Rafn Benediktsson

List of Publications by Year
in descending order

74 papers	20,466 citations	70961 41 h-index	66788 78 g-index
88 all docs	88 docs citations	88 times ranked	24693 citing authors

#	Article	IF	Citations
1	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
2	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. Nature Genetics, 2010, 42, 105-116.	9.4	1,982
3	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
4	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. Nature Genetics, 2010, 42, 579-589.	9.4	1,631
5	A variant in CDKAL1 influences insulin response and risk of type 2 diabetes. Nature Genetics, 2007, 39, 770-775.	9.4	966
6	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
7	Glucocorticoid exposure in utero: new model for adult hypertension. Lancet, The, 1993, 341, 339-341.	6.3	822
8	Genome-Wide Association Analysis Identifies Variants Associated with Nonalcoholic Fatty Liver Disease That Have Distinct Effects on Metabolic Traits. PLoS Genetics, 2011, 7, e1001324.	1.5	796
9	Two variants on chromosome 17 confer prostate cancer risk, and the one in TCF2 protects against type 2 diabetes. Nature Genetics, 2007, 39, 977-983.	9.4	670
10	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. Nature Genetics, 2008, 40, 217-224.	9.4	668
11	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. Diabetes, 2017, 66, 2888-2902.	0.3	615
12	Dysfunction of placental glucocorticoid barrier: link between fetal environment and adult hypertension?. Lancet, The, 1993, 341, 355-357.	6.3	548
13	Parental origin of sequence variants associated with complex diseases. Nature, 2009, 462, 868-874.	13.7	521
14	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. Nature Genetics, 2011, 43, 1131-1138.	9.4	501
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	Placental 11Î²-hydroxysteroid dehydrogenase: a key regulator of fetal glucocorticoid exposure. Clinical Endocrinology, 1997, 46, 161-166.	1.2	474
17	Loss-of-function mutations in SLC30A8 protect against type 2 diabetes. Nature Genetics, 2014, 46, 357-363.	9.4	428
18	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. PLoS Genetics, 2012, 8, e1002607.	1.5	419

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19	Protein intake in pregnancy, placental glucocorticoid metabolism and the programming of hypertension in the rat. Placenta, 1996, 17, 169-172.	0.7	393
20	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. Nature Genetics, 2015, 47, 1415-1425.	9.4	365
21	Genome-Wide Association Identifies Nine Common Variants Associated With Fasting Proinsulin Levels and Provides New Insights Into the Pathophysiology of Type 2 Diabetes. Diabetes, 2011, 60, 2624-2634.	0.3	335
22	Identification of low-frequency and rare sequence variants associated with elevated or reduced risk of type 2 diabetes. Nature Genetics, 2014, 46, 294-298.	9.4	294
23	The epidemiology of pituitary adenomas in Iceland, 1955â€“2012: a nationwide population-based study. European Journal of Endocrinology, 2015, 173, 655-664.	1.9	255
24	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. PLoS ONE, 2012, 7, e29202.	1.1	197
25	Meta-Analysis of Genome-Wide Association Studies in African Americans Provides Insights into the Genetic Architecture of Type 2 Diabetes. PLoS Genetics, 2014, 10, e1004517.	1.5	191
26	Stratifying Type 2 Diabetes Cases by BMI Identifies Genetic Risk Variants in LAMA1 and Enrichment for Risk Variants in Lean Compared to Obese Cases. PLoS Genetics, 2012, 8, e1002741.	1.5	190
27	Abdominal Aortic Aneurysm Is Associated with a Variant in Low-Density Lipoprotein Receptor-Related Protein 1. American Journal of Human Genetics, 2011, 89, 619-627.	2.6	185
28	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
29	11Î²-Hydroxysteroid dehydrogenases: Key enzymes in determining tissue-specific glucocorticoid effects. Steroids, 1996, 61, 263-269.	0.8	155
30	Lipoprotein(a) Concentration and Risks of Cardiovascular Disease and Diabetes. Journal of the American College of Cardiology, 2019, 74, 2982-2994.	1.2	127
31	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. Cell, 2014, 156, 343-358.	13.5	113
32	Tissue-Specific Messenger Ribonucleic Acid Expression of 11Î²-Hydroxysteroid Dehydrogenase Types 1 and 2 and the Glucocorticoid Receptor within Rat Placenta Suggests Exquisite Local Control of Glucocorticoid Action¹. Endocrinology, 1998, 139, 1517-1523.	1.4	102
33	Placental 11Î²-hydroxysteroid dehydrogenase and the programming of hypertension. Journal of Steroid Biochemistry and Molecular Biology, 1995, 55, 447-455.	1.2	91
34	FLT3 stop mutation increases FLT3 ligand level and risk of autoimmune thyroid disease. Nature, 2020, 584, 619-623.	13.7	81
35	GWAS of bone size yields twelve loci that also affect height, BMD, osteoarthritis or fractures. Nature Communications, 2019, 10, 2054.	5.8	74
36	Outcomes of educational interventions in type 2 diabetes: WEKA data-mining analysis. Patient Education and Counseling, 2007, 67, 21-31.	1.0	73

