

# Robert P Igo

## 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.

102  
papers

5,223  
citations

36  
h-index

71  
g-index

106  
ext. papers

6,337  
ext. citations

9.2  
avg, IF

4.32  
L-index

#	Paper	IF	Citations
102	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , <b>2016</b> , 48, 134-43	36.3	769
101	Seven new loci associated with age-related macular degeneration. <i>Nature Genetics</i> , <b>2013</b> , 45, 433-9, 439e163	36.3	577
100	Genome-wide meta-analyses of multi-ancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. <i>Nature Genetics</i> , <b>2013</b> , 45, 314-8	36.3	314
99	An RNA ligase essential for RNA editing and survival of the bloodstream form of <i>Trypanosoma brucei</i> . <i>Science</i> , <b>2001</b> , 291, 2159-62	33.3	171
98	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2016</b> , 48, 189-94	36.3	159
97	Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004517	6	151
96	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , <b>2018</b> , 50, 834-848	36.3	135
95	Heritability of the severity of diabetic retinopathy: the FIND-Eye study <b>2008</b> , 49, 3839-45		133
94	Genome-wide analyses identify 68 new loci associated with intraocular pressure and improve risk prediction for primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2018</b> , 50, 778-782	36.3	122
93	Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 264-77	11	116
92	Association of two novel proteins, TbMP52 and TbMP48, with the <i>Trypanosoma brucei</i> RNA editing complex. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 380-9	4.8	116
91	TbMP57 is a 3' terminal uridylyl transferase (TUTase) of the <i>Trypanosoma brucei</i> editosome. <i>Molecular Cell</i> , <b>2003</b> , 11, 1525-36	17.6	104
90	Four related proteins of the <i>Trypanosoma brucei</i> RNA editing complex. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 6833-40	4.8	103
89	Uridylate addition and RNA ligation contribute to the specificity of kinetoplastid insertion RNA editing. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 8447-57	4.8	98
88	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. <i>Cell</i> , <b>2017</b> , 170, 199-212.e20	56.2	94
87	Genetic evidence for role of carotenoids in age-related macular degeneration in the Carotenoids in Age-Related Eye Disease Study (CAREDS) <b>2014</b> , 55, 587-99		91
86	Genome-Wide Association and Trans-ethnic Meta-Analysis for Advanced Diabetic Kidney Disease: Family Investigation of Nephropathy and Diabetes (FIND). <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005352	6	84

85	Meta-analysis of gene-environment-wide association scans accounting for education level identifies additional loci for refractive error. <i>Nature Communications</i> , <b>2016</b> , 7, 11008	17.4	79
84	Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. <i>Nature Genetics</i> , <b>2020</b> , 52, 160-166	36.3	78
83	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , <b>2017</b> , 49, 993-1004	36.3	72
82	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. <i>Diabetes</i> , <b>2018</b> , 67, 1414-1427	0.9	71
81	Genetic determinants of macular pigments in women of the Carotenoids in Age-Related Eye Disease Study <b>2013</b> , 54, 2333-45		68
80	Genome-wide association study identifies three novel loci in Fuchs endothelial corneal dystrophy. <i>Nature Communications</i> , <b>2017</b> , 8, 14898	17.4	66
79	Role of uridylate-specific exoribonuclease activity in <i>Trypanosoma brucei</i> RNA editing. <i>Eukaryotic Cell</i> , <b>2002</b> , 1, 112-8		66
78	Linkage analyses of four regions previously implicated in dyslexia: confirmation of a locus on chromosome 15q. <i>American Journal of Medical Genetics Part A</i> , <b>2004</b> , 131B, 67-75		61
77	A multicenter study to map genes for Fuchs endothelial corneal dystrophy: baseline characteristics and heritability. <i>Cornea</i> , <b>2012</b> , 31, 26-35	3.1	57
76	Vitamin D intake and season modify the effects of the GC and CYP2R1 genes on 25-hydroxyvitamin D concentrations. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 17-26	4.1	56
75	A genome scan in multigenerational families with dyslexia: Identification of a novel locus on chromosome 2q that contributes to phonological decoding efficiency. <i>Molecular Psychiatry</i> , <b>2005</b> , 10, 699-711	15.1	54
74	A Locus at 5q33.3 Confers Resistance to Tuberculosis in Highly Susceptible Individuals. <i>American Journal of Human Genetics</i> , <b>2016</b> , 98, 514-524	11	53
73	Genome-wide association identifies SKIV2L and MYRIP as protective factors for age-related macular degeneration. <i>Genes and Immunity</i> , <b>2010</b> , 11, 609-21	4.4	53
72	Genomewide linkage scan for diabetic renal failure and albuminuria: the FIND study. <i>American Journal of Nephrology</i> , <b>2011</b> , 33, 381-9	4.6	48
71	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. <i>Nature Communications</i> , <b>2021</b> , 12, 1258	17.4	47
70	RNA sequence and base pairing effects on insertion editing in <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 1567-76	4.8	44
69	Polymorphisms in TICAM2 and IL1B are associated with TB. <i>Genes and Immunity</i> , <b>2015</b> , 16, 127-133	4.4	41
68	A 32 kb critical region excluding Y402H in CFH mediates risk for age-related macular degeneration. <i>PLoS ONE</i> , <b>2011</b> , 6, e25598	3.7	41

