

# Guy Plasqui

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,527  
citations

236612

25  
h-index

143772

57  
g-index

83  
all docs

83  
docs citations

83  
times ranked

5161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity Assessment With Accelerometers: An Evaluation Against Doubly Labeled Water. <i>Obesity</i> , 2007, 15, 2371-2379.	1.5	560
2	Physical Inactivity and Obesity: A Vicious Circle. <i>Obesity</i> , 2008, 16, 409-414.	1.5	264
3	Daily physical activity assessment with accelerometers: new insights and validation studies. <i>Obesity Reviews</i> , 2013, 14, 451-462.	3.1	236
4	Daily energy expenditure through the human life course. <i>Science</i> , 2021, 373, 808-812.	6.0	234
5	Ethnic differences in body composition and the associated metabolic profile: A comparative study between Asians and Caucasians. <i>Maturitas</i> , 2010, 65, 315-319.	1.0	221
6	Improving assessment of daily energy expenditure by identifying types of physical activity with a single accelerometer. <i>Journal of Applied Physiology</i> , 2009, 107, 655-661.	1.2	164
7	Determinants of Stunting and Overweight among Young Children and Adolescents in Sub-Saharan Africa. <i>Food and Nutrition Bulletin</i> , 2014, 35, 167-178.	0.5	154
8	Measuring Free-Living Energy Expenditure and Physical Activity with Triaxial Accelerometry. <i>Obesity</i> , 2005, 13, 1363-1369.	4.0	137
9	Physical activity and human energy expenditure. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004, 7, 607-613.	1.3	99
10	The role of physical activity in rheumatoid arthritis. <i>Physiology and Behavior</i> , 2008, 94, 270-275.	1.0	93
11	Seasonal Variation in Total Energy Expenditure and Physical Activity in Dutch Young Adults. <i>Obesity</i> , 2004, 12, 688-694.	4.0	88
12	Estimation of Free-Living Energy Expenditure Using a Novel Activity Monitor Designed to Minimize Obtrusiveness. <i>Obesity</i> , 2010, 18, 1845-1851.	1.5	87
13	Seasonal variation in sleeping metabolic rate, thyroid activity, and leptin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E338-E343.	1.8	68
14	Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021, 31, 4659-4666.e2.	1.8	63
15	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021, 2, 100203.	3.3	62
16	Physical activity level measured by doubly labeled water and accelerometry in children. <i>European Journal of Applied Physiology</i> , 2003, 89, 624-626.	1.2	56
17	Water loss as a function of energy intake, physical activity and season. <i>British Journal of Nutrition</i> , 2005, 93, 199-203.	1.2	50
18	Physical activity and body composition in patients with ankylosing spondylitis. <i>Arthritis Care and Research</i> , 2012, 64, 101-107.	1.5	50

