

Andreas Dahl

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126
papers

19,499
citations

38
h-index

139
g-index

150
ext. papers

25,549
ext. citations

11.6
avg, IF

6.15
L-index

#	Paper	IF	Citations
126	The variant call format and VCFtools. <i>Bioinformatics</i> , 2011 , 27, 2156-8	7.2	6200
125	A map of human genome variation from population-scale sequencing. <i>Nature</i> , 2010 , 467, 1061-73	50.4	6142
124	Mapping copy number variation by population-scale genome sequencing. <i>Nature</i> , 2011 , 470, 59-65	50.4	833
123	Diversity of human copy number variation and multicopy genes. <i>Science</i> , 2010 , 330, 641-6	33.3	491
122	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, 11983-8	11.5	455
121	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. <i>Cell</i> , 2018 , 172, 147-161.e12	56.2	417
120	Variation in genome-wide mutation rates within and between human families. <i>Nature Genetics</i> , 2011 , 43, 712-4	36.3	404
119	Human-specific gene ARHGAP11B promotes basal progenitor amplification and neocortex expansion. <i>Science</i> , 2015 , 347, 1465-70	33.3	347
118	The axolotl genome and the evolution of key tissue formation regulators. <i>Nature</i> , 2018 , 554, 50-55	50.4	279
117	Identity-by-descent filtering of exome sequence data identifies PIGV mutations in hyperphosphatasia mental retardation syndrome. <i>Nature Genetics</i> , 2010 , 42, 827-9	36.3	250
116	The 1000 Genomes Project: data management and community access. <i>Nature Methods</i> , 2012 , 9, 459-62	21.6	202
115	Transcriptome sequencing during mouse brain development identifies long non-coding RNAs functionally involved in neurogenic commitment. <i>EMBO Journal</i> , 2013 , 32, 3145-60	13	163
114	The functional spectrum of low-frequency coding variation. <i>Genome Biology</i> , 2011 , 12, R84	18.3	161
113	IGF2BP1 promotes SRF-dependent transcription in cancer in a m6A- and miRNA-dependent manner. <i>Nucleic Acids Research</i> , 2019 , 47, 375-390	20.1	153
112	Defective removal of ribonucleotides from DNA promotes systemic autoimmunity. <i>Journal of Clinical Investigation</i> , 2015 , 125, 413-24	15.9	139
111	Reactivating head regrowth in a regeneration-deficient planarian species. <i>Nature</i> , 2013 , 500, 81-4	50.4	121
110	The earliest transcribed zygotic genes are short, newly evolved, and different across species. <i>Cell Reports</i> , 2014 , 6, 285-92	10.6	121

