

Christopher G Owen

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

10,329
citations

61687

45
h-index

43601

95
g-index

112
all docs

112
docs citations

112
times ranked

13859
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of ambient air pollution with age-related macular degeneration and retinal thickness in UK Biobank. <i>British Journal of Ophthalmology</i> , 2022, 106, 705-711.	2.1	33
2	Prospective evaluation of an artificial intelligence-enabled algorithm for automated diabetic retinopathy screening of 30,000 patients. <i>British Journal of Ophthalmology</i> , 2021, 105, 723-728.	2.1	89
3	Quantifying childhood fat mass: comparison of a novel height-and-weight-based prediction approach with DXA and bioelectrical impedance. <i>International Journal of Obesity</i> , 2021, 45, 99-103.	1.6	8
4	Association of Childhood Fat Mass and Weight With Adult-Onset Type 2 Diabetes in Denmark. <i>JAMA Network Open</i> , 2021, 4, e218524.	2.8	17
5	Effect of ethnicity and other sociodemographic factors on attendance at diabetic eye screening: a 12-month retrospective cohort study. <i>BMJ Open</i> , 2021, 11, e046264.	0.8	8
6	Retinal vasculometric characteristics and their associations with polymyalgia rheumatica and giant cell arteritis in a prospective cohort: EPIC-Norfolk Eye Study. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 547-549.	0.5	0
7	Longitudinal impact of changes in the residential built environment on physical activity: findings from the ENABLE London cohort study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 96.	2.0	11
8	Retinal Vascular Tortuosity and Diameter Associations with Adiposity and Components of Body Composition. <i>Obesity</i> , 2020, 28, 1750-1760.	1.5	13
9	Retinal Vasculometry Associations With Glaucoma: Findings From the European Prospective Investigation of Cancer—Norfolk Eye Study. <i>American Journal of Ophthalmology</i> , 2020, 220, 140-151.	1.7	5
10	Weekend and weekday associations between the residential built environment and physical activity: Findings from the ENABLE London study. <i>PLoS ONE</i> , 2020, 15, e0237323.	1.1	8
11	Evaluating the effect of change in the built environment on mental health and subjective well-being: a natural experiment. <i>Journal of Epidemiology and Community Health</i> , 2020, 74, jech-2019-213591.	2.0	9
12	Use of Static Cutoffs of Hypertension to Determine High cIMT in Children and Adolescents: An International Collaboration Study. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1467-1473.	0.8	4
13	Variations in accelerometry measured physical activity and sedentary time across Europe—harmonized analyses of 47,497 children and adolescents. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 38.	2.0	176
14	The effect of moving to East Village, the former London 2012 Olympic and Paralympic Games Athletes' Village, on mode of travel (ENABLE London study, a natural experiment). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 15.	2.0	3
15	Active design of built environments for increasing levels of physical activity in adults: the ENABLE London natural experiment study. <i>Public Health Research</i> , 2020, 8, 1-162.	0.5	4
16	Development and validation of a prediction model for fat mass in children and adolescents: meta-analysis using individual participant data. <i>BMJ: British Medical Journal</i> , 2019, 366, l4293.	2.4	42
17	The effect of moving to East Village, the former London 2012 Olympic and Paralympic Games Athletes' Village, on physical activity and adiposity (ENABLE London): a cohort study. <i>Lancet Public Health</i> , The, 2019, 4, e421-e430.	4.7	14
18	Associations of Retinal Microvascular Diameters and Tortuosity With Blood Pressure and Arterial Stiffness. <i>Hypertension</i> , 2019, 74, 1383-1390.	1.3	51

