Valur Emilsson

List of Publications by Year
in descending order

81 papers	27,958 citations	38720 50 h-index	58549 82 g-index
91 all docs	91 docs citations	91 times ranked	37508 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	13.7	3,823
2	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. Nature Genetics, 2006, 38, 320-323.	9.4	2,005
3	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. Nature, 2011, 478, 103-109.	13.7	1,855
4	Gene discovery and polygenic prediction from a genome-wide association study of educational attainment in 1.1 million individuals. Nature Genetics, 2018, 50, 1112-1121.	9.4	1,835
5	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. Nature Genetics, 2012, 44, 981-990.	9.4	1,748
6	Integrated Systems Approach Identifies Genetic Nodes and Networks in Late-Onset Alzheimerâ€™s Disease. Cell, 2013, 153, 707-720.	13.5	1,505
7	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	13.7	1,328
8	Genetics of gene expression and its effect on disease. Nature, 2008, 452, 423-428.	13.7	1,209
9	Genome-wide association study identifies 74 loci associated with educational attainment. Nature, 2016, 533, 539-542.	13.7	1,204
10	A variant in CDKAL1 influences insulin response and risk of type 2 diabetes. Nature Genetics, 2007, 39, 770-775.	9.4	966
11	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. Nature Genetics, 2014, 46, 234-244.	9.4	959
12	Variations in DNA elucidate molecular networks that cause disease. Nature, 2008, 452, 429-435.	13.7	840
13	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384.	9.4	783
14	Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences. Nature Genetics, 2019, 51, 245-257.	9.4	536
15	Refining the impact of TCF7L2 gene variants on type 2 diabetes and adaptive evolution. Nature Genetics, 2007, 39, 218-225.	9.4	485
16	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. Nature Genetics, 2010, 42, 1077-1085.	9.4	445
17	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. Nature Communications, 2016, 7, 10023.	5.8	412
18	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. Nature Genetics, 2011, 43, 1005-1011.	9.4	403

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19	Co-regulatory networks of human serum proteins link genetics to disease. Science, 2018, 361, 769-773.	6.0	375
20	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. Nature Genetics, 2012, 44, 260-268.	9.4	303
21	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	9.4	281
22	A novel Alzheimer disease locus located near the gene encoding tau protein. Molecular Psychiatry, 2016, 21, 108-117.	4.1	260
23	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13790-13794.	3.3	244
24	Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. Nature Communications, 2014, 5, 5068.	5.8	216
25	Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals. Nature Genetics, 2022, 54, 437-449.	9.4	215
26	Genome-wide meta-analysis of observational studies shows common genetic variants associated with macronutrient intake. American Journal of Clinical Nutrition, 2013, 97, 1395-1402.	2.2	210
27	Leptin Action in Intestinal Cells. Journal of Biological Chemistry, 1998, 273, 26194-26201.	1.6	204
28	Common dysregulation network in the human prefrontal cortex underlies two neurodegenerative diseases. Molecular Systems Biology, 2014, 10, 743.	3.2	182
29	Localization of a Susceptibility Gene for Type 2 Diabetes to Chromosome 5q34â€“q35.2. American Journal of Human Genetics, 2003, 73, 323-335.	2.6	177
30	Convergent genetic and expression data implicate immunity in Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 658-671.	0.4	173
31	Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. Human Molecular Genetics, 2011, 20, 2273-2284.	1.4	168
32	The Association of a SNP Upstream of INSIG2 with Body Mass Index is Reproduced in Several but Not All Cohorts. PLoS Genetics, 2007, 3, e61.	1.5	134
33	On the Replication of Genetic Associations: Timing Can Be Everything!. American Journal of Human Genetics, 2008, 82, 849-858.	2.6	130
34	Leptin Inhibits Insulin Secretion and Reduces Insulin mRNA Levels in Rat Isolated Pancreatic Islets. Biochemical and Biophysical Research Communications, 1997, 238, 267-270.	1.0	115
35	Genetic variants linked to education predict longevity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13366-13371.	3.3	110
36	The Arrestin Domain-Containing 3 Protein Regulates Body Mass and Energy Expenditure. Cell Metabolism, 2011, 14, 671-683.	7.2	108