67	Clinical and epidemiological characteristics of individuals resistant to M. tuberculosis infection in a longitudinal TB household contact study in Kampala, Uganda. <i>BMC Infectious Diseases</i> , <b>2014</b> , 14, 352	4	36
66	Association of smoking and other risk factors with Fuchs' endothelial corneal dystrophy severity and corneal thickness <b>2013</b> , 54, 5829-35		35
65	Genomewide scan for real-word reading subphenotypes of dyslexia: novel chromosome 13 locus and genetic complexity. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , <b>2006</b> , 141B, 15-27	3.5	35
64	Low-density lipoprotein particle size loci in familial combined hyperlipidemia: evidence for multiple loci from a genome scan. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1942-50	9.4	35
63	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 5827-37	5.6	34
62	Differing roles for TCF4 and COL8A2 in central corneal thickness and fuchs endothelial corneal dystrophy. <i>PLoS ONE</i> , <b>2012</b> , 7, e46742	3.7	34
61	Kinetoplastid RNA editing ligases: complex association, characterization, and substrate requirements. <i>Molecular and Biochemical Parasitology</i> , <b>2003</b> , 127, 161-7	1.9	33
60	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 322, 1682-1691	27.4	31
59	Some capabilities for model-based and model-free linkage analysis using the program package S.A.G.E. (Statistical Analysis for Genetic Epidemiology). <i>Human Heredity</i> , <b>2011</b> , 72, 237-46	1.1	31
58	A Common Variant in MIR182 Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium <b>2016</b> , 57, 4528-4535		31
57	Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. <i>Diabetes</i> , <b>2019</b> , 68, 441-456	0.9	31
56	A genome-wide search for linkage of estimated glomerular filtration rate (eGFR) in the Family Investigation of Nephropathy and Diabetes (FIND). <i>PLoS ONE</i> , <b>2013</b> , 8, e81888	3.7	23
55	Genome scan of a nonword repetition phenotype in families with dyslexia: evidence for multiple loci. <i>Behavior Genetics</i> , <b>2008</b> , 38, 462-75	3.2	23
54	Endoribonuclease activities of Trypanosoma brucei mitochondria. <i>Molecular and Biochemical Parasitology</i> , <b>2002</b> , 120, 23-31	1.9	22
53	Genetic susceptibility to tuberculosis associated with cathepsin Z haplotype in a Ugandan household contact study. <i>Human Immunology</i> , <b>2011</b> , 72, 426-30	2.3	19
52	A chromosome 5q31.1 locus associates with tuberculin skin test reactivity in HIV-positive individuals from tuberculosis hyper-endemic regions in east Africa. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006710	6	19
51	Genetic Risk Scores. <i>Current Protocols in Human Genetics</i> , <b>2019</b> , 104, e95	3.2	19
50	Empirical significance values for linkage analysis: trait simulation using posterior model distributions from MCMC oligogenic segregation analysis. <i>Genetic Epidemiology</i> , <b>2008</b> , 32, 119-31	2.6	17

