

Grant Ryan Tomkinson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1245590/grant-ryan-tomkinson-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

3,263
citations

27
h-index

55
g-index

112
ext. papers

4,048
ext. citations

4.9
avg, IF

5.67
L-index

#	Paper	IF	Citations
100	Japanese physical fitness surveillance: a greater need for international publications that utilize the world's best physical fitness database. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2022 , 11, 161-167	0.5	3
99	Handgrip strength asymmetry is associated with slow gait speed and poorer standing balance in older Americans.. <i>Archives of Gerontology and Geriatrics</i> , 2022 , 102, 104716	4	1
98	Temporal trends in 6-minute walking distance for older Japanese adults between 1998 and 2017. <i>Journal of Sport and Health Science</i> , 2021 , 10, 462-469	8.2	4
97	Player Profiling and Monitoring in Basketball: A Delphi Study of the Most Important Non-Game Performance Indicators from the Perspective of Elite Athlete Coaches. <i>Sports Medicine</i> , 2021 , 1	10.6	0
96	Effects of Exercise Training on Resting Testosterone Concentrations in Insufficiently Active Men: A Systematic Review and Meta-Analysis.. <i>Journal of Strength and Conditioning Research</i> , 2021 , 35, 3521-3528	3.2	1
95	Temporal Trends in the Standing Broad Jump Performance of 10,940,801 Children and Adolescents Between 1960 and 2017. <i>Sports Medicine</i> , 2021 , 51, 531-548	10.6	12
94	Developing a New Curvilinear Allometric Model to Improve the Fit and Validity of the 20-m Shuttle Run Test as a Predictor of Cardiorespiratory Fitness in Adults and Youth. <i>Sports Medicine</i> , 2021 , 51, 1581-1589	10.6	5
93	Physical fitness of Latin America children and adolescents: a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2021 , 11, e047122	3	0
92	Response to the Comment by Armstrong and Welsman on 'Developing a New Curvilinear Allometric Model to Improve the Fit and Validity of the 20-m Shuttle Run Test as a Predictor of Cardiorespiratory Fitness in Adults and Youth'. <i>Sports Medicine</i> , 2021 , 51, 1595-1597	10.6	1
91	Assessing Additional Characteristics of Muscle Function With Digital Handgrip Dynamometry and Accelerometry: Framework for a Novel Handgrip Strength Protocol. <i>Journal of the American Medical Directors Association</i> , 2021 , 22, 2313-2318	5.9	5
90	Walking speed and balance both improved in older Japanese adults between 1998 and 2018. <i>Journal of Exercise Science and Fitness</i> , 2021 , 19, 204-208	3.1	2
89	Handgrip Strength Asymmetry and Weakness Together Are Associated With Functional Disability in Aging Americans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 291-296	6.4	16
88	Sleeping time is associated with functional limitations in a national sample of older Americans. <i>Aging Clinical and Experimental Research</i> , 2021 , 33, 175-182	4.8	3
87	Temporal Trends in the Standing Broad Jump Performance of United States Children and Adolescents. <i>Research Quarterly for Exercise and Sport</i> , 2021 , 92, 71-81	1.9	6
86	Handgrip Weakness and Asymmetry Independently Predict the Development of New Activity Limitations: Results from Analyses of Longitudinal Data from the US Health and Retirement Study. <i>Journal of the American Medical Directors Association</i> , 2021 , 22, 821-826.e1	5.9	4
85	The impact of the mechanical whole-body vibration experienced during military land transit on the physical attributes underpinning dismounted combatant physical performance: A randomised controlled trial. <i>Journal of Science and Medicine in Sport</i> , 2021 , 24, 380-385	4.4	
84	The relationship between digit ratio (2D:4D) and muscular fitness: A systematic review and meta-analysis. <i>American Journal of Human Biology</i> , 2021 , e23657	2.7	2

