

Robert T Walton

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,569
citations

94433

37
h-index

102487

66
g-index

86
all docs

86
docs citations

86
times ranked

7023
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of ANKK1: A novel kinase gene closely linked to DRD2 on chromosome band 11q23.1. <i>Human Mutation</i> , 2004, 23, 540-545.	2.5	541
2	The genetic basis for smoking behavior: A systematic review and meta-analysis. <i>Nicotine and Tobacco Research</i> , 2004, 6, 583-598.	2.6	280
3	Ventral Striatum/Nucleus Accumbens Activation to Smoking-Related Pictorial Cues in Smokers and Nonsmokers: A Functional Magnetic Resonance Imaging Study. <i>Biological Psychiatry</i> , 2005, 58, 488-494.	1.3	259
4	A Functional Genetic Variation of the Serotonin (5-HT) Transporter Affects 5-HT _{1A} Receptor Binding in Humans. <i>Journal of Neuroscience</i> , 2005, 25, 2586-2590.	3.6	253
5	Genetic variation in dopaminergic pathways and short-term effectiveness of the nicotine patch. <i>Pharmacogenetics and Genomics</i> , 2004, 14, 83-90.	5.7	141
6	The use of mobile applications to support self-management for people with asthma: a systematic review of controlled studies to identify features associated with clinical effectiveness and adherence. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 619-632.	4.4	141
7	Association between polymorphisms in dopamine metabolic enzymes and tobacco consumption in smokers. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 483-491.	5.7	125
8	Mapping the HLA association in Behçet's disease: A role for tumor necrosis factor polymorphisms?. <i>Arthritis and Rheumatism</i> , 2003, 48, 807-813.	6.7	123
9	Determinants of the rate of nicotine metabolism and effects on smoking behavior. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 80, 319-330.	4.7	123
10	The role of zebrafish (<i>Danio rerio</i>) in dissecting the genetics and neural circuits of executive function. <i>Frontiers in Neural Circuits</i> , 2013, 7, 63.	2.8	107
11	Double-blind randomised placebo-controlled trial of bolus-dose vitamin D ₃ supplementation in adults with asthma (ViDiAs). <i>Thorax</i> , 2015, 70, 451-457.	5.6	99
12	Effectiveness of nicotine patches in relation to genotype in women versus men: randomised controlled trial. <i>BMJ: British Medical Journal</i> , 2004, 328, 989-990.	2.3	97
13	Single nucleotide polymorphisms in the vitamin D pathway associating with circulating concentrations of vitamin D metabolites and non-skeletal health outcomes: Review of genetic association studies. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 18-29.	2.5	96
14	Computer support for determining drug dose: systematic review and meta-analysis. <i>BMJ: British Medical Journal</i> , 1999, 318, 984-990.	2.3	92
15	Computer support for interpreting family histories of breast and ovarian cancer in primary care: comparative study with simulated cases. <i>BMJ: British Medical Journal</i> , 2000, 321, 28-32.	2.3	92
16	Effects of Acute Nicotine Abstinence on Cue-elicited Ventral Striatum/Nucleus Accumbens Activation in Female Cigarette Smokers: A Functional Magnetic Resonance Imaging Study. <i>Brain Imaging and Behavior</i> , 2007, 1, 43-57.	2.1	89
17	HMOX1 Gene Promoter Alleles and High HO-1 Levels Are Associated with Severe Malaria in Gambian Children. <i>PLoS Pathogens</i> , 2012, 8, e1002579.	4.7	81
18	Abstinence from smoking eight years after participation in randomised controlled trial of nicotine patch. <i>BMJ: British Medical Journal</i> , 2003, 327, 28-29.	2.3	79