49	The specificity of nucleotide removal during RNA editing in <i>Trypanosoma brucei</i> . <i>Rna</i> , <b>2001</b> , 7, 1793-802	5.8	17
48	Practical barriers and ethical challenges in genetic data sharing. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 8383-98	4.6	16
47	Analysis of positional candidate genes in the AAA1 susceptibility locus for abdominal aortic aneurysms on chromosome 19. <i>BMC Medical Genetics</i> , <b>2011</b> , 12, 14	2.1	16
46	genotype identifies glucocorticoid responsiveness in severe asthma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2187-2193	11.5	15
45	AmpliSeq transcriptome analysis of human alveolar and monocyte-derived macrophages over time in response to <i>Mycobacterium tuberculosis</i> infection. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198221	3.7	15
44	Interaction between host genes and <i>Mycobacterium tuberculosis</i> lineage can affect tuberculosis severity: Evidence for coevolution?. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008728	6	14
43	Genetic Risk Scores. <i>Current Protocols in Human Genetics</i> , <b>2016</b> , 91, 1.29.1-1.29.9	3.2	14
42	Fine-mapping analysis of a chromosome 2 region linked to resistance to <i>Mycobacterium tuberculosis</i> infection in Uganda reveals potential regulatory variants. <i>Genes and Immunity</i> , <b>2019</b> , 20, 473-483	4.4	11
41	Linkage and association analyses identify a candidate region for apoB level on chromosome 4q32.3 in FCHL families. <i>Human Genetics</i> , <b>2010</b> , 127, 705-19	6.3	11
40	Segregation analysis of a complex quantitative trait: approaches for identifying influential data points. <i>Human Heredity</i> , <b>2006</b> , 61, 80-6	1.1	11
39	Myocilin Mutations in Patients With Normal-Tension Glaucoma. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 559-563	9	11
38	Association of APOE With Primary Open-Angle Glaucoma Suggests a Protective Effect for APOE ε4		9
	<b>2020</b> , 61, 3		
37	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets		9
	<b>2018</b> , 59, 629-636		
36	Genetic correlations between intraocular pressure, blood pressure and primary open-angle glaucoma: a multi-cohort analysis. <i>European Journal of Human Genetics</i> , <b>2017</b> , 25, 1261-1267	5.3	9
35	Mitochondrial polymorphism A10398G and Haplogroup I are associated with Fuchs' endothelial corneal dystrophy		9
	<b>2014</b> , 55, 4577-84		
34	Genome-wide linkage scans for type 2 diabetes mellitus in four ethnically diverse populations-significant evidence for linkage on chromosome 4q in African Americans: the Family Investigation of Nephropathy and Diabetes Research Group. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2009</b> , 25, 740-7	7.5	9
33	New mutations and phenotypes associated with glutamate and aspartate transport in Chinese hamster ovary (CHO-K1) cells. <i>Somatic Cell and Molecular Genetics</i> , <b>1996</b> , 22, 87-103		8
32	Differential Long-Term Outcomes for Individuals With Histories of Preschool Speech Sound Disorders. <i>American Journal of Speech-Language Pathology</i> , <b>2019</b> , 28, 1582-1596	3.1	8