83	Health-Related Criterion-Referenced Cut-Points for Musculoskeletal Fitness Among Youth: A Systematic Review. <i>Sports Medicine</i> , 2021 , 51, 2629-2646	10.6	5
82	How Should Adult Handgrip Strength Be Normalized? Allometry Reveals New Insights and Associated Reference Curves. <i>Medicine and Science in Sports and Exercise</i> , 2021 ,	1.2	2
81	Health-Related Criterion-Referenced Cut-Points for Cardiorespiratory Fitness Among Youth: A Systematic Review. <i>Sports Medicine</i> , 2021 , 1	10.6	2
80	Prediction of military combat clothing size using decision trees and 3D body scan data. <i>Applied Ergonomics</i> , 2021 , 95, 103435	4.2	2
79	The relationship between the digit ratio (2D:4D) and vertical jump performance in young athletes. <i>American Journal of Human Biology</i> , 2021 , e23679	2.7	0
78	Cluster size prediction for military clothing using 3D body scan data. <i>Applied Ergonomics</i> , 2021 , 96, 103487	4.2	5
77	Temporal trends in step test performance for Chinese adults between 2000 and 2014. <i>Journal of Exercise Science and Fitness</i> , 2021 , 19, 216-222	3.1	1
76	Trends in physical fitness among Canadian adults, 2007 to 2017. <i>Health Reports</i> , 2021 , 32, 3-15	4.7	0
75	Discussion of "Establishing modified Canadian Aerobic Fitness Test (mCAFT) cut-points to detect clustered cardiometabolic risk among Canadian children and youth aged 9 to 17 years" - The need for foundational fitness research in Canada: is there room for innovation?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 344-345	3	1
74	Temporal trends in the sit-ups performance of 9,939,289 children and adolescents between 1964 and 2017. <i>Journal of Sports Sciences</i> , 2020 , 38, 1913-1923	3.6	12
73	Handgrip Strength Asymmetry and Weakness May Accelerate Time to Mortality in Aging Americans. <i>Journal of the American Medical Directors Association</i> , 2020 , 21, 2003-2007.e1	5.9	10
72	A Systematic Analysis of Temporal Trends in the Handgrip Strength of 2,216,320 Children and Adolescents Between 1967 and 2017. <i>Sports Medicine</i> , 2020 , 50, 1129-1144	10.6	11
71	Criterion-referenced mCAFT cut-points to identify metabolically healthy cardiorespiratory fitness among adults aged 18-69 years: an analysis of the Canadian Health Measures Survey. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 1007-1014	3	0
70	Global Surveillance of Cardiorespiratory and Musculoskeletal Fitness 2020 , 47-68		2
69	Testing validity of FitnessGram in two samples of US adolescents (12-15 years). <i>Journal of Exercise Science and Fitness</i> , 2020 , 18, 129-135	3.1	3
68	Reliability of the Styku 3D Whole-Body Scanner for the Assessment of Body Size in Athletes. <i>Measurement in Physical Education and Exercise Science</i> , 2020 , 24, 228-234	1.9	1
67	Factors associated with adherence to the muscle-strengthening activity guideline among adolescents. <i>Psychology of Sport and Exercise</i> , 2020 , 51, 101747	4.2	5
66	Temporal Trends in the Handgrip Strength of 2,592,714 Adults from 14 Countries Between 1960 and 2017: A Systematic Analysis. <i>Sports Medicine</i> , 2020 , 50, 2175-2191	10.6	6

65	Life on holidays: study protocol for a 3-year longitudinal study tracking changes in children's fitness and fatness during the in-school versus summer holiday period. <i>BMC Public Health</i> , 2019 , 19, 1353	4.1	4
64	Test-retest reliability of TRIMP in collegiate ice hockey players. <i>Biology of Sport</i> , 2019 , 36, 191-194	4.3	2
63	The 20-m Shuttle Run: Assessment and Interpretation of Data in Relation to Youth Aerobic Fitness and Health. <i>Pediatric Exercise Science</i> , 2019 , 31, 152-163	2	35
62	Utility of international normative 20 m shuttle run values for identifying youth at increased cardiometabolic risk. <i>Journal of Sports Sciences</i> , 2019 , 37, 507-514	3.6	11
61	Normative-referenced percentile values for physical fitness among Canadians. <i>Health Reports</i> , 2019 , 30, 14-22	4.7	10
60	Temporal Trends in the Cardiorespiratory Fitness of 2,525,827 Adults Between 1967 and 2016: A Systematic Review. <i>Sports Medicine</i> , 2019 , 49, 41-55	10.6	39
59	The great leap backward: changes in the jumping performance of Australian children aged 11-12-years between 1985 and 2015. <i>Journal of Sports Sciences</i> , 2019 , 37, 748-754	3.6	20
58	Temporal trends in the cardiorespiratory fitness of children and adolescents representing 19 high-income and upper middle-income countries between 1981 and 2014. <i>British Journal of Sports Medicine</i> , 2019 , 53, 478-486	10.3	108
57	Review of criterion-referenced standards for cardiorespiratory fitness: what percentage of 1 142 026 international children and youth are apparently healthy?. <i>British Journal of Sports Medicine</i> , 2019 , 53, 953-958	10.3	35
56	Relationship Between Skating Economy and Performance During a Repeated-Shift Test in Elite and Subelite Ice Hockey Players. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 1109-1113	3.2	4
55	Making a Case for Cardiorespiratory Fitness Surveillance Among Children and Youth. <i>Exercise and Sport Sciences Reviews</i> , 2018 , 46, 66-75	6.7	51
54	The relationship between ventilatory threshold and repeated-sprint ability in competitive male ice hockey players. <i>Journal of Exercise Science and Fitness</i> , 2018 , 16, 32-36	3.1	4
53	International variability in 20 m shuttle run performance in children and youth: who are the fittest from a 50-country comparison? A systematic literature review with pooling of aggregate results. <i>British Journal of Sports Medicine</i> , 2018 , 52, 276	10.3	62
52	Test-retest reliability of jump execution variables using mechanography: a comparison of jump protocols. <i>Journal of Sports Sciences</i> , 2018 , 36, 963-969	3.6	5
51	Relationships between the second to fourth digit ratio (2D:4D) and game-related statistics in semi-professional female basketball players. <i>American Journal of Human Biology</i> , 2018 , 30, e23070	2.7	6
50	Systematic review of the relationship between 20m shuttle run performance and health indicators among children and youth. <i>Journal of Science and Medicine in Sport</i> , 2018 , 21, 383-397	4.4	79
49	Cardiorespiratory fitness in children: Evidence for criterion-referenced cut-points. <i>PLoS ONE</i> , 2018 , 13, e0201048	3.7	11
48	Field-based measurement of cardiorespiratory fitness to evaluate physical activity interventions. <i>Bulletin of the World Health Organization</i> , 2018 , 96, 794-796	8.2	23

