Irene Pichler

List of Publications by Year
in descending order

62 papers	15,225 citations	117625 34 h-index	123424 61 g-index
65 all docs	65 docs citations	65 times ranked	24089 citing authors

#	Article	IF	Citations
1	Biological, clinical and population relevance of 95 loci for blood lipids. Nature, 2010, 466, 707-713.	27.8	3,249
2	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. Nature Genetics, 2010, 42, 937-948.	21.4	2,634
3	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. Nature Genetics, 2010, 42, 105-116.	21.4	1,982
4	Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 2010, 467, 832-838.	27.8	1,789
5	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. Nature Genetics, 2010, 42, 949-960.	21.4	836
6	Loci influencing lipid levels and coronary heart disease risk in 16 European population cohorts. Nature Genetics, 2009, 41, 47-55.	21.4	776
7	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.	3.5	419
8	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. Nature Genetics, 2011, 43, 1005-1011.	21.4	403
9	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
10	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. PLoS ONE, 2012, 7, e29202.	2.5	197
11	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. Nature Communications, 2014, 5, 4926.	12.8	192
12	Genetic Determinants of Circulating Sphingolipid Concentrations in European Populations. PLoS Genetics, 2009, 5, e1000672.	3.5	184
13	Genome-Wide Association Study Identifies Novel Loci Associated with Circulating Phospho- and Sphingolipid Concentrations. PLoS Genetics, 2012, 8, e1002490.	3.5	181
14	Clear detection of ADIPOQ locus as the major gene for plasma adiponectin: Results of genome-wide association analyses including 4659 European individuals. Atherosclerosis, 2010, 208, 412-420.	0.8	146
15	CLOCK Gene Variants Associate with Sleep Duration in Two Independent Populations. Biological Psychiatry, 2010, 67, 1040-1047.	1.3	128
16	Large-scale replication and heterogeneity in Parkinson disease genetic loci. Neurology, 2012, 79, 659-667.	1.1	119
17	Linkage Disequilibrium Patterns and tagSNP Transferability among European Populations. American Journal of Human Genetics, 2005, 76, 387-398.	6.2	117
18	Serum Iron Levels and the Risk of Parkinson Disease: A Mendelian Randomization Study. PLoS Medicine, 2013, 10, e1001462.	8.4	116

#	Article	IF	Citations
19	Overexpression of blood microRNAs 103a, 30b, and 29a in <scp>l</scp> -dopaâ€“treated patients with PD. Neurology, 2015, 84, 645-653.	1.1	102
20	Linkage Analysis Identifies a Novel Locus for Restless Legs Syndrome on Chromosome 2q in a South Tyrolean Population Isolate. American Journal of Human Genetics, 2006, 79, 716-723.	6.2	101
21	A multi-centre clinico-genetic analysis of the VPS35 gene in Parkinson disease indicates reduced penetrance for disease-associated variants. Journal of Medical Genetics, 2012, 49, 721-726.	3.2	94
22	Common variants in the JAZF1 gene associated with height identified by linkage and genome-wide association analysis. Human Molecular Genetics, 2009, 18, 373-380.	2.9	88
23	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. Nature Communications, 2016, 7, 13357.	12.8	74
24	Genome-wide linkage analysis of serum creatinine in three isolated European populations. Kidney International, 2009, 76, 297-306.	5.2	71
25	A Genome-Wide Association Scan of RR and QT Interval Duration in 3 European Genetically Isolated Populations. Circulation: Cardiovascular Genetics, 2009, 2, 322-328.	5.1	67
26	Identification of a common variant in the TFR2 gene implicated in the physiological regulation of serum iron levels. Human Molecular Genetics, 2011, 20, 1232-1240.	2.9	67
27	Novel association to the proprotein convertase PCSK7 gene locus revealed by analysing soluble transferrin receptor (sTfR) levels. Human Molecular Genetics, 2011, 20, 1042-1047.	2.9	62
28	The genetic study of three population microisolates in South Tyrol (MICROS): study design and epidemiological perspectives. BMC Medical Genetics, 2007, 8, 29.	2.1	56
29	Linkage and Genomeâ€wide Association Analysis of Obesityâ€related Phenotypes: Association of Weight With the MGAT1 Gene. Obesity, 2010, 18, 803-808.	3.0	54
30	SLP-2 interacts with Parkin in mitochondria and prevents mitochondrial dysfunction in Parkin-deficient human iPSC-derived neurons andDrosophila. Human Molecular Genetics, 2017, 26, 2412-2425.	2.9	48
31	Genome-wide association analysis and fine mapping of NT-proBNP level provide novel insight into the role of the MTHFR-CLCN6-NPPA-NPPB gene cluster. Human Molecular Genetics, 2011, 20, 1660-1671.	2.9	47
32	Co-occurrence of restless legs syndrome andParkin mutations in two families. Movement Disorders, 2006, 21, 258-263.	3.9	38
33	Restless legs syndrome: Epidemiological and clinicogenetic study in a South Tyrolean population isolate. Movement Disorders, 2006, 21, 1189-1195.	3.9	38
34	Profiling of Parkin-Binding Partners Using Tandem Affinity Purification. PLoS ONE, 2013, 8, e78648.	2.5	38
35	Urokinase Plasminogen Activator Receptor (uPAR; CD87) Expression on Monocytic Cells and T Cells is Modulated by HIV-1 Infection. Immunobiology, 1998, 199, 152-162.	1.9	35
36	Mitochondrial dysfunction in fibroblasts of Multiple System Atrophy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3588-3597.	3.8	32