109	The genome of <i>Schmidtea mediterranea</i> and the evolution of core cellular mechanisms. <i>Nature</i> , 2018 , 554, 56-61	50.4	113
108	Mouse SAMHD1 has antiretroviral activity and suppresses a spontaneous cell-intrinsic antiviral response. <i>Cell Reports</i> , 2013 , 4, 689-96	10.6	113
107	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015 , 17, 719-734	18	111
106	Genome-wide DNA methylation events in TMPRSS2-ERG fusion-negative prostate cancers implicate an EZH2-dependent mechanism with miR-26a hypermethylation. <i>Cancer Discovery</i> , 2012 , 2, 1024-35	24.4	107
105	SAMHD1 prevents autoimmunity by maintaining genome stability. <i>Annals of the Rheumatic Diseases</i> , 2015 , 74, e17	2.4	103
104	The age and genomic integrity of neurons after cortical stroke in humans. <i>Nature Neuroscience</i> , 2014 , 17, 801-3	25.5	88
103	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. <i>Cell</i> , 2020 , 183, 771-785.e12	56.2	86
102	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	10.3	84
101	The histone demethylase UTX regulates stem cell migration and hematopoiesis. <i>Blood</i> , 2013 , 121, 2462-73		80
100	Detection of low frequency variants of the NLRP3 gene in mutation-negative CAPS patients using massive parallel sequencing. <i>Pediatric Rheumatology</i> , 2015 , 13,	3.5	78
99	PW02-026 - Low frequency variants of NLRP3 in CAPS patients. <i>Pediatric Rheumatology</i> , 2013 , 11, A167	3.5	78
98	IL4/STAT6 Signaling Activates Neural Stem Cell Proliferation and Neurogenesis upon Amyloid- β Aggregation in Adult Zebrafish Brain. <i>Cell Reports</i> , 2016 , 17, 941-948	10.6	77
97	3D Culture Method for Alzheimer's Disease Modeling Reveals Interleukin-4 Rescues A β 2-Induced Loss of Human Neural Stem Cell Plasticity. <i>Developmental Cell</i> , 2018 , 46, 85-101.e8	10.2	69
96	Clonal expansion capacity defines two consecutive developmental stages of long-term hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2014 , 211, 209-15	16.6	63
95	Insm1 Induces Neural Progenitor Delamination in Developing Neocortex via Downregulation of the Adherens Junction Belt-Specific Protein Plekha7. <i>Neuron</i> , 2018 , 97, 1299-1314.e8	13.9	49
94	Effects of different management regimes on microbial biodiversity in vineyard soils. <i>Scientific Reports</i> , 2018 , 8, 9393	4.9	48
93	Dual redundant sequencing strategy: Full-length gene characterisation of 1056 novel and confirmatory HLA alleles. <i>Hla</i> , 2017 , 90, 79-87	1.9	47
92	Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. <i>Journal of Immunology</i> , 2016 , 197, 2157-66	5.3	43

91	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	10.6	42
90	RNAi profiling of primary human AML cells identifies ROCK1 as a therapeutic target and nominates fasudil as an antileukemic drug. <i>Blood</i> , 2015 , 125, 3760-8	2.2	41
89	Multiplexing clonality: combining RGB marking and genetic barcoding. <i>Nucleic Acids Research</i> , 2014 , 42, e56	20.1	39
88	High diversity in the TCR repertoire of GAD65 autoantigen-specific human CD4+ T cells. <i>Journal of Immunology</i> , 2015 , 194, 2531-8	5.3	37
87	Epigenomic map of human liver reveals principles of zoned morphogenic and metabolic control. <i>Nature Communications</i> , 2018 , 9, 4150	17.4	37
86	, encoding a histone 3 lysine 4 methyltransferase, is a maternal effect gene required for the oogenic gene expression program. <i>Development (Cambridge)</i> , 2017 , 144, 2606-2617	6.6	36
85	Hsp90 inhibition differentially destabilises MAP kinase and TGF-beta signalling components in cancer cells revealed by kinase-targeted chemoproteomics. <i>BMC Cancer</i> , 2012 , 12, 38	4.8	36
84	Loss of hepatic Mboat7 leads to liver fibrosis. <i>Gut</i> , 2021 , 70, 940-950	19.2	35
83	Molecular fungal community and its decomposition activity in sapwood and heartwood of 13 temperate European tree species. <i>PLoS ONE</i> , 2019 , 14, e0212120	3.7	32
82	CCND1-CDK4-mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1171-83	16.6	32
81	Regulation of liver metabolism by the endosomal GTPase Rab5. <i>Cell Reports</i> , 2015 , 11, 884-892	10.6	32
80	Chromatoid Body Protein TDRD6 Supports Long 3' UTR Triggered Nonsense Mediated mRNA Decay. <i>PLoS Genetics</i> , 2016 , 12, e1005857	6	32
79	An Engineered Virus Library as a Resource for the Spectrum-wide Exploration of Virus and Vector Diversity. <i>Cell Reports</i> , 2017 , 19, 1698-1709	10.6	30
78	Tox: a multifunctional transcription factor and novel regulator of mammalian corticogenesis. <i>EMBO Journal</i> , 2015 , 34, 896-910	13	28
77	Quantitative PCR based expression analysis on a nanoliter scale using polymer nano-well chips. <i>Biomedical Microdevices</i> , 2007 , 9, 307-14	3.7	28
76	Single cell sequencing of radial glia progeny reveals the diversity of newborn neurons in the adult zebrafish brain. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	27
75	SETD1A protects HSCs from activation-induced functional decline in vivo. <i>Blood</i> , 2018 , 131, 1311-1324	2.2	27
74	Bacteria inhabiting deadwood of 13 tree species are heterogeneously distributed between sapwood and heartwood. <i>Environmental Microbiology</i> , 2018 , 20, 3744-3756	5.2	26