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37	A Meta-analysis of Gene Expression Signatures of Blood Pressure and Hypertension. PLoS Genetics, 2015, 11, e1005035.	1.5	107
38	Common genetic variation at the IL1RL1 locus regulates IL-33/ST2 signaling. Journal of Clinical Investigation, 2013, 123, 4208-4218.	3.9	101
39	Diurnal variation of the human adipose transcriptome and the link to metabolic disease. BMC Medical Genomics, 2009, 2, 7.	0.7	93
40	Causal Effect of Plasminogen Activator Inhibitor Type 1 on Coronary Heart Disease. Journal of the American Heart Association, 2017, 6, .	1.6	89
41	Genetic Associations for Activated Partial Thromboplastin Time and Prothrombin Time, their Gene Expression Profiles, and Risk of Coronary Artery Disease. American Journal of Human Genetics, 2012, 91, 152-162.	2.6	85
42	Leptin treatment increases suppressors of cytokine signaling in central and peripheral tissues. FEBS Letters, 1999, 455, 170-174.	1.3	80
43	A genome-wide association study of serum proteins reveals shared loci with common diseases. Nature Communications, 2022, 13, 480.	5.8	79
44	Leptin inhibits glycogen synthesis in the isolated soleus muscle of obese (ob/ob) mice. FEBS Letters, 1997, 411, 351-355.	1.3	72
45	Large-scale plasma proteomic analysis identifies proteins and pathways associated with dementia risk. Nature Aging, 2021, 1, 473-489.	5.3	69
46	Predictive Genes in Adjacent Normal Tissue Are Preferentially Altered by sCNV during Tumorigenesis in Liver Cancer and May Rate Limiting. PLoS ONE, 2011, 6, e20090.	1.1	68
47	Rat Insulinoma-Derived Pancreatic Î²-cells Express a Functional Leptin Receptor That Mediates a Proliferative Response. Biochemical and Biophysical Research Communications, 1997, 238, 851-855.	1.0	65
48	Circulating Protein Signatures and Causal Candidates for Type 2 Diabetes. Diabetes, 2020, 69, 1843-1853.	0.3	64
49	Growth-rate-dependent Accumulation of Twelve tRNA Species in Escherichia coli. Journal of Molecular Biology, 1993, 230, 483-491.	2.0	59
50	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. Nature Medicine, 2016, 22, 771-779.	15.2	57
51	Leptin signalling in pancreatic islets and clonal insulin-secreting cells. Journal of Molecular Endocrinology, 1999, 22, 173-184.	1.1	56
52	Characterizing Dynamic Changes in the Human Blood Transcriptional Network. PLoS Computational Biology, 2010, 6, e1000671.	1.5	54
53	Fetal pancreatic islets express functional leptin receptors and leptin stimulates proliferation of fetal islet cells. International Journal of Obesity, 2000, 24, 1246-1253.	1.6	53
54	The effects of rexinoids and rosiglitazone on body weight and uncoupling protein isoform expression in the Zucker fa/fa rat. Metabolism: Clinical and Experimental, 2000, 49, 1610-1615.	1.5	51