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37	Size at birth and coronary artery disease in a population with high birth weight. American Journal of Clinical Nutrition, 2002, 76, 1290-1294.	2.2	58
38	11Î²-Hydroxysteroid dehydrogenase in the rat ovary: high expression in the oocyte. Journal of Endocrinology, 1992, 135, 53-NP.	1.2	46
39	Adipose Tissue, Muscle, and Function: Potential Mediators of Associations Between Body Weight and Mortality in Older Adults With Type 2 Diabetes. Diabetes Care, 2014, 37, 3213-3219.	4.3	46
40	Congenital and acquired syndromes of apparent mineralocorticoid excess. Journal of Steroid Biochemistry and Molecular Biology, 1993, 45, 1-5.	1.2	44
41	Size at birth and glucose intolerance in a relatively genetically homogeneous, highâ€“birth weight population. American Journal of Clinical Nutrition, 2002, 76, 399-403.	2.2	42
42	Distinction between the effects of parental and fetal genomes on fetal growth. Nature Genetics, 2021, 53, 1135-1142.	9.4	41
43	Effects of statin medication on mortality risk associated with type 2 diabetes in older persons: the population-based AGES-Reykjavik Study. BMJ Open, 2011, 1, e000132-e000132.	0.8	39
44	Retinopathy in old persons with and without diabetes mellitus: the Age, Gene/Environment Susceptibilityâ€”Reykjavik Study (AGES-R). Diabetologia, 2012, 55, 671-680.	2.9	37
45	Relationship between size at birth and hypertension in a genetically homogenous population of high birth weight. Journal of Hypertension, 2002, 20, 623-628.	0.3	35
46	Reliability and validity of the Icelandic version of the problem area in diabetes (PAID) scale. International Journal of Nursing Studies, 2008, 45, 526-533.	2.5	35
47	Instruments to tailor care of people with type 2 diabetes. Journal of Advanced Nursing, 2009, 65, 2118-2130.	1.5	35
48	Association between size at birth, truncal fat and obesity in adult life and its contribution to blood pressure and coronary heart disease; study in a high birth weight population. European Journal of Clinical Nutrition, 2004, 58, 812-818.	1.3	33
49	11beta-Hydroxysteroid dehydrogenase type 2 in the rat corpus luteum: induction of messenger ribonucleic acid expression and bioactivity coincident with luteal regression.. Endocrinology, 1996, 137, 5386-5391.	1.4	31
50	Fetal osteocalcin levels are related to placental 11Î²-hydroxysteroid dehydrogenase activity in humans. Clinical Endocrinology, 1995, 42, 551-555.	1.2	30
51	Sequence variants associating with urinary biomarkers. Human Molecular Genetics, 2019, 28, 1199-1211.	1.4	28
52	Similar decline in mortality rate of older persons with and without type 2 diabetes between 1993 and 2004 the Icelandic population-based Reykjavik and AGES-Reykjavik cohort studies. BMC Public Health, 2013, 13, 36.	1.2	21
53	Unfavourable risk factors for type 2 diabetes mellitus are already apparent more than a decade before onset in a population-based study of older persons: from the Age, Gene/Environment Susceptibilityâ€”Reykjavik Study (AGES-Reykjavik). European Journal of Epidemiology, 2009, 24, 307-314.	2.5	20
54	Effect of sequence variants on variance in glucose levels predicts type 2 diabetes risk and accounts for heritability. Nature Genetics, 2017, 49, 1398-1402.	9.4	20

