenic Mice. Stem Cell Reports, 2018, 10, 1908-1919.	4.8	28
64	The complete and fully assembled genome sequence of Aeromonas salmonicida subsp. pectinolytica and its comparative analysis with other Aeromonas species: investigation of the mobilome in environmental and pathogenic strains. BMC Genomics, 2018, 19, 20.	2.8	28
65	Prospective isolation of nonhematopoietic cells of the niche and their differential molecular interactions with HSCs. Blood, 2019, 134, 1214-1226.	1.4	27
66	Pancreas lineage allocation and specification are regulated by sphingosine-1-phosphate signalling. PLoS Biology, 2017, 15, e2000949.	5.6	27
67	Abundant cytomegalovirus (CMV) reactive clonotypes in the CD8+ T cell receptor alpha repertoire following allogeneic transplantation. Clinical and Experimental Immunology, 2016, 184, 389-402.	2.6	26
68	Kmt2b conveys monovalent and bivalent H3K4me3 in mouse spermatogonial stem cells at germline and embryonic promoters. Development (Cambridge), 2018, 145, .	2.5	26
69	Gene Expression-Based Identification of Antigen-Responsive CD8+ T Cells on a Single-Cell Level. Frontiers in Immunology, 2019, 10, 2568.	4.8	25
70	Continuous mitotic activity of primitive hematopoietic stem cells in adult mice. Journal of Experimental Medicine, 2020, 217, .	8.5	25
71	T cell receptor repertoires after adoptive transfer of expanded allogeneic regulatory T cells. Clinical and Experimental Immunology, 2017, 187, 316-324.	2.6	24
72	Ecophysiology of food-borne pathogens: Essential knowledge to improve food safety. International Journal of Food Microbiology, 2010, 139, S64-S78.	4.7	23

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73	The genome of the tegu lizard <i>Salvator merianae</i> : combining Illumina, PacBio, and optical mapping data to generate a highly contiguous assembly. <i>GigaScience</i> , 2018, 7, .	6.4	23
74	Analysis of 4 Single-Nucleotide Polymorphisms in Relation to Cervical Dysplasia and Cancer Development Using a High-Throughput Ligation-Detection Reaction Procedure. <i>International Journal of Gynecological Cancer</i> , 2011, 21, 1664-1671.	2.5	20
75	Hematopoietic stem cell response to acute thrombocytopenia requires signaling through distinct receptor tyrosine kinases. <i>Blood</i> , 2019, 134, 1046-1058.	1.4	18
76	MLL4 is required after implantation whereas MLL3 becomes essential during late gestation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	18
77	Whole exome sequencing identifies mTOR and KEAP1 as potential targets for radiosensitization of HNSCC cells refractory to EGFR and $\text{I}^21$ integrin inhibition. <i>Oncotarget</i> , 2018, 9, 18099-18114.	1.8	18
78	Convergent and lineage-specific genomic differences in limb regulatory elements in limbless reptile lineages. <i>Cell Reports</i> , 2022, 38, 110280.	6.4	18
79	Aldehyde dehydrogenase activity is necessary for beta cell development and functionality in mice. <i>Diabetologia</i> , 2016, 59, 139-150.	6.3	17
80	Although Abundant in Tumor Tissue, Mast Cells Have No Effect on Immunological Micro-milieu or Growth of HPV-Induced or Transplanted Tumors. <i>Cell Reports</i> , 2018, 22, 27-35.	6.4	17
81	T-cell receptor- $\text{I}\alpha$ repertoire of CD8+ T cells following allogeneic stem cell transplantation using next-generation sequencing. <i>Haematologica</i> , 2019, 104, 622-631.	3.5	16
82	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia in vivo but Not in vitro. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 114.	3.7	16
83	Exosomal miRNAs from Prostate Cancer Impair Osteoblast Function in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1285.	4.1	16
