Minna Mannikko

List of Publications by Year
in descending order

73 papers	5,809 citations	136950 32 h-index	79698 73 g-index
76 all docs	76 docs citations	76 times ranked	7322 citing authors

#	Article	IF	Citations
1	Positionally Cloned Gene for a Novel Glomerular Proteinâ€"Nephrinâ€"Is Mutated in Congenital Nephrotic Syndrome. Molecular Cell, 1998, 1, 575-582.	9.7	1,654
2	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
3	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.	6.2	346
4	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, 5148-5153.	7.1	279
5	Congenital nephrotic syndrome (NPHS1): Features resulting from different mutations in Finnish patients. Kidney International, 2000, 58, 972-980.	5.2	237
6	Multiple chronic pain states are associated with a common amino acidâ€"changing allele in KCNS1. Brain, 2010, 133, 2519-2527.	7.6	224
7	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, 783-789.	2.8	172
8	Exome sequencing of Finnish isolates enhances rare-variant association power. Nature, 2019, 572, 323-328.	27.8	161
9	Lumbar disc degeneration is linked to a carbohydrate sulfotransferase 3 variant. Journal of Clinical Investigation, 2013, 123, 4909-4917.	8.2	126
10	NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. Human Molecular Genetics, 2018, 27, 2214-2223.	2.9	95
11	Cohort Profile: 46 years of follow-up of the Northern Finland Birth Cohort 1966 (NFBC1966). International Journal of Epidemiology, 2022, 50, 1786-1787j.	1.9	92
12	Genetic Association Studies in Lumbar Disc Degeneration: A Systematic Review. PLoS ONE, 2012, 7, e49995.	2.5	90
13	Occupational and Genetic Risk Factors Associated With Intervertebral Disc Disease. Spine, 2007, 32, 1129-1134.	2.0	84
14	Mutations in LRP5 cause primary osteoporosis without features of OI by reducing Wnt signaling activity. BMC Medical Genetics, 2012, 13, 26.	2.1	84
15	A report on 10 new patients with heterozygous mutations in theCOL11A1 gene and a review of genotypeâ€"phenotype correlations in type XI collagenopathies. American Journal of Medical Genetics, Part A, 2007, 143A, 258-264.	1.2	75
16	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. Nature Human Behaviour, 2019, 3, 950-961.	12.0	75
17	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. BMC Medical Genetics, 2011, 12, 153.	2.1	73
18	Proteinuria and prenatal diagnosis of congenital nephrosis in fetal carriers of nephrin gene mutations. Lancet, The, 2002, 359, 1575-1577.	13.7	69

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19	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. Circulation, 2018, 138, 2499-2512.	1.6	69
20	Common Variant Burden Contributes to the Familial Aggregation of Migraine in 1,589 Families. Neuron, 2018, 98, 743-753.e4.	8.1	63
21	Novel mutations in the small leucine-rich repeat protein/proteoglycan (SLRP) genes in high myopia. Human Mutation, 2007, 28, 336-344.	2.5	60
22	Genetic Factors Are Associated With Modic Changes in Endplates of Lumbar Vertebral Bodies. Spine, 2008, 33, 1236-1241.	2.0	60
23	Collagen XI sequence variations in nonsyndromic cleft palate, Robin sequence and micrognathia. European Journal of Human Genetics, 2003, 11, 265-270.	2.8	57
24	Haplotype Sharing Provides Insights into Fine-Scale Population History and Disease in Finland. American Journal of Human Genetics, 2018, 102, 760-775.	6.2	57
25	Association Between the Aggrecan Gene Variable Number of Tandem Repeats Polymorphism and Intervertebral Disc Degeneration. Spine, 2007, 32, 1700-1705.	2.0	52
26	Common interleukin-6 promoter variants associate with the more severe forms of distal interphalangeal osteoarthritis. Arthritis Research and Therapy, 2008, 10, R21.	3.5	49
27	Missense and nonsense mutations in the alternatively-spliced exon 2 ofCOL2A1cause the ocular variant of Stickler syndrome. Human Mutation, 2008, 29, 83-90.	2.5	48
28	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.	0.4	47
29	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.	3.2	46
30	Genetic predisposition for femoral neck stress fractures in military conscripts. BMC Genetics, 2010, 11, 95.	2.7	45
31	Association of the Tag SNPs in the Human SKT Gene (KIAA1217) With Lumbar Disc Herniation. Journal of Bone and Mineral Research, 2009, 24, 1537-1543.	2.8	43
32	Circulating inflammatory cytokines and risk of five cancers: a Mendelian randomization analysis. BMC Medicine, 2022, 20, 3.	5.5	41
33	Genome-wide association reveals contribution of MRAS to painful temporomandibular disorder in males. Pain, 2019, 160, 579-591.	4.2	37
34	A replication study on proposed candidate genes in MÃ©niÃ¨re's disease, and a review of the current status of genetic studies. International Journal of Audiology, 2012, 51, 841-845.	1.7	36
35	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, 415-420.	2.4	33
36	Association Between Interleukin 1 Gene Cluster Polymorphisms and Bilateral Distal Interphalangeal Osteoarthritis. Journal of Rheumatology, 2009, 36, 1977-1986.	2.0	32

