Minna Mannikko

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74 papers	4,278 citations	29 h-index	65 g-index
76 ext. papers	5,073 ext. citations	7.5 avg, IF	4.27 L-index

#	Paper	IF	Citations
74	Positionally cloned gene for a novel glomerular protein--nephrin--is mutated in congenital nephrotic syndrome. *Molecular Cell*, **1998**, 1, 575-82	17.6	1481
73	Structure of the gene for congenital nephrotic syndrome of the finnish type (NPHS1) and characterization of mutations. *American Journal of Human Genetics*, **1999**, 64, 51-61	11	310
72	Pain perception is altered by a nucleotide polymorphism in SCN9A. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5148-53	11.5	230
71	Congenital nephrotic syndrome (NPHS1): features resulting from different mutations in Finnish patients. *Kidney International*, **2000**, 58, 972-80	9.9	194
70	Multiple chronic pain states are associated with a common amino acid-changing allele in KCNS1. *Brain*, **2010**, 133, 2519-27	11.2	187
69	Heterozygous mutations in the LDL receptor-related protein 5 (LRP5) gene are associated with primary osteoporosis in children. *Journal of Bone and Mineral Research*, **2005**, 20, 783-9	6.3	142
68	Lumbar disc degeneration is linked to a carbohydrate sulfotransferase 3 variant. *Journal of Clinical Investigation*, **2013**, 123, 4909-17	15.9	81
67	Mutations in LRP5 cause primary osteoporosis without features of OI by reducing Wnt signaling activity. *BMC Medical Genetics*, **2012**, 13, 26	2.1	70
66	Exome sequencing of Finnish isolates enhances rare-variant association power. *Nature*, **2019**, 572, 323-328	38.4	69
65	Genetic association studies in lumbar disc degeneration: a systematic review. *PLoS ONE*, **2012**, 7, e49995	3.7	67
64	NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. *Human Molecular Genetics*, **2018**, 27, 2214-2223	5.6	65
63	Occupational and genetic risk factors associated with intervertebral disc disease. *Spine*, **2007**, 32, 1129-34	3.3	65
62	A report on 10 new patients with heterozygous mutations in the COL11A1 gene and a review of genotype-phenotype correlations in type XI collagenopathies. *American Journal of Medical Genetics, Part A*, **2007**, 143A, 258-64	2.5	64
61	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. *BMC Medical Genetics*, **2011**, 12, 153	2.1	61
60	Proteinuria and prenatal diagnosis of congenital nephrosis in fetal carriers of nephrin gene mutations. *Lancet, The*, **2002**, 359, 1575-7	40	59
59	Novel mutations in the small leucine-rich repeat protein/proteoglycan (SLRP) genes in high myopia. *Human Mutation*, **2007**, 28, 336-44	4.7	55
58	Collagen XI sequence variations in nonsyndromic cleft palate, Robin sequence and micrognathia. *European Journal of Human Genetics*, **2003**, 11, 265-70	5.3	51

57	Genetic factors are associated with modic changes in endplates of lumbar vertebral bodies. *Spine*, **2008**, 33, 1236-41	3.3	49
56	Association between the aggrecan gene variable number of tandem repeats polymorphism and intervertebral disc degeneration. *Spine*, **2007**, 32, 1700-5	3.3	45
55	Common Variant Burden Contributes to the Familial Aggregation of Migraine in 1,589 Families. *Neuron*, **2018**, 98, 743-753.e4	13.9	42
54	Common interleukin-6 promoter variants associate with the more severe forms of distal interphalangeal osteoarthritis. *Arthritis Research and Therapy*, **2008**, 10, R21	5.7	41
53	Genetic risk factors of disc degeneration among 12-14-year-old Danish children: a population study. *International Journal of Molecular Epidemiology and Genetics*, **2010**, 1, 158-65	0.9	41
52	Missense and nonsense mutations in the alternatively-spliced exon 2 of COL2A1 cause the ocular variant of Stickler syndrome. *Human Mutation*, **2008**, 29, 83-90	4.7	39
51	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. *Circulation*, **2018**, 138, 2499-2512	16.7	36
50	Haplotype Sharing Provides Insights into Fine-Scale Population History and Disease in Finland. *American Journal of Human Genetics*, **2018**, 102, 760-775	11	34
49	Association of the tag SNPs in the human SKT gene (KIAA1217) with lumbar disc herniation. *Journal of Bone and Mineral Research*, **2009**, 24, 1537-43	6.3	33
48	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. *Nature Human Behaviour*, **2019**, 3, 950-961	12.8	32
47	Genetic predisposition for femoral neck stress fractures in military conscripts. *BMC Genetics*, **2010**, 11, 95	2.6	30
46	Improved prenatal diagnosis of the congenital nephrotic syndrome of the Finnish type based on DNA analysis. *Kidney International*, **1997**, 51, 868-72	9.9	29
45	A replication study on proposed candidate genes in Ménière's disease, and a review of the current status of genetic studies. *International Journal of Audiology*, **2012**, 51, 841-5	2.6	28
44	Is the interleukin-6 haplotype a prognostic factor for sciatica?. *European Journal of Pain*, **2008**, 12, 1018-25	3.7	28
43	Association between interleukin 1 gene cluster polymorphisms and bilateral distal interphalangeal osteoarthritis. *Journal of Rheumatology*, **2009**, 36, 1977-86	4.1	27
42	Finnish familial Meniere disease is not linked to chromosome 12p12.3, and anticipation and cosegregation with migraine are not common findings. *Genetics in Medicine*, **2011**, 13, 415-20	8.1	26
41	Genome-wide association reveals contribution of MRAS to painful temporomandibular disorder in males. *Pain*, **2019**, 160, 579-591	8	26
40	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24