84	Identification and expression patterns of novel long non-coding RNAs in neural progenitors of the developing mammalian cortex. <i>Neurogenesis (Austin, Tex )</i> , 2015, 2, e995524.	1.5	15
85	TDRD6 mediates early steps of spliceosome maturation in primary spermatocytes. <i>PLoS Genetics</i> , 2017, 13, e1006660.	3.5	15
86	Neurotrophin Receptor p75NTR Regulates Immune Function of Plasmacytoid Dendritic Cells. <i>Frontiers in Immunology</i> , 2017, 8, 981.	4.8	14
87	The RNA binding protein human antigen R is a gatekeeper of liver homeostasis. <i>Hepatology</i> , 2022, 75, 881-897.	7.3	14
88	Reactive oligodendrocyte progenitor cells (re-)myelinate the regenerating zebrafish spinal cord. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	13
89	Loss of histone methyltransferase SETD1B in oogenesis results in the redistribution of genomic histone 3 lysine 4 trimethylation. <i>Nucleic Acids Research</i> , 2022, 50, 1993-2004.	14.5	13
90	A smart polymer for sequence-selective binding, pulldown, and release of DNA targets. <i>Communications Biology</i> , 2020, 3, 369.	4.4	12

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91	High-throughput Universal Probe Salmonella Serotyping (UPSS) by nanoPCR. Journal of Microbiological Methods, 2010, 83, 217-223.	1.6	11
92	Primary Spinal OPC Culture System from Adult Zebrafish to Study Oligodendrocyte Differentiation In Vitro. Frontiers in Cellular Neuroscience, 2017, 11, 284.	3.7	11
93	MicroRNA profiling of mouse cortical progenitors and neurons reveals miR-486-5p as a regulator of neurogenesis. Development (Cambridge), 2020, 147, .	2.5	11
94	Zebrafish In-Vivo Screening for Compounds Amplifying Hematopoietic Stem and Progenitor Cells: - Preclinical Validation in Human CD34+ Stem and Progenitor Cells. Scientific Reports, 2017, 7, 12084.	3.3	10
95	Comparative RNAi Screens in Isogenic Human Stem Cells Reveal SMARCA4 as a Differential Regulator. Stem Cell Reports, 2019, 12, 1084-1098.	4.8	10
96	Sequence and expression levels of circular RNAs in progenitor cell types during mouse corticogenesis. Life Science Alliance, 2019, 2, e201900354.	2.8	10
97	Gene-selective transcription promotes the inhibition of tissue reparative macrophages by TNF. Life Science Alliance, 2022, 5, e202101315.	2.8	10
98	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. Journal of Chromatography A, 2004, 1049, 9-16.	3.7	9
99	Clonal Analysis Delineates Transcriptional Programs of Osteogenic and Adipogenic Lineages of Adult Mouse Skeletal Progenitors. Stem Cell Reports, 2018, 11, 212-227.	4.8	9
100	Exome sequencing identifies frequent genomic loss of TET1 in IDH-wild-type glioblastoma. Neoplasia, 2020, 22, 800-808.	5.3	9
101	Deep Learning Improves Pancreatic Cancer Diagnosis Using RNA-Based Variants. Cancers, 2021, 13, 2654.	3.7	9
102	Renin cells with defective GsI±/cAMP signaling contribute to renal endothelial damage. Pflugers Archiv European Journal of Physiology, 2019, 471, 1205-1217.	2.8	8
103	Low Threshold for Cutaneous Allergen Sensitization but No Spontaneous Dermatitis or Atopy in FLG-Deficient Mice. Journal of Investigative Dermatology, 2021, 141, 2611-2619.e2.	0.7	8
104	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Analysis of DNA on Microarrays. Clinical Chemistry, 2006, 52, 1303-1310.	3.2	7
105	Silenced ZNF154 Is Associated with Longer Survival in Resectable Pancreatic Cancer. International Journal of Molecular Sciences, 2019, 20, 5437.	4.1	7
106	Controlling distinct signaling states in cultured cancer cells provides a new platform for drug discovery. FASEB Journal, 2019, 33, 9235-9249.	0.5	7