73	Limitations and challenges of genetic barcode quantification. <i>Scientific Reports</i> , 2017 , 7, 43249	4.9	25
72	Aldh1b1 expression defines progenitor cells in the adult pancreas and is required for Kras-induced pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20679-20688	11.5	25
71	Donor cell leukemia: evidence for multiple preleukemic clones and parallel long term clonal evolution in donor and recipient. <i>Leukemia</i> , 2017 , 31, 1637-1640	10.7	24
70	Abundant cytomegalovirus (CMV) reactive clonotypes in the CD8(+) T cell receptor alpha repertoire following allogeneic transplantation. <i>Clinical and Experimental Immunology</i> , 2016 , 184, 389-402	6.2	20
69	Pancreas lineage allocation and specification are regulated by sphingosine-1-phosphate signalling. <i>PLoS Biology</i> , 2017 , 15, e2000949	9.7	20
68	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. <i>Cell Stem Cell</i> , 2021 , 28, 300-314.e6	18	20
67	Prospective isolation of nonhematopoietic cells of the niche and their differential molecular interactions with HSCs. <i>Blood</i> , 2019 , 134, 1214-1226	2.2	18
66	Ecophysiology of food-borne pathogens: Essential knowledge to improve food safety. <i>International Journal of Food Microbiology</i> , 2010 , 139 Suppl 1, S64-78	5.8	18
65	The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. <i>ELife</i> , 2018 , 7,	8.9	17
64	T cell receptor repertoires after adoptive transfer of expanded allogeneic regulatory T cells. <i>Clinical and Experimental Immunology</i> , 2017 , 187, 316-324	6.2	16
63	The complete and fully assembled genome sequence of <i>Aeromonas salmonicida</i> subsp. <i>pectinolytica</i> and its comparative analysis with other <i>Aeromonas</i> species: investigation of the mobilome in environmental and pathogenic strains. <i>BMC Genomics</i> , 2018 , 19, 20	4.5	15
62	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,	7.6	15
61	CD8 T cells specific for the islet autoantigen IGRP are restricted in their T cell receptor chain usage. <i>Scientific Reports</i> , 2017 , 7, 44661	4.9	14
60	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, 1664-71	3.5	14
59	T-cell receptor repertoire of CD8+ T cells following allogeneic stem cell transplantation using next-generation sequencing. <i>Haematologica</i> , 2019 , 104, 622-631	6.6	14
58	Cre-Controlled CRISPR mutagenesis provides fast and easy conditional gene inactivation in zebrafish. <i>Nature Communications</i> , 2021 , 12, 1125	17.4	14
57	Kmt2b conveys monovalent and bivalent H3K4me3 in mouse spermatogonial stem cells at germline and embryonic promoters. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	14
56	Hematopoietic Stem Cells but Not Multipotent Progenitors Drive Erythropoiesis during Chronic Erythroid Stress in EPO Transgenic Mice. <i>Stem Cell Reports</i> , 2018 , 10, 1908-1919	8	14

