

Robin G Walters

List of Publications by Year in descending order

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97
papers

11,013
citations

47006

47
h-index

40979

93
g-index

117
all docs

117
docs citations

117
times ranked

14801
citing authors

#	ARTICLE	IF	CITATIONS
1	REGULATION OF LIGHT HARVESTING IN GREEN PLANTS. Annual Review of Plant Biology, 1996, 47, 655-684.	14.3	1,574
2	Towards an understanding of photosynthetic acclimation. Journal of Experimental Botany, 2004, 56, 435-447.	4.8	502
3	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. Nature, 2010, 463, 671-675.	27.8	476
4	Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. Nature, 2011, 478, 97-102.	27.8	394
5	Acclimation of Arabidopsis thaliana to the light environment: the existence of separate low light and high light responses. Planta, 2001, 213, 794-801.	3.2	384
6	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
7	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. Nature Genetics, 2019, 51, 481-493.	21.4	350
8	Conventional and genetic evidence on alcohol and vascular disease aetiology: a prospective study of 500,000 men and women in China. Lancet, The, 2019, 393, 1831-1842.	13.7	320
9	Lipids, Lipoproteins, and Metabolites and Risk of Myocardial Infarction and Stroke. Journal of the American College of Cardiology, 2018, 71, 620-632.	2.8	294
10	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	27.8	282
11	Regulation of Light Harvesting in Green Plants (Indication by Nonphotochemical Quenching of) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.8	277
12	Resolution of components of non-photochemical chlorophyll fluorescence quenching in barley leaves. Photosynthesis Research, 1991, 27, 121-133.	2.9	264
13	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. Nature Genetics, 2017, 49, 416-425.	21.4	257
14	A deletion of the HBII-85 class of small nucleolar RNAs (snoRNAs) is associated with hyperphagia, obesity and hypogonadism. Human Molecular Genetics, 2009, 18, 3257-3265.	2.9	253
15	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. Nature Genetics, 2022, 54, 560-572.	21.4	250
16	Absence of the Lhcb1 and Lhcb2 proteins of the light-harvesting complex of photosystem II - effects on photosynthesis, grana stacking and fitness. Plant Journal, 2003, 35, 350-361.	5.7	243
17	Genomic Analyses from Non-invasive Prenatal Testing Reveal Genetic Associations, Patterns of Viral Infections, and Chinese Population History. Cell, 2018, 175, 347-359.e14.	28.9	213
18	Causal associations of blood lipids with risk of ischemic stroke and intracerebral hemorrhage in Chinese adults. Nature Medicine, 2019, 25, 569-574.	30.7	200

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19	Genetic insights into biological mechanisms governing human ovarian ageing. <i>Nature</i> , 2021, 596, 393-397.	27.8	183
20	Identification of risk loci and a polygenic risk score for lung cancer: a large-scale prospective cohort study in Chinese populations. <i>Lancet Respiratory Medicine</i> , 2019, 7, 881-891.	10.7	167
21	Genome-wide association study of intracranial aneurysms identifies 17 risk loci and genetic overlap with clinical risk factors. <i>Nature Genetics</i> , 2020, 52, 1303-1313.	21.4	163
22	Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. <i>Plant Cell</i> , 2001, 13, 1193-1204.	6.6	152
23	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects. <i>Nature Genetics</i> , 2022, 54, 581-592.	21.4	142
24	Mortality and recurrent vascular events after first incident stroke: a 9-year community-based study of 0.5 million Chinese adults. <i>The Lancet Global Health</i> , 2020, 8, e580-e590.	6.3	137
25	Childhood Obesity Is Associated with Shorter Leukocyte Telomere Length. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 1500-1505.	3.6	127
26	Higher Plant Light-Harvesting Complexes LHCIIa and LHCIIc are Bound by Dicyclohexylcarbodiimide During Inhibition of Energy Dissipation. <i>FEBS Journal</i> , 1994, 226, 1063-1069.	0.2	119
27	Identification of proton-active residues in a higher plant light-harvesting complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 14204-14209.	7.1	116
28	A Mutant of Arabidopsis Lacking the Triose-Phosphate/Phosphate Translocator Reveals Metabolic Regulation of Starch Breakdown in the Light. <i>Plant Physiology</i> , 2004, 135, 891-906.	4.8	116
29	Acclimation of Arabidopsis thaliana to the light environment: the relationship between photosynthetic function and chloroplast composition. <i>Planta</i> , 2004, 218, 793-802.	3.2	114
30	Age-specific association between blood pressure and vascular and non-vascular chronic diseases in 0.5 million adults in China: a prospective cohort study. <i>The Lancet Global Health</i> , 2018, 6, e641-e649.	6.3	110
31	Theoretical assessment of alternative mechanisms for non-photochemical quenching of PS II fluorescence in barley leaves. <i>Photosynthesis Research</i> , 1993, 36, 119-139.	2.9	107
32	Acclimation of Arabidopsis thaliana to the light environment: the role of photoreceptors. <i>Planta</i> , 1999, 209, 517-527.	3.2	105
33	The Genetic Architecture of Depression in Individuals of East Asian Ancestry. <i>JAMA Psychiatry</i> , 2021, 78, 1258.	11.0	88
34	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019, 10, 4957.	12.8	84
35	Association of vitamin D with risk of type 2 diabetes: A Mendelian randomisation study in European and Chinese adults. <i>PLoS Medicine</i> , 2018, 15, e1002566.	8.4	82
36	Identification of Mutants of Arabidopsis Defective in Acclimation of Photosynthesis to the Light Environment. <i>Plant Physiology</i> , 2003, 131, 472-481.	4.8	80