47	European normative values for physical fitness in children and adolescents aged 9-17 years: results from 2 779 165 Eurofit performances representing 30 countries. <i>British Journal of Sports Medicine</i> , 2018 , 52, 1445-14563	10.3	127
46	Results from Australia's 2018 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2018 , 15, S315-S317	2.5	23
45	The Simulation of the Whole-Body Vibration Experienced During Military Land Transit. <i>Human Factors and Mechanical Engineering for Defense and Safety</i> , 2018 , 2, 1	1.7	2
44	Cardiorespiratory fitness is associated with physical literacy in a large sample of Canadian children aged 8 to 12 years. <i>BMC Public Health</i> , 2018 , 18, 1041	4.1	22
43	Relationships between the digit ratio (2D:4D) and game-related statistics in professional and semi-professional male basketball players. <i>American Journal of Human Biology</i> , 2018 , 30, e23182	2.7	3
42	Time changes in the body dimensions of male Australian Army personnel between 1977 and 2012. <i>Applied Ergonomics</i> , 2017 , 58, 18-24	4.2	13
41	Addition of the apical oblique projection increases the detection of acute traumatic shoulder abnormalities in adults. <i>Emergency Radiology</i> , 2017 , 24, 329-334	3	3
40	International normative 20 m shuttle run values from 1 142 026 children and youth representing 50 countries. <i>British Journal of Sports Medicine</i> , 2017 , 51, 1545-1554	10.3	118
39	Digit ratio (2D:4D) and muscular strength in adolescent boys. <i>Early Human Development</i> , 2017 , 113, 7-9	2.2	11
38	Relationships between digit ratio (2D:4D) and basketball performance in Australian men. <i>American Journal of Human Biology</i> , 2017 , 29, e22937	2.7	13
37	No Effect of a Whey Growth Factor Extract during Resistance Training on Strength, Body Composition, or Hypertrophic Gene Expression in Resistance-Trained Young Men. <i>Journal of Sports Science and Medicine</i> , 2017 , 16, 230-238	2.7	1
36	The contribution of organised sports to physical activity in Australia: Results and directions from the Active Healthy Kids Australia 2014 Report Card on physical activity for children and young people. <i>Journal of Science and Medicine in Sport</i> , 2016 , 19, 407-12	4.4	39
35	Global Matrix 2.0: Report Card Grades on the Physical Activity of Children and Youth Comparing 38 Countries. <i>Journal of Physical Activity and Health</i> , 2016 , 13, S343-S366	2.5	278
34	Results From Australia's 2016 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2016 , 13, S87-S94	2.5	20
33	Introduction to the Global Matrix 2.0: Report Card Grades on the Physical Activity of Children and Youth Comparing 38 Countries. <i>Journal of Physical Activity and Health</i> , 2016 , 13, S85-S86	2.5	16
32	Australia and Other Nations Are Failing to Meet Sedentary Behaviour Guidelines for Children: Implications and a Way Forward. <i>Journal of Physical Activity and Health</i> , 2016 , 13, 177-88	2.5	13
31	Relationships between digit ratio (2D:4D) and female competitive rowing performance. <i>American Journal of Human Biology</i> , 2015 , 27, 157-63	2.7	24
30	Early myogenic responses to acute exercise before and after resistance training in young men. <i>Physiological Reports</i> , 2015 , 3, e12511	2.6	9