39	A novel autosomal recessive non-syndromic deafness locus, DFNB66, maps to chromosome 6p21.2-22.3 in a large Tunisian consanguineous family. *Human Heredity*, **2005**, 60, 123-8	1.1	23
38	High incidence of Meniere-like symptoms in relatives of Meniere patients in the areas of Oulu University Hospital and Kainuu Central Hospital in Finland. *European Journal of Medical Genetics*, **2013**, 56, 279-85	2.6	22
37	Genome-wide association study identifies seven novel loci associating with circulating cytokines and cell adhesion molecules in Finns. *Journal of Medical Genetics*, **2019**, 56, 607-616	5.8	21
36	Proof of concept for quantitative urine NMR metabolomics pipeline for large-scale epidemiology and genetics. *International Journal of Epidemiology*, **2019**, 48, 978-993	7.8	21
35	Rare variations in WNT3A and DKK1 may predispose carriers to primary osteoporosis. *European Journal of Medical Genetics*, **2012**, 55, 515-9	2.6	20
34	Contribution of rare and common variants to intellectual disability in a sub-isolate of Northern Finland. *Nature Communications*, **2019**, 10, 410	17.4	19
33	Candidate gene association study of magnetic resonance imaging-based hip osteoarthritis (OA): evidence for COL9A2 gene as a common predisposing factor for hip OA and lumbar disc degeneration. *Journal of Rheumatology*, **2011**, 38, 747-52	4.1	18
32	Misleading findings of homozygosity mapping resulting from three novel mutations in NPHS1 encoding nephrin in a highly inbred community. *Genetics in Medicine*, **2007**, 9, 180-4	8.1	18
31	Mapping of a new autosomal recessive nonsyndromic hearing loss locus (DFNB32) to chromosome 1p13.3-22.1. *European Journal of Human Genetics*, **2003**, 11, 185-8	5.3	18
30	Oto-spondylo-megaepiphyseal dysplasia (OSMED): clinical and radiological findings in sibs homozygous for premature stop codon mutation in the COL11A2 gene. *American Journal of Medical Genetics, Part A*, **2006**, 140, 1189-95	2.5	15
29	Exclusion of eight genes as mutated loci in congenital nephrotic syndrome of the Finnish type. *Kidney International*, **1994**, 45, 986-90	9.9	15
28	TUFT1, a novel candidate gene for metatarsophalangeal osteoarthritis, plays a role in chondrogenesis on a calcium-related pathway. *PLoS ONE*, **2017**, 12, e0175474	3.7	15
27	Genome-wide association studies of lumbar disc degeneration--are we there yet?. *Spine Journal*, **2014**, 14, 479-82	4	14
26	Functional polymorphisms in asporin and CILP together with joint loading predispose to hand osteoarthritis. *BMC Genetics*, **2017**, 18, 108	2.6	13
25	Higher prevalence of autoimmune diseases and longer spells of vertigo in patients affected with familial Ménière's disease: A clinical comparison of familial and sporadic Ménière's disease. *American Journal of Audiology*, **2014**, 23, 232-7	1.8	13
24	Putative susceptibility locus on chromosome 21q for lumbar disc disease (LDD) in the Finnish population. *Journal of Bone and Mineral Research*, **2007**, 22, 701-7	6.3	13
23	Two novel COL1A1 mutations in patients with osteogenesis imperfecta (OI) affect the stability of the collagen type I triple-helix. *Journal of Applied Genetics*, **2008**, 49, 283-95	2.5	13
22	Rare Copy Number Variants in Array-Based Comparative Genomic Hybridization in Early-Onset Skeletal Fragility. *Frontiers in Endocrinology*, **2018**, 9, 380	5.7	11