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19	Impact of London's low emission zone on air quality and children's respiratory health: a sequential annual cross-sectional study. <i>Lancet Public Health</i> , The, 2019, 4, e28-e40.	10.0	79
20	Hepatitis B virus infection as a neglected tropical disease. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005842.	3.0	79
21	Maternal Genotype and Severe Preeclampsia: A HuGE Review. <i>American Journal of Epidemiology</i> , 2014, 180, 335-345.	3.4	62
22	Association of COMT Val108/158Met Genotype with Smoking Cessation in a Nicotine Replacement Therapy Randomized Trial. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 1065-1069.	2.5	58
23	The serotonin transporter 5-HTTLPR polymorphism and treatment response to nicotine patch: Follow-up of a randomized controlled trial. <i>Nicotine and Tobacco Research</i> , 2007, 9, 225-231.	2.6	56
24	DHCR7 mutations linked to higher vitamin D status allowed early human migration to Northern latitudes. <i>BMC Evolutionary Biology</i> , 2013, 13, 144.	3.2	56
25	Does the DRD2-Taq1 A polymorphism influence treatment response to bupropion hydrochloride for reduction of the nicotine withdrawal syndrome?. <i>Nicotine and Tobacco Research</i> , 2003, 5, 935-942.	2.6	53
26	Identification of CYP2B6 Sequence Variants by Use of Multiplex PCR with Allele-Specific Genotyping. <i>Clinical Chemistry</i> , 2004, 50, 1372-1377.	3.2	52
27	Inflammatory Bowel Disease Is Linked to 19p13 and Associated with ICAM-1. <i>Inflammatory Bowel Diseases</i> , 2004, 10, 173-181.	1.9	52
28	Associations Between Inflammatory and Immune Response Genes and Adverse Respiratory Outcomes Following Exposure to Outdoor Air Pollution: A HuGE Systematic Review. <i>American Journal of Epidemiology</i> , 2014, 179, 432-442.	3.4	52
29	Haplotype-specific linkage disequilibrium patterns define the genetic topography of the human MHC. <i>Human Molecular Genetics</i> , 2003, 12, 647-56.	2.9	52
30	Genetic clues to the molecular basis of tobacco addiction and progress towards personalized therapy. <i>Trends in Molecular Medicine</i> , 2001, 7, 70-76.	6.7	50
31	Interferon- γ ELISPOT as a Biomarker of Treatment Efficacy in Latent Tuberculosis Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 439-445.	5.6	49
32	No association between functional catechol O-methyl transferase 1947A>G polymorphism and smoking initiation, persistent smoking or smoking cessation. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 265-268.	5.7	48
33	Antimicrobial Susceptibility and Resistance Patterns among <i>Helicobacter pylori</i> Strains from The Gambia, West Africa. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1231-1237.	3.2	45
34	Air pollution, ethnicity and telomere length in east London schoolchildren: An observational study. <i>Environment International</i> , 2016, 96, 41-47.	10.0	44
35	New directions in the genetic mechanisms underlying nicotine addiction. <i>Addiction Biology</i> , 2001, 6, 109-117.	2.6	41
36	Association between the serotonin transporter gene and alcohol consumption in social drinkers. , 2005, 135B, 10-14.		41

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37	Influence of <i>HLA</i> Class I and <i>HLA-KIR</i> Compound Genotypes on HIV-2 Infection and Markers of Disease Progression in a Manjako Community in West Africa. <i>Journal of Virology</i> , 2010, 84, 8202-8208.	3.4	41
38	Vitamin D receptor genotype influences risk of upper respiratory infection. <i>British Journal of Nutrition</i> , 2018, 120, 891-900.	2.3	41
39	Association of serotonin transporter gene polymorphism with nicotine dependence: no evidence for an interaction with trait neuroticism. <i>Personality and Individual Differences</i> , 2005, 38, 843-850.	2.9	39
40	What works for whom in pharmacist-led smoking cessation support: realist review. <i>BMC Medicine</i> , 2016, 14, 209.	5.5	39
41	Effects of Air Pollution and the Introduction of the London Low Emission Zone on the Prevalence of Respiratory and Allergic Symptoms in Schoolchildren in East London: A Sequential Cross-Sectional Study. <i>PLoS ONE</i> , 2015, 10, e0109121.	2.5	34
42	Environmental and genetic determinants of vitamin D status among older adults in London, UK. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 30-35.	2.5	31
43	Prevalence, determinants and clinical correlates of vitamin D deficiency in patients with Chronic Obstructive Pulmonary Disease in London, UK. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 175, 138-145.	2.5	31
44	Characterization of Cytochrome P450 2D6 Alleles Using the Invader [®] , [®] System. <i>BioTechniques</i> , 2002, 32, S34-S43.	1.8	31
45	Creating a Theoretically Grounded, Gamified Health App: Lessons From Developing the Cigbreak Smoking Cessation Mobile Phone Game. <i>JMIR Serious Games</i> , 2018, 6, e10252.	3.1	29
46	Polymorphisms in dopamine metabolic enzymes and tobacco consumption in smokers: seeking confirmation of the association in a follow-up study. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 585-587.	5.7	25
47	Haplotype block structure of the cytochrome P450 CYP2C gene cluster on chromosome 10. <i>Nature Genetics</i> , 2005, 37, 915-916.	21.4	25
48	Mixed Infection with cagA Positive and cagA Negative Strains of <i>Helicobacter pylori</i> Lowers Disease Burden in The Gambia. <i>PLoS ONE</i> , 2011, 6, e27954.	2.5	25
49	Randomized Trial of Safety and Effectiveness of Chlorproguanil-Dapsone and Lumefantrine-Artemether for Uncomplicated Malaria in Children in The Gambia. <i>PLoS ONE</i> , 2011, 6, e17371.	2.5	23
50	Estimation of Saliva Cotinine Cut-Off Points for Active and Passive Smoking during Pregnancyâ€”Polish Mother and Child Cohort (REPRO_PL). <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1216.	2.6	22
51	Case finding and therapy for chronic viral hepatitis in primary care (HepFREE): a cluster-randomised controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2019, 4, 32-44.	8.1	22
52	Helpful advice and hidden expertise: pharmacy usersâ€™ experiences of community pharmacy accessibility. <i>Journal of Public Health</i> , 2016, 39, 609-615.	1.8	21
53	Understanding recruitment and retention in the NHS community pharmacy stop smoking service: perceptions of smoking cessation advisers. <i>BMJ Open</i> , 2016, 6, e010921.	1.9	21
54	Identification of slit3 as a locus affecting nicotine preference in zebrafish and human smoking behaviour. <i>ELife</i> , 2020, 9, .	6.0	21