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37	The relative and attributable risks of cardia and non-cardia gastric cancer associated with <i>Helicobacter pylori</i> infection in China: a case-cohort study. <i>Lancet Public Health</i> , The, 2021, 6, e888-e896.	10.0	78
38	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , 2018, 9, 5052.	12.8	75
39	The transferability of lipid loci across African, Asian and European cohorts. <i>Nature Communications</i> , 2019, 10, 4330.	12.8	75
40	Truncating Homozygous Mutation of Carboxypeptidase E (CPE) in a Morbidly Obese Female with Type 2 Diabetes Mellitus, Intellectual Disability and Hypogonadotropic Hypogonadism. <i>PLoS ONE</i> , 2015, 10, e0131417.	2.5	72
41	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. <i>Circulation</i> , 2018, 138, 2499-2512.	1.6	69
42	The molecular mechanism of the control of excitation energy dissipation in chloroplast membranes Inhibition of P^+ pH-dependent quenching of chlorophyll fluorescence by dicyclohexylcarbodiimide. <i>FEBS Letters</i> , 1992, 309, 175-179.	2.8	68
43	Evaluating the cardiovascular safety of sclerostin inhibition using evidence from meta-analysis of clinical trials and human genetics. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	68
44	Human genes involved in copy number variation: mechanisms of origin, functional effects and implications for disease. <i>Cytogenetic and Genome Research</i> , 2008, 123, 17-26.	1.1	67
45	Adiposity and risk of ischaemic and haemorrhagic stroke in 0.5 million Chinese men and women: a prospective cohort study. <i>The Lancet Global Health</i> , 2018, 6, e630-e640.	6.3	59
46	Association of <i>CETP</i> Gene Variants With Risk for Vascular and Nonvascular Diseases Among Chinese Adults. <i>JAMA Cardiology</i> , 2018, 3, 34.	6.1	54
47	Small Deletion Variants Have Stable Breakpoints Commonly Associated with Alu Elements. <i>PLoS ONE</i> , 2008, 3, e3104.	2.5	52
48	The genetic architecture of sporadic and multiple consecutive miscarriage. <i>Nature Communications</i> , 2020, 11, 5980.	12.8	52
49	Acclimation of <i>Arabidopsis thaliana</i> to the light environment: changes in photosynthetic function. <i>Planta</i> , 1995, 197, 306-12.	3.2	51
50	Associations of blood glucose and prevalent diabetes with risk of cardiovascular disease in 500 000 adult Chinese: the China Kadoorie Biobank. <i>Diabetic Medicine</i> , 2014, 31, 540-551.	2.3	45
51	cnvHap: an integrative population and haplotype-based multiplatform model of SNPs and CNVs. <i>Nature Methods</i> , 2010, 7, 541-546.	19.0	44
52	Vitamin D and cause-specific vascular disease and mortality: a Mendelian randomisation study involving 99,012 Chinese and 106,911 European adults. <i>BMC Medicine</i> , 2019, 17, 160.	5.5	44
53	Genetic Predisposition to Type 2 Diabetes and Risk of Subclinical Atherosclerosis and Cardiovascular Diseases Among 160,000 Chinese Adults. <i>Diabetes</i> , 2019, 68, 2155-2164.	0.6	42
54	Evaluation of type 2 diabetes genetic risk variants in Chinese adults: findings from 93,000 individuals from the China Kadoorie Biobank. <i>Diabetologia</i> , 2016, 59, 1446-1457.	6.3	41