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19	Associations between objectively assessed and questionnaire-based sedentary behaviour with body mass index and systolic blood pressure in Kuwaiti adolescents. <i>BMC Research Notes</i> , 2019, 12, 588.	0.6	5
20	Exploring the use of adjusted body mass index thresholds based on equivalent insulin resistance for defining overweight and obesity in UK South Asian children. <i>International Journal of Obesity</i> , 2019, 43, 1440-1443.	1.6	1
21	Image quality assessment. , 2019, , 135-155.		3
22	Retinal Vasculometry Associations with Cardiometabolic Risk Factors in the European Prospective Investigation of Cancerâ€™Norfolk Study. <i>Ophthalmology</i> , 2019, 126, 96-106.	2.5	44
23	Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2019, 126, 393-406.	2.5	88
24	Prevalence of overweight and obesity and associations with socioeconomic indicators: the study of health and activity among adolescents in Kuwait. <i>Minerva Pediatrica</i> , 2019, 71, 326-332.	2.6	11
25	Physical Activity and Sedentary Behaviors Levels of Kuwaiti Adolescents: The Study of Health and Activity Among Adolescents in Kuwait. <i>Journal of Physical Activity and Health</i> , 2018, 15, 255-262.	1.0	11
26	The contribution of physical fitness to individual and ethnic differences in risk markers for type 2 diabetes in children: The Child Heart and Health Study in England (CHASE). <i>Pediatric Diabetes</i> , 2018, 19, 603-610.	1.2	9
27	Systemic and Ocular Determinants of Peripapillary Retinal Nerve Fiber Layer Thickness Measurements in the European Eye Epidemiology (E3) Population. <i>Ophthalmology</i> , 2018, 125, 1526-1536.	2.5	62
28	Reassessing Ethnic Differences in Mean BMI and Changes Between 2007 and 2013 in English Children. <i>Obesity</i> , 2018, 26, 412-419.	1.5	8
29	The Decreasing Prevalence of Nonrefractive Visual Impairment in Older Europeans. <i>Ophthalmology</i> , 2018, 125, 1149-1159.	2.5	20
30	An open-source tool to identify active travel from hip-worn accelerometer, GPS and GIS data. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018, 15, 91.	2.0	19
31	The Effect of Longer-Term and Exclusive Breastfeeding Promotion on Visual Outcome in Adolescence. , 2018, 59, 2670.		6
32	Housing, neighbourhood and sociodemographic associations with adult levels of physical activity and adiposity: baseline findings from the ENABLE London study. <i>BMJ Open</i> , 2018, 8, e021257.	0.8	8
33	Screen time is associated with adiposity and insulin resistance in children. <i>Archives of Disease in Childhood</i> , 2017, 102, 612-616.	1.0	52
34	Automated Diabetic Retinopathy Image Assessment Software. <i>Ophthalmology</i> , 2017, 124, 343-351.	2.5	178
35	Comparisons of depression, anxiety, well-being, and perceptions of the built environment amongst adults seeking social, intermediate and market-rent accommodation in the former London Olympic Athletesâ€™ Village. <i>Health and Place</i> , 2017, 48, 31-39.	1.5	8
36	Sleep Duration and Risk of Type 2 Diabetes. <i>Pediatrics</i> , 2017, 140, .	1.0	48

