

Glen E Duncan

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

6,364
citations

94433

37
h-index

69250

77
g-index

106
all docs

106
docs citations

106
times ranked

10070
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Aerobic Exercise on Mild Cognitive Impairment. Archives of Neurology, 2010, 67, 71-9.	4.5	915
2	Accuracy of five electronic pedometers for measuring distance walked. Medicine and Science in Sports and Exercise, 1996, 28, 1071-1077.	0.4	443
3	Prevalence and Trends of a Metabolic Syndrome Phenotype Among U.S. Adolescents, 1999-2000. Diabetes Care, 2004, 27, 2438-2443.	8.6	409
4	Exercise Training, Without Weight Loss, Increases Insulin Sensitivity and Postheparin Plasma Lipase Activity in Previously Sedentary Adults. Diabetes Care, 2003, 26, 557-562.	8.6	326
5	Access to green space, physical activity and mental health: a twin study. Journal of Epidemiology and Community Health, 2015, 69, 523-529.	3.7	261
6	Aerobic Exercise Improves Cognition for Older Adults with Glucose Intolerance, A Risk Factor for Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 22, 569-579.	2.6	215
7	Genetic and environmental effects on body mass index from infancy to the onset of adulthood: an individual-based pooled analysis of 45 twin cohorts participating in the COllaborative project of Development of Anthropometrical measures in Twins (CODATwins) study. American Journal of Clinical Nutrition, 2016, 104, 371-379.	4.7	175
8	Applicability of $\dot{V}O_2$ max criteria: discontinuous versus continuous protocols. Medicine and Science in Sports and Exercise, 1997, 29, 273-278.	0.4	169
9	Physical Activity and Heart Rate Variability in Older Adults. Circulation, 2014, 129, 2100-2110.	1.6	168
10	Prevalence of Diabetes and Impaired Fasting Glucose Levels Among US Adolescents. JAMA Pediatrics, 2006, 160, 523.	3.0	158
11	Prescribing Exercise at Varied Levels of Intensity and Frequency. Archives of Internal Medicine, 2005, 165, 2362.	3.8	152
12	Genetic and environmental influences on height from infancy to early adulthood: An individual-based pooled analysis of 45 twin cohorts. Scientific Reports, 2016, 6, 28496.	3.3	133
13	Using Smart City Technology to Make Healthcare Smarter. Proceedings of the IEEE, 2018, 106, 708-722.	21.3	120
14	Can Sedentary Adults Accurately Recall the Intensity of Their Physical Activity?. Preventive Medicine, 2001, 33, 18-26.	3.4	113
15	Physical Activity and Change in Estimated GFR among Persons with CKD. Journal of the American Society of Nephrology: JASN, 2014, 25, 399-406.	6.1	113
16	Differences in genetic and environmental variation in adult BMI by sex, age, time period, and region: an individual-based pooled analysis of 40 twin cohorts. American Journal of Clinical Nutrition, 2017, 106, 457-466.	4.7	107
17	Energy cost of stair climbing and descending on the college alumnus questionnaire. Medicine and Science in Sports and Exercise, 1997, 29, 1250-1254.	0.4	95
18	Perceived change in physical activity levels and mental health during COVID-19: Findings among adult twin pairs. PLoS ONE, 2020, 15, e0237695.	2.5	91