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55	Trans-ethnic Mendelian-randomization study reveals causal relationships between cardiometabolic factors and chronic kidney disease. <i>International Journal of Epidemiology</i> , 2022, 50, 1995-2010.	1.9	39
56	Genetic risk, adherence to a healthy lifestyle, and type 2 diabetes risk among 550,000 Chinese adults: results from 2 independent Asian cohorts. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 698-707.	4.7	38
57	Novel association approach for variable number tandem repeats (VNTRs) identifies DOCK5 as a susceptibility gene for severe obesity. <i>Human Molecular Genetics</i> , 2012, 21, 3727-3738.	2.9	37
58	A genome-wide association study of a lipoprotein-associated phospholipase A ₂ loss-of-function variant in 90 000 Chinese adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1588-1599.	1.9	36
59	Fresh fruit consumption and all-cause and cause-specific mortality: findings from the China Kadoorie Biobank. <i>International Journal of Epidemiology</i> , 2017, 46, 1444-1455.	1.9	35
60	Genetically Elevated LDL Associates with Lower Risk of Intracerebral Hemorrhage. <i>Annals of Neurology</i> , 2020, 88, 56-66.	5.3	35
61	Improved prediction of fracture risk leveraging a genome-wide polygenic risk score. <i>Genome Medicine</i> , 2021, 13, 16.	8.2	35
62	Rare Genomic Structural Variants in Complex Disease: Lessons from the Replication of Associations with Obesity. <i>PLoS ONE</i> , 2013, 8, e58048.	2.5	33
63	A large-scale genome-wide association analysis of lung function in the Chinese population identifies novel loci and highlights shared genetic aetiology with obesity. <i>European Respiratory Journal</i> , 2021, 58, 2100199.	6.7	30
64	Limb development genes underlie variation in human fingerprint patterns. <i>Cell</i> , 2022, 185, 95-112.e18.	28.9	30
65	Polygenic risk scores for prediction of breast cancer risk in Asian populations. <i>Genetics in Medicine</i> , 2022, 24, 586-600.	2.4	27
66	Bone mineral density and risk of type 2 diabetes and coronary heart disease: A Mendelian randomization study. <i>Wellcome Open Research</i> , 2017, 2, 68.	1.8	26
67	Physical Activity, Sedentary Leisure Time, Circulating Metabolic Markers, and Risk of Major Vascular Diseases. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, 386-396.	3.6	24
68	Lipoprotein-Associated Phospholipase A ₂ Loss-of-Function Variant and Risk of Vascular Diseases in 90,000 Chinese Adults. <i>Journal of the American College of Cardiology</i> , 2016, 67, 230-231.	2.8	23
69	Association of low-activity ALDH2 and alcohol consumption with risk of esophageal cancer in Chinese adults: A population-based cohort study. <i>International Journal of Cancer</i> , 2018, 143, 1652-1661.	5.1	22
70	Alcohol drinking and risks of liver cancer and non-neoplastic chronic liver diseases in China: a 10-year prospective study of 0.5 million adults. <i>BMC Medicine</i> , 2021, 19, 216.	5.5	22
71	Structural and functional heterogeneity in the major light-harvesting complexes of higher plants. <i>Journal of Molecular Biology</i> , 1999, 61, 77-90.		21
72	Regional variations in the prevalence and misdiagnosis of air flow obstruction in China: baseline results from a prospective cohort of the China Kadoorie Biobank (CKB). <i>BMJ Open Respiratory Research</i> , 2014, 1, e000025.	3.0	21