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37	Reassessing patterns of childhood body-mass index, overweight, and obesity in South Asian and black participants in the English National Child Measurement Programme: use of ethnicity-specific body-mass index adjustments. <i>Lancet, The</i> , 2017, 390, S10.	6.3	0
38	Incorporating Spatial Information for Microaneurysm Detection in Retinal Images. <i>Advances in Science, Technology and Engineering Systems</i> , 2017, 2, 642-649.	0.4	2
39	Cohort profile: Examining Neighbourhood Activities in Built Living Environments in London: the ENABLE London Olympic Park cohort. <i>BMJ Open</i> , 2016, 6, e012643.	0.8	11
40	Global variations and time trends in the prevalence of childhood myopia, a systematic review and quantitative meta-analysis: implications for aetiology and early prevention. <i>British Journal of Ophthalmology</i> , 2016, 100, 882-890.	2.1	363
41	Global variations and time trends in the prevalence of primary open angle glaucoma (POAG): a systematic review and meta-analysis. <i>British Journal of Ophthalmology</i> , 2016, 100, 86-93.	2.1	352
42	An observational study to assess if automated diabetic retinopathy image assessment software can replace one or more steps of manual imaging grading and to determine their cost-effectiveness. <i>Health Technology Assessment</i> , 2016, 20, 1-72.	1.3	88
43	Consumption of takeaway meals and risk markers for coronary heart disease, type 2 diabetes, and obesity in children aged 9-10 years: a cross-sectional study. <i>Lancet, The</i> , 2015, 386, S34.	6.3	2
44	Global variations and time trends in the prevalence of childhood myopia: a systematic review and meta-analysis. <i>Lancet, The</i> , 2015, 386, S69.	6.3	5
45	Risk Factors for Childhood Myopia: Findings From the NICER Study. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1524-1530.	3.3	69
46	A study of whether automated Diabetic Retinopathy Image Assessment could replace manual grading steps in the English National Screening Programme. <i>Journal of Medical Screening</i> , 2015, 22, 112-118.	1.1	18
47	Birthweight and risk markers for type 2 diabetes and cardiovascular disease in childhood: the Child Heart and Health Study in England (CHASE). <i>Diabetologia</i> , 2015, 58, 474-484.	2.9	19
48	Incidence of Late-Stage Age-Related Macular Degeneration in American Whites: Systematic Review and Meta-analysis. <i>American Journal of Ophthalmology</i> , 2015, 160, 85-93.e3.	1.7	129
49	Body mass index in early and middle adult life: prospective associations with myocardial infarction, stroke and diabetes over a 30-year period: the British Regional Heart Study. <i>BMJ Open</i> , 2015, 5, e008105.	0.8	31
50	Sleep duration and risk markers for type 2 diabetes: a cross-sectional study in children aged 9-10 years. <i>Lancet, The</i> , 2015, 386, S4.	6.3	1
51	Recalibration of overweight-obesity prevalence from body-mass index in UK children of South Asian and black African origin: cross-sectional study based on National Child Measurement Programme data. <i>Lancet, The</i> , 2015, 386, S76.	6.3	0
52	Inter-Relationship between Rhinitis and Conjunctivitis in Allergic Rhinoconjunctivitis and Associated Risk Factors in Rural UK Children. <i>PLoS ONE</i> , 2015, 10, e0143651.	1.1	19
53	The use of measures of obesity in childhood for predicting obesity and the development of obesity-related diseases in adulthood: a systematic review and meta-analysis. <i>Health Technology Assessment</i> , 2015, 19, 1-336.	1.3	264
54	Dietary Energy Intake Is Associated With Type 2 Diabetes Risk Markers in Children. <i>Diabetes Care</i> , 2014, 37, 116-123.	4.3	36

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55	Delineation of blood vessels in pediatric retinal images using decision trees-based ensemble classification. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 795-811.	1.7	55
56	Adiposity in Early, Middle and Later Adult Life and Cardiometabolic Risk Markers in Later Life; Findings from the British Regional Heart Study. <i>PLoS ONE</i> , 2014, 9, e114289.	1.1	15
57	Influence of Adiposity on Insulin Resistance and Glycemia Markers Among U.K. Children of South Asian, Black African-Caribbean, and White European Origin. <i>Diabetes Care</i> , 2013, 36, 1712-1719.	4.3	66
58	Are Ethnic and Gender Specific Equations Needed to Derive Fat Free Mass from Bioelectrical Impedance in Children of South Asian, Black African-Caribbean and White European Origin? Results of the Assessment of Body Composition in Children Study. <i>PLoS ONE</i> , 2013, 8, e76426.	1.1	40
59	The estimated prevalence and incidence of late stage age related macular degeneration in the UK. <i>British Journal of Ophthalmology</i> , 2012, 96, 752-756.	2.1	258
60	Ethnic Differences in Carotid Intima-Media Thickness Between UK Children of Black African-Caribbean and White European Origin. <i>Stroke</i> , 2012, 43, 1747-1754.	1.0	31
61	Ethnic and socioeconomic influences on childhood blood pressure. <i>Journal of Hypertension</i> , 2012, 30, 2090-2097.	0.3	14
62	Age and Gender Variations in Age-related Macular Degeneration Prevalence in Populations of European Ancestry: A Meta-analysis. <i>Ophthalmology</i> , 2012, 119, 571-580.	2.5	266
63	An introduction to systematic reviews and meta-analyses in health care. <i>Ophthalmic and Physiological Optics</i> , 2012, 32, 174-183.	1.0	22
64	An Ensemble Classification-Based Approach Applied to Retinal Blood Vessel Segmentation. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2538-2548.	2.5	670
65	Travel to School and Physical Activity Levels in 9-10 Year-Old UK Children of Different Ethnic Origin; Child Heart and Health Study in England (CHASE). <i>PLoS ONE</i> , 2012, 7, e30932.	1.1	51
66	Socio-Economic Position and Type 2 Diabetes Risk Factors: Patterns in UK Children of South Asian, Black African-Caribbean and White European Origin. <i>PLoS ONE</i> , 2012, 7, e32619.	1.1	35
67	Cardiometabolic Risk Markers in Indian Children: Comparison with UK Indian and White European Children. <i>PLoS ONE</i> , 2012, 7, e36236.	1.1	6
68	Interleukin 18 and coronary heart disease: Prospective study and systematic review. <i>Atherosclerosis</i> , 2011, 217, 227-233.	0.4	100
69	Corrigendum to "Interleukin 18 and coronary heart disease: Prospective study and systematic review" [Atherosclerosis 217 (2011) 227-233]. <i>Atherosclerosis</i> , 2011, 219, 970.	0.4	0
70	Refractive and Corneal Astigmatism in White School Children in Northern Ireland. , 2011, 52, 4048.		34
71	Breast-feeding and cardiovascular risk factors and outcomes in later life: evidence from epidemiological studies. <i>Proceedings of the Nutrition Society</i> , 2011, 70, 478-484.	0.4	74
72	Does β -adrenoceptor blocker therapy improve cancer survival? Findings from a population-based retrospective cohort study. <i>British Journal of Clinical Pharmacology</i> , 2011, 72, 157-161.	1.1	112