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19	New Horizons in Sensor Development. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, S24-S31.	0.4	87
20	Emerging Technologies for Assessing Physical Activity Behaviors in Space and Time. <i>Frontiers in Public Health</i> , 2014, 2, 2.	2.7	87
21	Lifeâ€™s Simple 7 and Incidence of Diabetes Among American Indians: The Strong Heart Family Study. <i>Diabetes Care</i> , 2014, 37, 2240-2245.	8.6	87
22	Associations of processed meat and unprocessed red meat intake with incident diabetes: the Strong Heart Family Study. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 752-758.	4.7	76
23	Modest Levels of Physical Activity Are Associated With a Lower Incidence of Diabetes in a Population With a High Rate of Obesity: The Strong Heart Family Study. <i>Diabetes Care</i> , 2012, 35, 1743-1745.	8.6	73
24	Differential Metabolic Effects of Saturated<i>Versus</i>Polyunsaturated Fats in Ketogenic Diets. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1641-1645.	3.6	71
25	University of Washington Twin Registry: Poised for the Next Generation of Twin Research. <i>Twin Research and Human Genetics</i> , 2013, 16, 455-462.	0.6	71
26	Food Access and Cost in American Indian Communities in Washington State. <i>Journal of the American Dietetic Association</i> , 2011, 111, 1375-1379.	1.1	62
27	Stress, Anxiety, and Change in Alcohol Use During the COVID-19 Pandemic: Findings Among Adult Twin Pairs. <i>Frontiers in Psychiatry</i> , 2020, 11, 571084.	2.6	59
28	Validated caloric expenditure estimation using a single body-worn sensor. , 2009, , .		58
29	BALANCE. , 2009, 2009, 5.		58
30	The CODATwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits. <i>Twin Research and Human Genetics</i> , 2015, 18, 348-360.	0.6	55
31	Exercise, fitness, and cardiovascular disease risk in type 2 diabetes and the metabolic syndrome. <i>Current Diabetes Reports</i> , 2006, 6, 29-35.	4.2	53
32	The built environment and utilitarian walking in small U.S. towns. <i>Preventive Medicine</i> , 2014, 69, 80-86.	3.4	52
33	The "fit but fat" concept revisited: population-based estimates using NHANES. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2010, 7, 47.	4.6	49
34	Blood lactate and perceived exertion relative to ventilatory threshold: boys versus men. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1332-1337.	0.4	47
35	Characterizing the food environment: pitfalls and future directions. <i>Public Health Nutrition</i> , 2013, 16, 1238-1243.	2.2	46
36	Is marriage a buzzkill? A twin study of marital status and alcohol consumption.. <i>Journal of Family Psychology</i> , 2016, 30, 698-707.	1.3	44

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37	Worksite Study Promoting Activity and Changes in Eating (PACE): Design and Baseline Results. Obesity, 2007, 15, 4S-15S.	3.0	42
38	Effects of exercise on emerging and traditional cardiovascular risk factors. Preventive Medicine, 2004, 39, 894-902.	3.4	40
39	A Twin Study of Genetic Influences on Nephrolithiasis in Women and Men. Kidney International Reports, 2019, 4, 535-540.	0.8	39
40	DNA methylation associated with healthy aging of elderly twins. GeroScience, 2018, 40, 469-484.	4.6	38
41	Association of American Indian cultural identity with physical activity. Ethnicity and Disease, 2014, 24, 1-7.	2.3	38
42	Assessment of Physical Activity in Chronic Kidney Disease. , 2013, 23, 123-131.		36
43	Dichloroacetate Therapy Attenuates the Blood Lactate Response to Submaximal Exercise in Patients with Defects in Mitochondrial Energy Metabolism. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1733-1738.	3.6	35
44	Cardiovascular Fitness among U.S. Adults: NHANES 1999-2000 and 2001-2002. Medicine and Science in Sports and Exercise, 2005, 37, 1324-1328.	0.4	35
45	Unique Environmental Effects on Physical Activity Participation: A Twin Study. PLoS ONE, 2008, 3, e2019.	2.5	35
46	Fear and depression linked to COVID-19 exposure A study of adult twins during the COVID-19 pandemic. Psychiatry Research, 2021, 296, 113699.	3.3	35
47	Associations between social capital and depression: A study of adult twins. Health and Place, 2018, 50, 162-167.	3.3	33
48	QUICKI Does Not Accurately Reflect Changes in Insulin Sensitivity with Exercise Training. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4115-4119.	3.6	32
49	Population-Based Reference Standards for Cardiovascular Fitness among U.S. Adults. Medicine and Science in Sports and Exercise, 2006, 38, 701-707.	0.4	29
50	Comparison of perceived health to physiological measures of health in Black and White women This work was supported by HL58873 and RR0082.. Preventive Medicine, 2003, 36, 624-628.	3.4	28
51	Socioeconomic modifiers of genetic and environmental influences on body mass index in adult twins.. Health Psychology, 2016, 35, 157-166.	1.6	28
52	Zygosity Differences in Height and Body Mass Index of Twins From Infancy to Old Age: A Study of the CODATwins Project. Twin Research and Human Genetics, 2015, 18, 557-570.	0.6	24
53	Sleep Duration and Area-Level Deprivation in Twins. Sleep, 2016, 39, 67-77.	1.1	23
54	Associations between neighbourhood characteristics and depression: a twin study. Journal of Epidemiology and Community Health, 2018, 72, 202-207.	3.7	23