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73	Dairy consumption and risks of total and site-specific cancers in Chinese adults: an 11-year prospective study of 0.5 million people. <i>BMC Medicine</i> , 2022, 20, 134.	5.5	20
74	Alcohol metabolism genes and risks of site-specific cancers in Chinese adults: An 11-year prospective study. <i>International Journal of Cancer</i> , 2022, 150, 1627-1639.	5.1	19
75	Epigenome-wide analysis of DNA methylation and coronary heart disease: a nested case-control study. <i>ELife</i> , 2021, 10, .	6.0	16
76	Systemic inflammation is associated with incident stroke and heart disease in East Asians. <i>Scientific Reports</i> , 2020, 10, 5605.	3.3	15
77	Improved lipidomic profile mediates the effects of adherence to healthy lifestyles on coronary heart disease. <i>ELife</i> , 2021, 10, .	6.0	15
78	Causal effects of gallstone disease on risk of gastrointestinal cancer in Chinese. <i>British Journal of Cancer</i> , 2021, 124, 1864-1872.	6.4	13
79	Alcohol drinking and risks of total and site-specific cancers in China: A 10-year prospective study of 0.5 million adults. <i>International Journal of Cancer</i> , 2021, 149, 522-534.	5.1	13
80	Association of Red Meat Consumption, Metabolic Markers, and Risk of Cardiovascular Diseases. <i>Frontiers in Nutrition</i> , 2022, 9, 833271.	3.7	11
81	famCNV: copy number variant association for quantitative traits in families. <i>Bioinformatics</i> , 2011, 27, 1873-1875.	4.1	10
82	Gene-Targeted Analysis of Copy Number Variants Identifies 3 Novel Associations With Coronary Heart Disease Traits. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 555-560.	5.1	9
83	Genetic associations of adult height with risk of cardioembolic and other subtypes of ischemic stroke: A mendelian randomization study in multiple ancestries. <i>PLoS Medicine</i> , 2022, 19, e1003967.	8.4	9
84	Increasing Rice Photosynthesis by Manipulation of the Acclimation and Adaptation to Light. <i>Novartis Foundation Symposium</i> , 2001, 236, 117-134.	1.1	8
85	Applying Mendelian randomization to appraise causality in relationships between nutrition and cancer. <i>Cancer Causes and Control</i> , 2022, 33, 631-652.	1.8	7
86	The effects of elevated light on Photosystem II function: A thermoluminescence study. <i>Photosynthesis Research</i> , 1997, 54, 169-183.	2.9	6
87	The Use of Light Pulses to Investigate the Relaxation in the Dark of Chlorophyll Fluorescence Quenching in Barley Leaves. , 1990, , 631-634.		6
88	Metabolic Signatures of Genetically Elevated Vitamin D Among Chinese: Observational and Mendelian Randomization Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3249-e3260.	3.6	5
89	Association of heart rate and diabetes among 0.5 million adults in the China Kadoorie biobank: Results from observational and Mendelian randomization analyses. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2328-2337.	2.6	4
90	DCCD Binds to Lumen-Exposed Glutamate Residues in LHCIIc. , 1995, , 299-302.		4

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91	Abstract 16532: Impact of Systolic Blood Pressure on Cardiovascular Disease in a Chinese Population: A Mendelian Randomization Study. <i>Circulation</i> , 2014, 130, .	1.6	2
92	Association of egg consumption, metabolic markers, and risk of cardiovascular diseases: A nested case-control study. <i>ELife</i> , 0, 11, .	6.0	2
93	Alcohol consumption and vascular disease: other points to consider “ Authors' reply. <i>Lancet</i> , The, 2019, 394, 1618.	13.7	1
94	Response to comment on “Evaluating the cardiovascular safety of sclerostin inhibition using evidence from meta-analysis of clinical trials and human genetics” Science Translational Medicine, 2021, 13, eabf4530.	12.4	1
95	Science and democracy. <i>Nature</i> , 1995, 375, 10-10.	27.8	0
96	Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. <i>Plant Cell</i> , 2001, 13, 1193.	6.6	0
97	279GWAS of heart rate in 87,759 Chinese subjects highlighted its genetic correlations with cardiometabolic traits. <i>International Journal of Epidemiology</i> , 2021, 50, .	1.9	0