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55	Synthesis of 53 tissue and cell line expression QTL datasets reveals master eQTLs. BMC Genomics, 2014, 15, 532.	1.2	49
56	PLD3 variants in population studies. Nature, 2015, 520, E2-E3.	13.7	49
57	Genome-Wide Association of Pericardial Fat Identifies a Unique Locus for Ectopic Fat. PLoS Genetics, 2012, 8, e1002705.	1.5	48
58	Rare Functional Variant in TM2D3 is Associated with Late-Onset Alzheimer's Disease. PLoS Genetics, 2016, 12, e1006327.	1.5	47
59	The Effects of the Î²3-Adrenoceptor Agonist BRL 35135 on UCP Isoform mRNA Expression. Biochemical and Biophysical Research Communications, 1998, 252, 450-454.	1.0	45
60	The effect of food intake on gene expression in human peripheral blood. Human Molecular Genetics, 2010, 19, 159-169.	1.4	44
61	Thiolation of transfer RNA inEscherichia colivaries with growth rate. Nucleic Acids Research, 1992, 20, 4499-4505.	6.5	43
62	Metaâ€analysis on blood transcriptomic studies identifies consistently coexpressed proteinâ€“protein interaction modules as robust markers of human aging. Aging Cell, 2014, 13, 216-225.	3.0	42
63	Improvement of myocardial infarction risk prediction via inflammation-associated metabolite biomarkers. Heart, 2017, 103, 1278-1285.	1.2	38
64	Itâ€™s in Our Blood: A Glimpse of Personalized Medicine. Trends in Molecular Medicine, 2021, 27, 20-30.	3.5	26
65	A proteome-wide genetic investigation identifies several SARS-CoV-2-exploited host targets of clinical relevance. ELife, 2021, 10, .	2.8	23
66	Factor for Inversion Stimulation-dependent Growth Rate Regulation of Serine and Threonine tRNA Species. Journal of Biological Chemistry, 1995, 270, 16610-16614.	1.6	20
67	Serum levels of ACE2 are higher in patients with obesity and diabetes. Obesity Science and Practice, 2021, 7, 239-243.	1.0	20
68	Peripheral metabolic actions of leptin. Proceedings of the Nutrition Society, 1998, 57, 449-453.	0.4	18
69	Interleukin-1Î² activates a short STAT-3 isoform in clonal insulin-secreting cells. FEBS Letters, 1999, 442, 57-60.	1.3	18
70	Integrated Human Evaluation of the Lysophosphatidic Acid Pathway as a Novel Therapeutic Target in Atherosclerosis. Molecular Therapy - Methods and Clinical Development, 2018, 10, 17-28.	1.8	18
71	Coding and regulatory variants are associated with serum protein levels and disease. Nature Communications, 2022, 13, 481.	5.8	18
72	Hexosamines and Nutrient Excess Induce Leptin Production and Leptin Receptor Activation in Pancreatic Islets and ClonalÎ² -Cells. Endocrinology, 2001, 142, 4414-4419.	1.4	17

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73	A proteogenomic signature of age-related macular degeneration in blood. Nature Communications, 2022, 13, .	5.8	14
74	Predicting health and life span with the deep plasma proteome. Nature Medicine, 2019, 25, 1815-1816.	15.2	12
75	Characterization of Genetic Networks Associated with Alzheimerâ€™s Disease. Methods in Molecular Biology, 2016, 1303, 459-477.	0.4	11
76	Dissecting Cis Regulation of Gene Expression in Human Metabolic Tissues. PLoS ONE, 2011, 6, e23480.	1.1	10
77	Oncostatin M reduces atherosclerosis development in APOE*3Leiden.CETP mice and is associated with increased survival probability in humans. PLoS ONE, 2019, 14, e0221477.	1.1	10
78	Growth rate dependence of global amino acid composition. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1050, 248-251.	2.4	6
79	Human cystatin C expression and regulation by TGF-Î²1: Implications for the pathogenesis of hereditary cystatin C amyloid angiopathy causing brain hemorrhage. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1996, 3, 110-118.	1.4	6
80	Proteomic Analysis Identifies Circulating Proteins Associated With Plasma Amyloid-Î² and Incident Dementia. Biological Psychiatry Global Open Science, 2023, 3, 490-499.	1.0	5
81	Molecular screening of familial hypercholesterolemia in Icelanders. Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 508-514.	0.6	3