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55	Quasi-causal associations of physical activity and neighborhood walkability with body mass index: A twin study. <i>Preventive Medicine</i> , 2015, 70, 90-95.	3.4	22
56	Epidemiology of Physical Activity in American Indians in the Education and Research Towards Health Cohort. <i>American Journal of Preventive Medicine</i> , 2009, 37, 488-494.	3.0	21
57	Environmental Assessment at Worksites After a Multilevel Intervention to Promote Activity and Changes in Eating: The PACE Project. <i>Journal of Occupational and Environmental Medicine</i> , 2010, 52, S22-S28.	1.7	21
58	Stepping towards causation in studies of neighborhood and environmental effects: How twin research can overcome problems of selection and reverse causation. <i>Health and Place</i> , 2014, 27, 106-111.	3.3	20
59	Worksite Neighborhood and Obesogenic Behaviors. <i>American Journal of Preventive Medicine</i> , 2015, 48, 31-41.	3.0	20
60	The Washington State Twin Registry: 2019 Update. <i>Twin Research and Human Genetics</i> , 2019, 22, 788-793.	0.6	20
61	Physiological and Perceptual Responses to Graded Treadmill and Cycle Exercise in Male Children. <i>Pediatric Exercise Science</i> , 1996, 8, 251-258.	1.0	19
62	GPS-based built environment measures associated with adult physical activity. <i>Health and Place</i> , 2021, 70, 102602.	3.3	18
63	Cross Sectional Association between Spatially Measured Walking Bouts and Neighborhood Walkability. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 412.	2.6	17
64	Plateau in Oxygen Uptake at Maximal Exercise in Male Children. <i>Pediatric Exercise Science</i> , 1996, 8, 77-86.	1.0	16
65	Behavioral and Environmental Modification of the Genetic Influence on Body Mass Index: A Twin Study. <i>Behavior Genetics</i> , 2015, 45, 409-426.	2.1	16
66	Heritability of Type 2 Diabetes in the Washington State Twin Registry. <i>Twin Research and Human Genetics</i> , 2019, 22, 95-98.	0.6	15
67	Differences in Stress and Anxiety Among Women With and Without Children in the Household During the Early Months of the COVID-19 Pandemic. <i>Frontiers in Public Health</i> , 2021, 9, 688462.	2.7	15
68	Accuracy of a novel multi-sensor board for measuring physical activity and energy expenditure. <i>European Journal of Applied Physiology</i> , 2011, 111, 2025-2032.	2.5	13
69	QUICKI Does Not Accurately Reflect Changes in Insulin Sensitivity with Exercise Training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4115-4119.	3.6	13
70	BALANCE (Bioengineering Approaches for Lifestyle Activity and Nutrition Continuous Engagement): Developing New Technology for Monitoring Energy Balance in Real Time. <i>Journal of Diabetes Science and Technology</i> , 2010, 4, 429-434.	2.2	12
71	Soda intake and osteoporosis risk in postmenopausal American-Indian women. <i>Public Health Nutrition</i> , 2011, 14, 1900-1906.	2.2	12
72	Genetic and environmental influences on residential location in the US. <i>Health and Place</i> , 2012, 18, 515-519.	3.3	12