31	Pathway Analysis Integrating Genome-Wide and Functional Data Identifies PLCG2 as a Candidate Gene for Age-Related Macular Degeneration <b>2019</b> , 60, 4041-4051		7
30	Selection of Chinese hamster ovary cells (CHO-K1) with reduced glutamate and aspartate uptake. <i>Somatic Cell and Molecular Genetics</i> , <b>1993</b> , 19, 231-43		7
29	Genetic Correlations Between Diabetes and Glaucoma: An Analysis of Continuous and Dichotomous Phenotypes. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 206, 245-255	4.9	6
28	AMISH EYE STUDY: Baseline Spectral Domain Optical Coherence Tomography Characteristics of Age-Related Macular Degeneration. <i>Retina</i> , <b>2019</b> , 39, 1540-1550	3.6	6
27	Association between AVPR1A, DRD2, and ASPM and endophenotypes of communication disorders. <i>Psychiatric Genetics</i> , <b>2014</b> , 24, 191-200	2.9	6
26	Association mapping by generalized linear regression with density-based haplotype clustering. <i>Genetic Epidemiology</i> , <b>2009</b> , 33, 16-26	2.6	6
25	Association of Rare CYP39A1 Variants With Exfoliation Syndrome Involving the Anterior Chamber of the Eye. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 325, 753-764	27.4	6
24	Quality Control for the Illumina HumanExome BeadChip. <i>Current Protocols in Human Genetics</i> , <b>2016</b> , 90, 2.14.1-2.14.16	3.2	5
23	Age at natural menopause genetic risk score in relation to age at natural menopause and primary open-angle glaucoma in a US-based sample. <i>Menopause</i> , <b>2017</b> , 24, 150-156	2.5	5
22	Density-based clustering in haplotype analysis for association mapping. <i>BMC Proceedings</i> , <b>2007</b> , 1 Suppl 1, S27	2.3	5
21	Numerical analysis reveals complexities of glutamate transport. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1993</b> , 1149, 109-18	3.8	5
20	Bayesian intervals for linkage locations. <i>Genetic Epidemiology</i> , <b>2009</b> , 33, 604-16	2.6	4
19	Issues in association mapping with high-density SNP data and diverse family structures. <i>Genetic Epidemiology</i> , <b>2007</b> , 31 Suppl 1, S22-33	2.6	4
18	Novel regulations of glutamate and aspartate uptake by HeLa cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1995</b> , 1233, 153-62	3.8	4
17	A large cross-ancestry meta-analysis of genome-wide association studies identifies 69 novel risk loci for primary open-angle glaucoma and includes a genetic link with Alzheimer's disease		4
16	Genetic risk scores in complex eye disorders <b>2020</b> , 259-275		4
15	Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. <i>JAMA Ophthalmology</i> , <b>2021</b> , 139, 601-609	3.9	4
14	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. <i>Communications Biology</i> , <b>2020</b> , 3, 755	6.7	3

13	Gene Set Enrichment Analyses Identify Pathways Involved in Genetic Risk for Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , <b>2021</b> , 233, 111-123	4.9	3
12	Rare variants and loci for age-related macular degeneration in the Ohio and Indiana Amish. <i>Human Genetics</i> , <b>2019</b> , 138, 1171-1182	6.3	2
11	In vitro assays for kinetoplastid U insertion-deletion editing and associated activities. <i>Methods in Molecular Biology</i> , <b>2004</b> , 265, 251-72	1.4	2
10	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration: A Mendelian Randomization Study. <i>JAMA Ophthalmology</i> , <b>2021</b> ,	3.9	2
9	Association between genes regulating neural pathways for quantitative traits of speech and language disorders. <i>Npj Genomic Medicine</i> , <b>2021</b> , 6, 64	6.2	2
8	Selecting SNPs informative for African, American Indian and European Ancestry: application to the Family Investigation of Nephropathy and Diabetes (FIND). <i>BMC Genomics</i> , <b>2016</b> , 17, 325	4.5	1
7	Interaction between host genes and M. tuberculosis lineage can affect tuberculosis severity: evidence for coevolution		1
6	Comparison of requirements and capabilities of major multipurpose software packages. <i>Methods in Molecular Biology</i> , <b>2012</b> , 850, 539-58	1.4	1
5	Autosomal dominant hereditary spastic paraplegia with axonal sensory motor polyneuropathy maps to chromosome 21q 22.3. <i>International Journal of Neuroscience</i> , <b>2016</b> , 126, 600-6	2	
4	Markov Chain Monte Carlo Linkage Analysis Methods <b>2009</b> , 147-169		
3	Genetically-guided algorithm development and sample size optimization for age-related macular degeneration cases and controls in electronic health records from the VA Million Veteran Program. <i>AMIA Summits on Translational Science Proceedings</i> , <b>2019</b> , 2019, 153-162	1.1	
2	Statistical driver genes as a means to uncover missing heritability for age-related macular degeneration. <i>BMC Medical Genomics</i> , <b>2020</b> , 13, 95	3.7	
1	Methylome-wide Analysis Reveals Epigenetic Marks Associated With Resistance to Tuberculosis in Human Immunodeficiency Virus-Infected Individuals From East Africa. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 224, 695-704	7	