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73	Childhood ethnic differences in ametropia and ocular biometry: the Aston Eye Study. <i>Ophthalmic and Physiological Optics</i> , 2011, 31, 550-558.	1.0	69
74	Commentary: Effect of initial breastfeeding on cardiovascular risk in later life—a perspective from lower-middle-income countries. <i>International Journal of Epidemiology</i> , 2011, 40, 62-64.	0.9	5
75	Retinal Arteriolar Tortuosity and Cardiovascular Risk Factors in a Multi-Ethnic Population Study of 10-Year-Old Children; the Child Heart and Health Study in England (CHASE). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1933-1938.	1.1	82
76	Retinal Vessel Extraction Using First-Order Derivative of Gaussian and Morphological Processing. <i>Lecture Notes in Computer Science</i> , 2011, , 410-420.	1.0	28
77	Family Dog Ownership and Levels of Physical Activity in Childhood: Findings From the Child Heart and Health Study in England. <i>American Journal of Public Health</i> , 2010, 100, 1669-1671.	1.5	58
78	Ethnic Differences in the Prevalence of Myopia and Ocular Biometry in 10- and 11-Year-Old Children: The Child Heart and Health Study in England (CHASE). , 2010, 51, 6270.		86
79	Hypotensive Medication, Statins, and the Risk of Glaucoma. , 2010, 51, 3524.		41
80	Early Emergence of Ethnic Differences in Type 2 Diabetes Precursors in the UK: The Child Heart and Health Study in England (CHASE Study). <i>PLoS Medicine</i> , 2010, 7, e1000263.	3.9	127
81	Ethnic differences in blood lipids and dietary intake between UK children of black African, black Caribbean, South Asian, and white European origin: the Child Heart and Health Study in England (CHASE). <i>American Journal of Clinical Nutrition</i> , 2010, 92, 776-783.	2.2	46
82	A Comparison of Questionnaire, Accelerometer, and Pedometer. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1392-1402.	0.2	165
83	Ethnic and gender differences in physical activity levels among 9-year-old children of white European, South Asian and African-Caribbean origin: the Child Heart Health Study in England (CHASE) Tj ETQq1 0.0.7843145gBT /Ov	0.7843145	145
84	Measuring Retinal Vessel Tortuosity in 10-Year-Old Children: Validation of the Computer-Assisted Image Analysis of the Retina (CAIAR) Program. , 2009, 50, 2004.		305
85	Diabetes and the Tortuosity of Vessels of the Bulbar Conjunctiva. <i>Ophthalmology</i> , 2008, 115, e27-e32.	2.5	79
86	Birth Weight and Risk of Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2008, 300, 2886.	3.8	820
87	Effect of breastfeeding and sociodemographic factors on visual outcome in childhood and adolescence. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 1392-1399.	2.2	47
88	Does initial breastfeeding lead to lower blood cholesterol in adult life? A quantitative review of the evidence. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 305-314.	2.2	194
89	Epidemiology of primary open angle glaucoma. , 2007, , 1-16.		2
90	The Effect of Breastfeeding on Cardiorespiratory Risk Factors in Adult Life. <i>Pediatrics</i> , 2007, 119, e1107-e1115.	1.0	56