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73	Measurement of neighborhood-based physical activity bouts. <i>Health and Place</i> , 2021, 70, 102595.	3.3	12
74	Metabolic and Perceptual Responses to Short-Term Cycle Training in Children. <i>Pediatric Exercise Science</i> , 1998, 10, 110-122.	1.0	11
75	Increases in physical activity may affect quality of life differently in men and women: the PACE project. <i>Quality of Life Research</i> , 2013, 22, 2381-2388.	3.1	11
76	Substrate Metabolism during Exercise in Children and the "Crossover Concept". <i>Pediatric Exercise Science</i> , 1999, 11, 12-21.	1.0	10
77	Usability of a Personal Air Pollution Monitor: Design-Feedback Iterative Cycle Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e12023.	3.7	10
78	Examination of Cross-Sectional Associations of Neighborhood Deprivation and Alcohol Outlet Density With Hazardous Drinking Using a Twin Design. <i>Journal of Studies on Alcohol and Drugs</i> , 2018, 79, 68-73.	1.0	9
79	QUICKI Is Not a Useful and Accurate Index of Insulin Sensitivity following Exercise Training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 950-951.	3.6	8
80	Physical Activity and Cervical Cancer Testing Among American Indian Women. <i>Journal of Rural Health</i> , 2012, 28, 320-326.	2.9	8
81	Sleep duration and post-traumatic stress disorder symptoms: a twin study. <i>Sleep</i> , 2019, 42, .	1.1	8
82	Differential models of twin correlations in skew for body-mass index (BMI). <i>PLoS ONE</i> , 2018, 13, e0194968.	2.5	8
83	Variation in WIC Cash-Value Voucher Redemption Among American Indian Reservation Communities in Washington State. <i>Journal of Hunger and Environmental Nutrition</i> , 2016, 11, 254-262.	1.9	7
84	Do married and/or cohabiting individuals fare better during the COVID-19 pandemic? Satisfaction with life and depression among adult twins in the United States. <i>Psychology, Health and Medicine</i> , 2023, 28, 131-138.	2.4	7
85	Age at dieting onset, body mass index, and dieting practices. A twin study. <i>Appetite</i> , 2013, 71, 301-306.	3.7	6
86	Associations Between Fast-Food Consumption and Body Mass Index: A Cross-Sectional Study in Adult Twins. <i>Twin Research and Human Genetics</i> , 2015, 18, 375-382.	0.6	6
87	Changes in physical activity levels and mental health during COVID-19: Prospective findings among adult twin pairs. <i>PLoS ONE</i> , 2021, 16, e0260218.	2.5	6
88	Age and kidney function are the primary correlates of fasting plasma total homocysteine levels in non-diabetic and diabetic adults. Results from the 1999-2002 National Health and Nutrition Examination Survey. <i>Nutrition and Metabolism</i> , 2005, 2, 13.	3.0	5
89	Measuring slope to improve energy expenditure estimates during field-based activities. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 352-356.	1.9	5
90	Response to Letter Regarding Article, "Physical Activity and Heart Rate Variability in Older Adults: The Cardiovascular Health Study". <i>Circulation</i> , 2015, 131, e349-50.	1.6	5

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91	Participant Experience Using GPS Devices in a Food Environment and Nutrition Study. <i>Journal of Hunger and Environmental Nutrition</i> , 2016, 11, 414-427.	1.9	5
92	Cross-sectional association between soda consumption and body mass index in a community-based sample of twins. <i>Nutrition Journal</i> , 2017, 16, 48.	3.4	5
93	Probabilistic walking models using built environment and sociodemographic predictors. <i>Population Health Metrics</i> , 2019, 17, 7.	2.7	4
94	Psychometric and Classification Properties of the Peas in a Pod Questionnaire. <i>Twin Research and Human Genetics</i> , 2020, 23, 247-255.	0.6	4
95	Familial factors predicting recovery and maintenance of physical activity in people with low back pain: Insights from a population-based twin study. <i>European Journal of Pain</i> , 2019, 23, 367-377.	2.8	3
96	Cohort Profile: TWINS study of environment, lifestyle behaviours and health. <i>International Journal of Epidemiology</i> , 2019, 48, 1041-1041h.	1.9	3
97	Neighborhood Deprivation Moderates Shared and Unique Environmental Influences on Hazardous Drinking: Findings from a Cross-Sectional Co-Twin Study. <i>Substance Use and Misuse</i> , 2020, 55, 1625-1632.	1.4	2
98	QUICKI Is Not a Useful and Accurate Index of Insulin Sensitivity following Exercise Training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 950-951.	3.6	2
99	Educational attainment of same-sex and opposite-sex dizygotic twins: An individual-level pooled study of 19 twin cohorts. <i>Hormones and Behavior</i> , 2021, 136, 105054.	2.1	1
100	1172 PLATEAU IN OXYGEN CONSUMPTION AT MAXIMAL EXERCISE IN MALE CHILDREN. <i>Medicine and Science in Sports and Exercise</i> , 1994, 26, S209.	0.4	0
101	Association between low back pain and body mass index in adult twins: an analysis of monozygotic and dizygotic twins of the Washington State Twin Registry. <i>Spine Journal</i> , 2020, 20, 1805-1815.	1.3	0
102	Title is missing!. , 2020, 15, e0237695.		0
103	Title is missing!. , 2020, 15, e0237695.		0
104	Title is missing!. , 2020, 15, e0237695.		0
105	Title is missing!. , 2020, 15, e0237695.		0