#	Article	IF	Citations
37	The LRRK2 Variant E193K Prevents Mitochondrial Fission Upon MPP+ Treatment by Altering LRRK2 Binding to DRP1. Frontiers in Molecular Neuroscience, 2018, 11, 64.	2.9	32
38	Interaction of Alpha-Synuclein With Lipids: Mitochondrial Cardiolipin as a Critical Player in the Pathogenesis of Parkinsonâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 578993.	2.8	29
39	Drawing the history of the Hutterite population on a genetic landscape: inference from Y-chromosome and mtDNA genotypes. European Journal of Human Genetics, 2010, 18, 463-470.	2.8	26
40	Serum iron level and kidney function: a Mendelian randomization study. Nephrology Dialysis Transplantation, 2016, 32, gfw215.	0.7	23
41	Exome sequencing in a family with restless legs syndrome. Movement Disorders, 2012, 27, 1686-1689.	3.9	22
42	Genetic Structure in Contemporary South Tyrolean Isolated Populations Revealed by Analysis of Y-Chromosome, mtDNA, and Alu Polymorphisms. Human Biology, 2006, 78, 441-464.	0.2	17
43	Meta-analysis of genome-wide association studies identifies two loci associated with circulating osteoprotegerin levels. Human Molecular Genetics, 2014, 23, 6684-6693.	2.9	14
44	Frequency of Heterozygous Parkin (PRKN) Variants and Penetrance of Parkinson's Disease Risk Markers in the Population-Based CHRIS Cohort. Frontiers in Neurology, 2021, 12, 706145.	2.4	14
45	Environmental and Genetic Variables Influencing Mitochondrial Health and Parkinsonâ€™s Disease Penetrance. Parkinson's Disease, 2018, 2018, 1-8.	1.1	13
46	Generation of hiPSC-Derived Functional Dopaminergic Neurons in Alginate-Based 3D Culture. Frontiers in Cell and Developmental Biology, 2021, 9, 708389.	3.7	13
47	Fine-Mapping of Restless Legs Locus 4 (RLS4) Identifies a Haplotype over the SPATS2L and KCTD18 Genes. Journal of Molecular Neuroscience, 2013, 49, 600-605.	2.3	12
48	Exclusion of linkage to chromosome 14q in a large South Tyrolean family with idiopathic basal ganglia calcification (IBGC). American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2008, 147B, 1319-1322.	1.7	10
49	Genotyping human ancient mtDNA control and coding region polymorphisms with a multiplexed Single-Base-Extension assay: the singular maternal history of the Tyrolean Iceman. BMC Genetics, 2009, 10, 29.	2.7	9
50	Parkin Interacts with Apoptosis-Inducing Factor and Interferes with Its Translocation to the Nucleus in Neuronal Cells. International Journal of Molecular Sciences, 2019, 20, 748.	4.1	9
51	Haplotype analysis of the 4p16.3 region in Portuguese families with Huntington's disease. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 135-143.	1.7	6
52	Task matters - challenging the motor system allows distinguishing unaffected Parkin mutation carriers from mutation-free controls. Parkinsonism and Related Disorders, 2021, 86, 101-104.	2.2	6
53	Generation of an induced pluripotent stem cell line (EURACi005-A) from a Parkinson's disease patient carrying a homozygous exon 3 deletion in the PRKNgene. Stem Cell Research, 2019, 41, 101624.	0.7	5
54	Involvement of proprotein convertase PCSK7 in the regulation of systemic iron homeostasis. Hepatology, 2013, 58, 1860-1861.	7.3	4

#	Article	IF	Citations
55	SLP-2: a potential new target for improving mitochondrial function in Parkinson's disease. Neural Regeneration Research, 2017, 12, 1435.	3.0	4
56	Parkin gene modifies the effect of RLS4 on the age at onset of restless legs syndrome (RLS). American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 350-355.	1.7	3
57	Update on the management of restless legs syndrome: existing and emerging treatment options. Nature and Science of Sleep, 2010, 2, 199.	2.7	3
58	Generation and characterization of induced pluripotent stem cell (iPSC) lines of two asymptomatic individuals carrying a heterozygous exon 7 deletion in Parkin (PRKN) and two non-carriers from the same family. Stem Cell Research, 2022, 60, 102692.	0.7	1
59	A genome on shaky ground: exploring the impact of mitochondrial DNA integrity on Parkinsonâ€™s disease by highlighting the use of cybrid models. Cellular and Molecular Life Sciences, 2022, 79, 283.	5.4	1
60	ParkScreen: A Low-Cost Rapid Linkage Marker Panel for Parkinsonâ€™s Disease. Journal of Molecular Neuroscience, 2009, 39, 235-241.	2.3	0
61	Deregulation of miRNAs 103a, 30b and 29a in peripheral blood of L-dopa treated Parkinson's patients. Parkinsonism and Related Disorders, 2016, 22, e189-e190.	2.2	0
62	Generation of an induced pluripotent stem cell line (EURACi014-A) from a Parkinsonâ€™s disease patient with an A53T mutation in the SNCA gene by an integration-free reprogramming method. Stem Cell Research, 2022, 60, 102713.	0.7	0