55	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	14.6	13
54	Gene Expression-Based Identification of Antigen-Responsive CD8 T Cells on a Single-Cell Level. <i>Frontiers in Immunology</i> , 2019 , 10, 2568	8.4	12
53	TDRD6 mediates early steps of spliceosome maturation in primary spermatocytes. <i>PLoS Genetics</i> , 2017 , 13, e1006660	6	12
52	Continuous mitotic activity of primitive hematopoietic stem cells in adult mice. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	12
51	Odontoblast TRPC5 channels signal cold pain in teeth. <i>Science Advances</i> , 2021 , 7,	14.3	12
50	Whole exome sequencing identifies mTOR and KEAP1 as potential targets for radiosensitization of HNSCC cells refractory to EGFR and α integrin inhibition. <i>Oncotarget</i> , 2018 , 9, 18099-18114	3.3	11
49	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	10.6	10
48	Primary Spinal OPC Culture System from Adult Zebrafish to Study Oligodendrocyte Differentiation. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 284	6.1	10
47	Aldehyde dehydrogenase activity is necessary for beta cell development and functionality in mice. <i>Diabetologia</i> , 2016 , 59, 139-150	10.3	9
46	Zebrafish In-Vivo Screening for Compounds Amplifying Hematopoietic Stem and Progenitor Cells: - Preclinical Validation in Human CD34+ Stem and Progenitor Cells. <i>Scientific Reports</i> , 2017 , 7, 12084	4.9	9
45	Neurotrophin Receptor p75NTR Regulates Immune Function of Plasmacytoid Dendritic Cells. <i>Frontiers in Immunology</i> , 2017 , 8, 981	8.4	9
44	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		9
43	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia but Not. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 114	5.7	8
42	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. <i>Journal of Chromatography A</i> , 2004 , 1049, 9-16	4.5	8
41	Hematopoietic stem cell response to acute thrombocytopenia requires signaling through distinct receptor tyrosine kinases. <i>Blood</i> , 2019 , 134, 1046-1058	2.2	7
40	Reactive oligodendrocyte progenitor cells (re-)myelinate the regenerating zebrafish spinal cord. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	7
39	High-throughput Universal Probe Salmonella Serotyping (UPSS) by nanoPCR. <i>Journal of Microbiological Methods</i> , 2010 , 83, 217-23	2.8	7
38	Methylation-specific ligation detection reaction (msLDR): a new approach for multiplex evaluation of methylation patterns. <i>Molecular Genetics and Genomics</i> , 2011 , 286, 279-91	3.1	6

37	Matrix-assisted laser desorption/ionization mass spectrometric analysis of DNA on microarrays. <i>Clinical Chemistry</i> , 2006 , 52, 1303-10	5.5	6
36	MLL4 is required after implantation, whereas MLL3 becomes essential during late gestation. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	6
35	Environmental enrichment preserves a young DNA methylation landscape in the aged mouse hippocampus. <i>Nature Communications</i> , 2021 , 12, 3892	17.4	6
34	Comparative RNAi Screens in Isogenic Human Stem Cells Reveal SMARCA4 as a Differential Regulator. <i>Stem Cell Reports</i> , 2019 , 12, 1084-1098	8	5
33	Sequence and expression levels of circular RNAs in progenitor cell types during mouse corticogenesis. <i>Life Science Alliance</i> , 2019 , 2,	5.8	5
32	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 2004 , 1049, 9-9		5
31	Instructive starPEG-Heparin biohybrid 3D cultures for modeling human neural stem cell plasticity, neurogenesis, and neurodegeneration		5
30	Clonal Analysis Delineates Transcriptional Programs of Osteogenic and Adipogenic Lineages of Adult Mouse Skeletal Progenitors. <i>Stem Cell Reports</i> , 2018 , 11, 212-227	8	5
29	A smart polymer for sequence-selective binding, pulldown, and release of DNA targets. <i>Communications Biology</i> , 2020 , 3, 369	6.7	4
28	Identification of Tox chromatin binding properties and downstream targets by DamID-Seq. <i>Genomics Data</i> , 2016 , 7, 264-8		4
27	Renin cells with defective Gs β cAMP signaling contribute to renal endothelial damage. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 1205-1217	4.6	4
26	The application of massively parallel sequencing technologies in diagnostics. <i>F1000 Biology Reports</i> , 2010 , 2, 59		4
25	Controlling distinct signaling states in cultured cancer cells provides a new platform for drug discovery. <i>FASEB Journal</i> , 2019 , 33, 9235-9249	0.9	3
24	Silenced ZNF154 Is Associated with Longer Survival in Resectable Pancreatic Cancer. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
23	A common framework of monocyte-derived macrophage activation.. <i>Science Immunology</i> , 2022 , 7, eabl7482		3
22	A flexible multiwell format for immunofluorescence screening microscopy of small-molecule inhibitors. <i>Assay and Drug Development Technologies</i> , 2010 , 8, 571-80	2.1	2
21	Loss of histone methyltransferase SETD1B in oogenesis results in the redistribution of genomic histone 3 lysine 4 trimethylation.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	2
20	Redox potential defines functional states of adult hippocampal stem cells		2