107	Methylation-specific ligation detection reaction (msLDR): a new approach for multiplex evaluation of methylation patterns. Molecular Genetics and Genomics, 2011, 286, 279-91.	2.1	6
108	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. Journal of Chromatography A, 2004, 1049, 9-16.	3.7	6

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109	Identification of Tox chromatin binding properties and downstream targets by DamID-Seq. Genomics Data, 2016, 7, 264-268.	1.3	5
110	The application of massively parallel sequencing technologies in diagnostics. F1000 Biology Reports, 2010, 2, 59.	4.0	5
111	MLL1 is required for maintenance of intestinal stem cells. PLoS Genetics, 2021, 17, e1009250.	3.5	5
112	Antigen-reactive regulatory T cells can be expanded in vitro with monocytes and anti-CD28 and anti-CD154 antibodies. Cytotherapy, 2020, 22, 629-641.	0.7	4
113	Transcriptional profile of AvrRpt2EA-mediated resistance and susceptibility response to Erwinia amylovora in apple. Scientific Reports, 2021, 11, 8685.	3.3	4
114	A Flexible Multiwell Format for Immunofluorescence Screening Microscopy of Small-Molecule Inhibitors. Assay and Drug Development Technologies, 2010, 8, 571-580.	1.2	3
115	Reproducibility of 10x Genomics single cell RNA sequencing method in the immune cell environment. Journal of Immunological Methods, 2022, 502, 113227.	1.4	3
116	Clonal competition in BcrAbl-driven leukemia: how transplantations can accelerate clonal conversion. Molecular Cancer, 2017, 16, 120.	19.2	2
117	Defective removal of ribonucleotides from DNA promotes systemic lupus erythematosus. Pediatric Rheumatology, 2015, 13, .	2.1	1
118	Assessment of the T cell receptor repertoire in long-term platelet donors by next generation sequencing. British Journal of Haematology, 2018, 181, 389-391.	2.5	1
119	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. Journal of Chromatography A, 2004, 1049, 9-16.	3.7	1
120	Isolation of macrophages from mouse skin wounds for single-cell RNA sequencing. STAR Protocols, 2022, 3, 101337.	1.2	1
121	MsLDR-creator: a web service to design msLDR assays. Molecular Genetics and Genomics, 2012, 287, 273-274.	2.1	0
122	PW02-026 - Low frequency variants of NLRP3 in CAPS patients. Pediatric Rheumatology, 2013, 11, A167.	2.1	0
123	Assessment of clonality in BcrAbl-induced leukaemia by genetic barcodes. Experimental Hematology, 2014, 42, S29.	0.4	0
124	Improving the design of viral barcodes for optimal bioinformatical analysis. Experimental Hematology, 2014, 42, S35.	0.4	0
125	Detection of low frequency variants of the NLRP3 gene in "œmutation- negative" CAPS patients using massive parallel sequencing. Pediatric Rheumatology, 2015, 13, .	2.1	0
126	Regulatory T cell kinetics following adoptive transfer of expanded allogeneic regulatory T cells into patients with chronic graft-versus host disease. Cytotherapy, 2017, 19, S11.	0.7	0



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127	Understanding the role of Mboat7 in liver disease. Zeitschrift Fur Gastroenterologie, 2021, 59, .	0.5	0
128	CCND1â€“CDK4â€“mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. Journal of Cell Biology, 2015, 210, 2102OIA144.	5.2	0
129	Analyses of clonality of BcrAbl-induced leukemia by Genetic Barcodes. , 2017, 229, .		0
130	The RNA binding protein HuR is a master regulator of hepatic-lipid homeostasis. , 2019, 57, .		0
131	Der Verlust von intestinal epithelialem SETDB1 fÃ¼hrt zu fehlender Repression endogener Retroviren, GenotoxizitÄt und intestinaler EntzÃ¼ndung. Zeitschrift Fur Gastroenterologie, 2020, 58, .	0.5	0