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55	Fourteen sequence variants that associate with multiple sclerosis discovered by meta-analysis informed by genetic correlations. Npj Genomic Medicine, 2017, 2, 24.	1.7	16
56	Loss-of-Function Variants in the Tumor-Suppressor Gene PTPN14 Confer Increased Cancer Risk. Cancer Research, 2021, 81, 1954-1964.	0.4	15
57	Liquorice. Lancet, The, 1991, 337, 1549.	6.3	14
58	Maximizing the benefit of treatment in mild hypertension:three simple steps to improve diagnostic accuracy. QJM - Monthly Journal of the Association of Physicians, 2004, 97, 15-20.	0.2	14
59	Management of the unexpected result: compensated hypothyroidism.. Postgraduate Medical Journal, 1998, 74, 729-732.	0.9	11
60	Natural history of chronic left ventricular aneurysm; A population based cohort study. Journal of Clinical Epidemiology, 1991, 44, 1131-1139.	2.4	8
61	Lack of effect of nicotine or ethanol on the activity of 11Î²-hydroxysteroid dehydrogenase type 2. Journal of Steroid Biochemistry and Molecular Biology, 1997, 63, 303-307.	1.2	8
62	Understanding human parturition. Lancet, The, 1998, 351, 913-914.	6.3	8
63	11 beta-Hydroxysteroid dehydrogenases: tissue-specific dictators of glucocorticoid action. Essays in Biochemistry, 1996, 31, 23-36.	2.1	8
64	Cellular selectivity of aldosterone action: role of 11 beta-hydroxysteroid dehydrogenase. Current Opinion in Nephrology and Hypertension, 1995, 4, 41-46.	1.0	7
65	A PRPH splice-donor variant associates with reduced sural nerve amplitude and risk of peripheral neuropathy. Nature Communications, 2019, 10, 1777.	5.8	7
66	Ambulatory blood pressure monitoring: from research to clinical practice. Journal of Human Hypertension, 1995, 9, 413-6.	1.0	7
67	Transfer and Metabolism of Prostaglandin E2in the Dual Perfused Human Placenta. Placenta, 2000, 21, 109-114.	0.7	5
68	Infant feeding patterns and midlife erythrocyte sedimentation rate. Acta Paediatrica, International Journal of Paediatrics, 2007, 96, 852-856.	0.7	5
69	The number of adults with incident type 1 diabetes phenotype in Iceland is half the number in children â€“ A population based study. Diabetes Research and Clinical Practice, 2019, 151, 224-230.	1.1	4
70	Reply to ND Willows and K Gray-Donald. American Journal of Clinical Nutrition, 2003, 77, 1529-1530.	2.2	1
71	13 Dexamethasone treatment of pregnant rats leads to raised blood pressure in the offspring. Journal of Hypertension, 1992, 10, 1431-1432.	0.3	0
72	18 Blood pressure and birth weight: is fetal glucocorticoid exposure the missing link?. Journal of Hypertension, 1992, 10, 1434.	0.3	0

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73	Essential hypertension : Should we operate?. Clinical Endocrinology, 1996, 44, 611-612.	1.2	0
74	HbA1c 7% verÃºur 53 mmÃ³l/mÃ³l nÃ½ eining frÃ¡ 1. mars 2015. Laeknabladid, 2015, 2015, 95-95.	0.0	0