19	Antigen-reactive regulatory T cells can be expanded in vitro with monocytes and anti-CD28 and anti-CD154 antibodies. <i>Cytotherapy</i> , 2020 , 22, 629-641	4.8	2
18	Low Threshold for Cutaneous Allergen Sensitization but No Spontaneous Dermatitis or Atopy in FLG-Deficient Mice. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 2611-2619.e2	4.3	2
17	Deep Learning Improves Pancreatic Cancer Diagnosis Using RNA-Based Variants. <i>Cancers</i> , 2021 , 13,	6.6	2
16	MicroRNA profiling of mouse cortical progenitors and neurons reveals miR-486-5p as a regulator of neurogenesis. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	2
15	The RNA binding protein human antigen R is a gatekeeper of liver homeostasis. <i>Hepatology</i> , 2021 ,	11.2	2
14	Exome sequencing identifies frequent genomic loss of TET1 in IDH-wild-type glioblastoma. <i>Neoplasia</i> , 2020 , 22, 800-808	6.4	1
13	Assessment of the T cell receptor repertoire in long-term platelet donors by next generation sequencing. <i>British Journal of Haematology</i> , 2018 , 181, 389-391	4.5	1
12	Clonal competition in BcrAbl-driven leukemia: how transplantations can accelerate clonal conversion. <i>Molecular Cancer</i> , 2017 , 16, 120	42.1	1
11	Convergent and lineage-specific genomic differences in limb regulatory elements in limbless reptile lineages.. <i>Cell Reports</i> , 2022 , 38, 110280	10.6	1
10	Reproducibility of 10x Genomics single cell RNA sequencing method in the immune cell environment.. <i>Journal of Immunological Methods</i> , 2022 , 502, 113227	2.5	1
9	A smart polymer for sequence-selective binding, pulldown, and release of DNA targets		1
8	Proliferative behavior of hematopoietic stem cells revisited: No evidence for mitotic memory		1
7	Loss of SETD1B results in the redistribution of genomic H3K4me3 in the oocyte		1
6	Transcriptional profile of AvrRpt2-mediated resistance and susceptibility response to <i>Erwinia amylovora</i> in apple. <i>Scientific Reports</i> , 2021 , 11, 8685	4.9	1
5	MLL1 is required for maintenance of intestinal stem cells. <i>PLoS Genetics</i> , 2021 , 17, e1009250	6	0
4	MsLDR-creator: a web service to design msLDR assays. <i>Molecular Genetics and Genomics</i> , 2012 , 287, 273-4.1		
3	CCND1/CDK4-mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. <i>Journal of Cell Biology</i> , 2015 , 210, 210201A144	7.3	
2	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. <i>Journal of Chromatography A</i> , 2004 , 1049, 9-16	4.5	

1 Isolation of macrophages from mouse skin wounds for single-cell RNA sequencing.. *STAR Protocols*, **2022**, 3, 101337 1.4