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55	HIV and Chemokine Binding to Red Blood Cellsâ€™DARC Matters. <i>Cell Host and Microbe</i> , 2008, 4, 3-5.	11.0	20
56	Strategies to promote adoption and usage of an application to support asthma self-management: a qualitative observational study. <i>BMJ Health and Care Informatics</i> , 2018, 25, 243-253.	3.0	20
57	Effects of genetic variation at the <i>CYP2C19</i> / <i>CYP2C9</i> locus on pharmacokinetics of chlorcycloguanil in adult Gambians. <i>Pharmacogenomics</i> , 2009, 10, 1423-1431.	1.3	17
58	Time to change the paradigm? A mixed method study of the preferred and potential features of an asthma self-management app. <i>Health Informatics Journal</i> , 2020, 26, 862-879.	2.1	17
59	Smoking treatment optimisation in pharmacies (STOP): a cluster randomised pilot trial of a training intervention. <i>Pilot and Feasibility Studies</i> , 2017, 3, 1.	1.2	16
60	Equipping community pharmacy workers as agents for health behaviour change: developing and testing a theory-based smoking cessation intervention. <i>BMJ Open</i> , 2017, 7, e015637.	1.9	16
61	Mendelian randomization case-control PheWAS in UK Biobank shows evidence of causality for smoking intensity in 28 distinct clinical conditions. <i>EClinicalMedicine</i> , 2020, 26, 100488.	7.1	16
62	PCR-based genotyping of <i>Helicobacter pylori</i> of Gambian children and adults directly from biopsy specimens and bacterial cultures. <i>Gut Pathogens</i> , 2011, 3, 5.	3.4	15
63	Inactive alleles of cytochrome P450 2C19 may be positively selected in human evolution. <i>BMC Evolutionary Biology</i> , 2014, 14, 71.	3.2	15
64	Prevalence, determinants and clinical correlates of vitamin D deficiency in adults with inhaled corticosteroid-treated asthma in London, UK. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 175, 88-96.	2.5	14
65	KIR content genotypes associate with carriage of hepatitis B surface antigen, e antigen and HBV viral load in Gambians. <i>PLoS ONE</i> , 2017, 12, e0188307.	2.5	13
66	Level of nicotine replacement during a quit-smoking attempt. <i>Nicotine and Tobacco Research</i> , 2004, 6, 377-379.	2.6	12
67	Population Genetic Analyses of <i>Helicobacter pylori</i> Isolates from Gambian Adults and Children. <i>PLoS ONE</i> , 2014, 9, e109466.	2.5	12
68	Evaluating NHS Stop Smoking Service engagement in community pharmacies using simulated smokers: fidelity assessment of a theory-based intervention. <i>BMJ Open</i> , 2019, 9, e026841.	1.9	9
69	Molecular pathogenesis and early detection of hepatocellular carcinoma â€™ Perspectives from West Africa. <i>Cancer Letters</i> , 2009, 286, 44-51.	7.2	8
70	A Qualitative Study of Factors Influencing Adherence among Pregnant Women Taking Part in a Trial of E-Cigarettes for Smoking Cessation. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 430.	2.6	8
71	Zyban for smoking cessation in a general practice setting: the response to an invitation to make a quit attempt. <i>Addiction Biology</i> , 2004, 9, 227-232.	2.6	7
72	Genetic testing: the future of smoking cessation therapy?. <i>Expert Review of Molecular Diagnostics</i> , 2002, 2, 60-68.	3.1	6

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73	Zyban for smoking cessation in a general practice setting: the response to an invitation to make a quit attempt. <i>Addiction Biology</i> , 2004, 9, 227-232.	2.6	6
74	Determining counselling communication strategies associated with successful quits in the National Health Service community pharmacy Stop Smoking programme in East London: a focused ethnography using recorded consultations. <i>BMJ Open</i> , 2017, 7, e015664.	1.9	4
75	Evaluating the effectiveness and cost-effectiveness of the Smoking Treatment Optimisation in Pharmacies (STOP) intervention: protocol for a cluster randomised controlled trial. <i>Trials</i> , 2019, 20, 337.	1.6	4
76	Pharmacogenomics of Tobacco Addiction. , 0, , 443-460.		2
77	Treatment for tobacco dependence: a potential application for stratified medicine?. <i>Personalized Medicine</i> , 2011, 8, 571-579.	1.5	2
78	Need to test impact of DNA-based risk scores. <i>Thorax</i> , 2012, 67, 835-835.	5.6	1
79	Pharmacogenomics and Smoking Cessation. <i>Novartis Foundation Symposium</i> , 0, , 184-196.	1.1	0
80	Immunogenetics of HIV-2 Infection. , 2018, , 1066-1070.		0
81	STOPâ€™s training intervention to optimise treatment for smoking cessation in community pharmacies: cluster randomised controlled trial. <i>BMC Medicine</i> , 2022, 20, .	5.5	0