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91	Is birth weight a risk factor for ischemic heart disease in later life?. American Journal of Clinical Nutrition, 2007, 85, 1244-1250.	2.2	253
92	The relationship between physical activity, sedentary behaviour and psychological wellbeing among adolescents. Social Psychiatry and Psychiatric Epidemiology, 2007, 42, 851-856.	1.6	139
93	Sex Differences in the Association Between Birth Weight and Total Cholesterol. A Meta-Analysis. Annals of Epidemiology, 2006, 16, 19-25.	0.9	47
94	Does breastfeeding influence risk of type 2 diabetes in later life? A quantitative analysis of published evidence. American Journal of Clinical Nutrition, 2006, 84, 1043-1054.	2.2	366
95	Is the NEI-VFQ-25 a useful tool in identifying visual impairment in an elderly population?. BMC Ophthalmology, 2006, 6, 24.	0.6	53
96	Variations in Primary Open-Angle Glaucoma Prevalence by Age, Gender, and Race: A Bayesian Meta-Analysis. , 2006, 47, 4254.		394
97	Commentary: Early life determinants of blood pressure in childhood“ where do we go from here?. International Journal of Epidemiology, 2006, 35, 877-879.	0.9	0
98	The effect of breastfeeding on mean body mass index throughout life: a quantitative review of published and unpublished observational evidence. American Journal of Clinical Nutrition, 2005, 82, 1298-1307.	2.2	388
99	Breast-feeding and childhood cancer: A systematic review with metaanalysis. International Journal of Cancer, 2005, 117, 1020-1031.	2.3	128
100	Breast-Feeding and Cancer: The Boyd Orr Cohort and a Systematic Review With Meta-Analysis. Journal of the National Cancer Institute, 2005, 97, 1446-1457.	3.0	69
101	Are early life factors responsible for international differences in adult blood pressure? An ecological study. International Journal of Epidemiology, 2005, 34, 649-654.	0.9	10
102	Effect of Infant Feeding on the Risk of Obesity Across the Life Course: A Quantitative Review of Published Evidence. Pediatrics, 2005, 115, 1367-1377.	1.0	939
103	Vascular Response of the Bulbar Conjunctiva to Diabetes and Elevated Blood Pressure. Ophthalmology, 2005, 112, 1801-1808.	2.5	50
104	A comparison of manual and automated methods of measuring conjunctival vessel widths from photographic and digital images. Ophthalmic and Physiological Optics, 2004, 24, 74-81.	1.0	12
105	Birth Weight and Subsequent Cholesterol Levels. JAMA - Journal of the American Medical Association, 2004, 292, 2755.	3.8	136
106	Topical treatments for seasonal allergic conjunctivitis: systematic review and meta-analysis of efficacy and effectiveness. British Journal of General Practice, 2004, 54, 451-6.	0.7	44
107	Effect of breast feeding in infancy on blood pressure in later life: systematic review and meta-analysis. BMJ: British Medical Journal, 2003, 327, 1189-1195.	2.4	182
108	Birth Weight and Blood Cholesterol Level: A Study in Adolescents and Systematic Review. Pediatrics, 2003, 111, 1081-1089.	1.0	88

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109	Infant Feeding and Blood Cholesterol: A Study in Adolescents and a Systematic Review. <i>Pediatrics</i> , 2002, 110, 597-608.	1.0	286
110	Optimal green (red-free) digital imaging of conjunctival vasculature. <i>Ophthalmic and Physiological Optics</i> , 2002, 22, 234-243.	1.0	21
111	A new computer assisted objective method for quantifying vascular changes of the bulbar conjunctivae. <i>Ophthalmic and Physiological Optics</i> , 1996, 16, 430-437.	1.0	23