29	Physical activity report cards: Active Healthy Kids Global Alliance and The Lancet Physical Activity Observatory. <i>Journal of Physical Activity and Health</i> , 2015 , 12, 297-8	2.5	6
28	Can resistance training change the strength, body composition and self-concept of overweight and obese adolescent males? A randomised controlled trial. <i>British Journal of Sports Medicine</i> , 2014 , 48, 1482-8	10.3	37
27	Physical activity of children: a global matrix of grades comparing 15 countries. <i>Journal of Physical Activity and Health</i> , 2014 , 11 Suppl 1, S113-25	2.5	237
26	Results from Australia's 2014 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2014 , 11 Suppl 1, S21-5	2.5	27
25	Volumetric differences in body shape among adults with differing body mass index values: An analysis using three-dimensional body scans. <i>American Journal of Human Biology</i> , 2014 , 26, 156-63	2.7	11
24	What is the effect of resistance training on the strength, body composition and psychosocial status of overweight and obese children and adolescents? A Systematic review and meta-analysis. <i>Sports Medicine</i> , 2013 , 43, 893-907	10.6	68
23	Quantification of the postural and technical errors in asymptomatic adults using direct 3D whole body scan measurements of standing posture. <i>Gait and Posture</i> , 2013 , 37, 172-7	2.6	19
22	Research priorities for child and adolescent physical activity and sedentary behaviours: an international perspective using a twin-panel Delphi procedure. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2013 , 10, 112	8.4	32
21	Normative health-related fitness values for children: analysis of 85347 test results on 9-17-year-old Australians since 1985. <i>British Journal of Sports Medicine</i> , 2013 , 47, 98-108	10.3	124
20	Testing the activitystat hypothesis: a randomised controlled trial protocol. <i>BMC Public Health</i> , 2012 , 12, 851	4.1	4
19	Temporal changes in long-distance running performance of Asian children between 1964 and 2009. <i>Sports Medicine</i> , 2012 , 42, 267-79	10.6	31
18	Technical note: Criterion validity of whole body surface area equations: a comparison using 3D laser scanning. <i>American Journal of Physical Anthropology</i> , 2012 , 148, 148-55	2.5	18
17	Is three-dimensional anthropometric analysis as good as traditional anthropometric analysis in predicting junior rowing performance?. <i>Journal of Sports Sciences</i> , 2012 , 30, 1241-8	3.6	13
16	Aerobic fitness and its relationship to sport, exercise training and habitual physical activity during youth. <i>British Journal of Sports Medicine</i> , 2011 , 45, 849-58	10.3	123
15	International Olympic Committee consensus statement on the health and fitness of young people through physical activity and sport. <i>British Journal of Sports Medicine</i> , 2011 , 45, 839-48	10.3	85
14	What proportion of youth are physically active? Measurement issues, levels and recent time trends. <i>British Journal of Sports Medicine</i> , 2011 , 45, 859-65	10.3	196
13	The importance of site location for girth measurements. <i>Journal of Sports Sciences</i> , 2010 , 28, 751-7	3.6	9
12	Three-dimensional anthropometric analysis: differences between elite Australian rowers and the general population. <i>Journal of Sports Sciences</i> , 2010 , 28, 459-69	3.6	45

11	Secular changes in body dimensions of Royal Australian Air Force aircrew (1971-2005). <i>Ergonomics</i> , 2010 , 53, 994-1005	2.9	12
10	Changes in Eurofit test performance of Estonian and Lithuanian children and adolescents (1992-2002). <i>Medicine and Sport Science</i> , 2007 , 50, 129-142		24
9	Evolution and variability in fitness test performance of Asian children and adolescents. <i>Medicine and Sport Science</i> , 2007 , 50, 143-167		16
8	Secular changes in aerobic fitness test performance of Australasian children and adolescents. <i>Medicine and Sport Science</i> , 2007 , 50, 168-182		45
7	Who are the Eurofittest?. <i>Medicine and Sport Science</i> , 2007 , 50, 104-128		29
6	Declines in aerobic fitness: are they only due to increasing fatness?. <i>Medicine and Sport Science</i> , 2007 , 50, 226-240		26
5	Secular changes in pediatric aerobic fitness test performance: the global picture. <i>Medicine and Sport Science</i> , 2007 , 50, 46-66		188
4	Worldwide variation in the performance of children and adolescents: an analysis of 109 studies of the 20-m shuttle run test in 37 countries. <i>Journal of Sports Sciences</i> , 2006 , 24, 1025-38	3.6	135
3	Secular Changes in Anaerobic Test Performance in Australasian Children and Adolescents. <i>Pediatric Exercise Science</i> , 2006 , 18, 314-328	2	14
2	Bilateral symmetry and the competitive standard attained in elite and sub-elite sport. <i>Journal of Sports Sciences</i> , 2003 , 21, 201-11	3.6	20
1	Secular trends in the performance of children and adolescents (1980-2000): an analysis of 55 studies of the 20m shuttle run test in 11 countries. <i>Sports Medicine</i> , 2003 , 33, 285-300	10.6	270