21	Congenital nephrotic syndrome of the Finnish type is not associated with the Pax-2 gene despite the promising transgenic animal model. *Genomics*, **1994**, 19, 570-2	4.3	11
20	Cohort Profile: 46 years of follow-up of the Northern Finland Birth Cohort 1966 (NFBC1966). *International Journal of Epidemiology*, **2021**,	7.8	11
19	Role of environmental factors and history of low back pain in sciatica symptoms among Finnish adolescents. *Spine*, **2013**, 38, 1105-11	3.3	10
18	Whole-exome sequencing suggests multiallelic inheritance for childhood-onset Mﾐiﾐe's disease. *Annals of Human Genetics*, **2019**, 83, 389-396	2.2	8
17	Concomitant diseases and their effect on disease prognosis in Meniere's disease: diabetes mellitus identified as a negative prognostic factor. *Acta Oto-Laryngologica*, **2018**, 138, 36-40	1.6	8
16	Identification of disease-associated loci using machine learning for genotype and network data integration. *Bioinformatics*, **2019**, 35, 5182-5190	7.2	7
15	Genome-wide meta-analysis identifies genetic locus on chromosome 9 associated with Modic changes. *Journal of Medical Genetics*, **2019**, 56, 420-426	5.8	7
14	The collagen V homotrimer [alpha1(V)](3) production is unexpectedly favored over the heterotrimer [alpha1(V)](2)alpha2(V) in recombinant expression systems. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 376927		7
13	Exploring the role of genetic confounding in the association between maternal and offspring body mass index: evidence from three birth cohorts. *International Journal of Epidemiology*, **2020**, 49, 233-243	7.8	7
12	A Whole Exome Study Identifies Novel Candidate Genes for Vertebral Bone Marrow Signal Changes (Modic Changes). *Spine*, **2017**, 42, 1201-1206	3.3	6
11	Association of Body Mass Index with Fecal Microbial Diversity and Metabolites in the Northern Finland Birth Cohort. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 2289-2299	4	6
10	Polygenic Risk Scores and Physical Activity. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1518-1524	4.4	5
9	Genome-Wide Association Study of Erosive Tooth Wear in a Finnish Cohort. *Caries Research*, **2019**, 53, 49-59	4.2	5
8	Whole exome sequencing in Finnish families identifies new candidate genes for osteoarthritis. *PLoS ONE*, **2018**, 13, e0203313	3.7	4
7	Maternal and infant prediction of the child BMI trajectories; studies across two generations of Northern Finland birth cohorts. *International Journal of Obesity*, **2021**, 45, 404-414	5.5	3
6	Exome Sequencing Reveals a Phenotype Modifying Variant in ZNF528 in Primary Osteoporosis With a COL1A2 Deletion. *Journal of Bone and Mineral Research*, **2020**, 35, 2381-2392	6.3	2
5	Molecular Genetic Analysis of Mﾐiﾐe's Disease		2
4	Circulating inflammatory cytokines and risk of five cancers: a Mendelian randomization analysis.. *BMC Medicine*, **2022**, 20, 3	11.4	1

3	A single genetic locus associated with pediatric fractures: A genome-wide association study on 3,230 patients. *Experimental and Therapeutic Medicine*, **2020**, 20, 1716-1724	2.1	1
2	Polygenic burden has broader impact on health, cognition, and socioeconomic outcomes than most rare and high-risk copy number variants. *Molecular Psychiatry*, **2021**, 26, 4884-4895	15.1	1
1	New Genetic Variants in CYP2B6 and SLC6A Support the Role of Oxidative Stress in Familial M□i□e□ Disease. *Genes*, **2022**, 13, 998	4.2	