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37	Contribution of rare and common variants to intellectual disability in a sub-isolate of Northern Finland. Nature Communications, 2019, 10, 410.	12.8	32
38	Improved prenatal diagnosis of the congenital nephrotic syndrome of the Finnish type based on DNA analysis. Kidney International, 1997, 51, 868-872.	5.2	31
39	Is the interleukinâ€6 haplotype a prognostic factor for sciatica?. European Journal of Pain, 2008, 12, 1018-1025.	2.8	31
40	Genome-wide association studies of lumbar disc degenerationâ€"are we there yet?. Spine Journal, 2014, 14, 479-482.	1.3	31
41	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, 279-285.	1.3	30
42	Proof of concept for quantitative urine NMR metabolomics pipeline for large-scale epidemiology and genetics. International Journal of Epidemiology, 2019, 48, 978-993.	1.9	30
43	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, 123-128.	0.8	26
44	Rare variations in WNT3A and DKK1 may predispose carriers to primary osteoporosis. European Journal of Medical Genetics, 2012, 55, 515-519.	1.3	26
45	TUFT1, a novel candidate gene for metatarsophalangeal osteoarthritis, plays a role in chondrogenesis on a calcium-related pathway. PLoS ONE, 2017, 12, e0175474.	2.5	24
46	Misleading findings of homozygosity mapping resulting from three novel mutations in NPHS1 encoding nephrin in a highly inbred community. Genetics in Medicine, 2007, 9, 180-184.	2.4	22
47	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, 747-752.	2.0	22
48	Putative Susceptibility Locus on Chromosome 21q for Lumbar Disc Disease (LDD) in the Finnish Population. Journal of Bone and Mineral Research, 2007, 22, 701-707.	2.8	21
49	Mapping of a new autosomal recessive nonsyndromic hearing loss locus (DFNB32) to chromosome 1p13.3-22.1. European Journal of Human Genetics, 2003, 11, 185-188.	2.8	20
50	Rare Copy Number Variants in Array-Based Comparative Genomic Hybridization in Early-Onset Skeletal Fragility. Frontiers in Endocrinology, 2018, 9, 380.	3.5	20
51	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.	2.5	20
52	Exclusion of eight genes as mutated loci in congenital nephrotic syndrome of the Finnish type. Kidney International, 1994, 45, 986-990.	5.2	19
53	Higher Prevalence of Autoimmune Diseases and Longer Spells of Vertigo in Patients Affected With Familial MÃ©niÃ¨re's Disease: A Clinical Comparison of Familial and Sporadic MÃ©niÃ¨re's Disease. American Journal of Audiology, 2014, 23, 232-237.	1.2	19
54	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.	1.9	18

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55	Oto-spondylo-megaepiphyseal dysplasia (OSMED): Clinical and radiological findings in sibs homozygous for premature stop codon mutation in theCOL11A2 gene. American Journal of Medical Genetics, Part A, 2006, 140A, 1189-1195.	1.2	17
56	Two novelCOL1A1 mutations in patients with osteogenesis imperfecta (OI) affect the stability of the collagen type I triple-helix. Journal of Applied Genetics, 2008, 49, 283-295.	1.9	17
57	Functional polymorphisms in asporin and CILP together with joint loading predispose to hand osteoarthritis. BMC Genetics, 2017, 18, 108.	2.7	15
58	Congenital Nephrotic Syndrome of the Finnish Type Is Not Associated with the Pax-2 Gene Despite the Promising Transgenic Animal Model. Genomics, 1994, 19, 570-572.	2.9	14
59	Genome-Wide Association Study of Erosive Tooth Wear in a Finnish Cohort. Caries Research, 2019, 53, 49-59.	2.0	14
60	Role of Environmental Factors and History of Low Back Pain in Sciatica Symptoms Among Finnish Adolescents. Spine, 2013, 38, 1105-1111.	2.0	13
61	Concomitant diseases and their effect on disease prognosis in Meniereâ€™s disease: diabetes mellitus identified as a negative prognostic factor. Acta Oto-Laryngologica, 2018, 138, 36-40.	0.9	13
62	Genome-wide meta-analysis identifies genetic locus on chromosome 9 associated with Modic changes. Journal of Medical Genetics, 2019, 56, 420-426.	3.2	13
63	Polygenic Risk Scores and Physical Activity. Medicine and Science in Sports and Exercise, 2020, 52, 1518-1524.	0.4	13
64	The Collagen V Homotrimer[Î±1(V)]3Production Is Unexpectedly Favored over the Heterotrimer[Î±1(V)]2Î±2(V)in Recombinant Expression Systems. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-13.	3.0	10
65	Wholeâ€exome sequencing suggests multiallelic inheritance for childhoodâ€onset MÃ©niÃ¨re's disease. Annals of Human Genetics, 2019, 83, 389-396.	0.8	10
66	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.	3.4	8
67	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.	7.9	8
68	A Whole Exome Study Identifies Novel Candidate Genes for Vertebral Bone Marrow Signal Changes (Modic Changes). Spine, 2017, 42, 1201-1206.	2.0	7
69	Identification of disease-associated loci using machine learning for genotype and network data integration. Bioinformatics, 2019, 35, 5182-5190.	4.1	7
70	Whole exome sequencing in Finnish families identifies new candidate genes for osteoarthritis. PLoS ONE, 2018, 13, e0203313.	2.5	6
71	New Genetic Variants in CYP2B6 and SLC6A Support the Role of Oxidative Stress in Familial MÃ©niÃ¨reâ€™s Disease. Genes, 2022, 13, 998.	2.4	5
72	Exome Sequencing Reveals a Phenotype Modifying Variant in <scp>ZNF528</scp> in Primary Osteoporosis With a <scp>COL1A2</scp> Deletion. Journal of Bone and Mineral Research, 2020, 35, 2381-2392.	2.8	4

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73	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.	1.8	2