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19	Room Indirect Calorimetry Operating and Reporting Standards (RICORS 1.0): A Guide to Conducting and Reporting Human Whole-Room Calorimeter Studies. <i>Obesity</i> , 2020, 28, 1613-1625.	1.5	49
20	A new direction in psychology and health: Resistance exercise training for obese children and adolescents. <i>Psychology and Health</i> , 2016, 31, 1-8.	1.2	48
21	Classical experiments in whole-body metabolism: open-circuit respirometryâ€”diluted flow chamber, hood, or facemask systems. <i>European Journal of Applied Physiology</i> , 2018, 118, 33-49.	1.2	45
22	Accelerometry and Heart Rate as a Measure of Physical Fitness: Proof of Concept. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 872-876.	0.2	41
23	Accelerometry and Heart Rate as a Measure of Physical Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1510-1514.	0.2	36
24	Physical Activity in Pediatric Pulmonary Arterial Hypertension Measured by Accelerometry. A Candidate Clinical Endpoint. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 220-227.	2.5	34
25	Physically Active Lifestyle Does Not Decrease the Risk of Fattening. <i>PLoS ONE</i> , 2009, 4, e4745.	1.1	33
26	Test-retest reproducibility and validity of the back-leg-chest strength measurements. <i>Isokinetics and Exercise Science</i> , 2016, 24, 209-216.	0.2	26
27	Energy expenditure and dietary intake in professional football players in the Dutch Premier League: Implications for nutritional counselling. <i>Journal of Sports Sciences</i> , 2019, 37, 2759-2767.	1.0	26
28	Protein intake induced an increase in exercise stimulated fat oxidation during stable body weight. <i>Physiology and Behavior</i> , 2010, 101, 770-774.	1.0	25
29	Accelerometer Quantification of Physical Activity and Activity Patterns in Patients with Ankylosing Spondylitis and Population Controls. <i>Journal of Rheumatology</i> , 2015, 42, 2369-2375.	1.0	25
30	Smart approaches for assessing free-living energy expenditure following identification of types of physical activity. <i>Obesity Reviews</i> , 2017, 18, 50-55.	3.1	22
31	Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1583-1589.	2.2	22
32	Strength exercises during physical education classes in secondary schools improve body composition: a cluster randomized controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018, 15, 92.	2.0	21
33	Cardiorespiratory fitness estimation using wearable sensors: Laboratory and free-living analysis of context-specific submaximal heart rates. <i>Journal of Applied Physiology</i> , 2016, 120, 1082-1096.	1.2	20
34	Measurement of longitudinal changes in body composition during weight loss and maintenance in overweight and obese subjects using air-displacement plethysmography in comparison with the deuterium dilution technique. <i>International Journal of Obesity</i> , 2011, 35, 1124-1130.	1.6	19
35	The Psychological Effects of Strength Exercises in People who are Overweight or Obese: A Systematic Review. <i>Sports Medicine</i> , 2017, 47, 2069-2081.	3.1	18
36	Test-retest variability of $\dot{V}O_{2\max}$ using total-capture indirect calorimetry reveals linear relationship of $\dot{V}O_{2\max}$ and Power. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 213-222.	1.3	18

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37	Metabolic profile before and after short-term overfeeding with a high-fat diet: a comparison between South Asian and white men. <i>British Journal of Nutrition</i> , 2014, 111, 1853-1861.	1.2	17
38	Dietary and 24-h fat oxidation in Asians and whites who differ in body composition. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 1335-1341.	2.2	15
39	Social Role Participation in Patients With Ankylosing Spondylitis: A Cross-sectional Comparison With Population Controls. <i>Arthritis Care and Research</i> , 2016, 68, 1899-1905.	1.5	15
40	Social Role Participation and Satisfaction With Life: A Study Among Patients With Ankylosing Spondylitis and Population Controls. <i>Arthritis Care and Research</i> , 2018, 70, 600-607.	1.5	15
41	High-protein meals may benefit fat oxidation and energy expenditure in individuals with higher body fat. <i>Nutrition and Dietetics</i> , 2008, 65, 246-252.	0.9	14
42	Validation of the doubly labeled water method using off-axis integrated cavity output spectroscopy and isotope ratio mass spectrometry. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E124-E130.	1.8	14
43	Aerobic and strength exercises for youngsters aged 12 to 15: what do parents think?. <i>BMC Public Health</i> , 2015, 15, 994.	1.2	13
44	Development, Implementation, and Evaluation of an Interdisciplinary Theory- and Evidence-Based Intervention to Prevent Childhood Obesity: Theoretical and Methodological Lessons Learned. <i>Frontiers in Public Health</i> , 2017, 5, 352.	1.3	13
45	Energy Expenditure during Extreme Endurance Exercise: The Giro d'Italia. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 568-574.	0.2	13
46	Physical Functioning in Patients With Ankylosing Spondylitis. <i>Journal of Clinical Rheumatology</i> , 2014, 20, 133-137.	0.5	12
47	The Relationship Between Walking Speed and the Energetic Cost of Walking in Persons With Multiple Sclerosis and Healthy Controls: A Systematic Review. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 486-500.	1.4	12
48	Aspects of activity behavior as a determinant of the physical activity level. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012, 22, 139-145.	1.3	11
49	Validation of the VitaBit Sitâ€“Stand Tracker: Detecting Sitting, Standing, and Activity Patterns. <i>Sensors</i> , 2018, 18, 877.	2.1	11
50	Combating adolescent obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014, 17, 521-524.	1.3	10
51	Sedentary Work in Desk-Dominated Environments: A Data-Driven Intervention Using Intervention Mapping. <i>JMIR Formative Research</i> , 2020, 4, e14951.	0.7	10
52	A Benefit of Being Heavier Is Being Strong: a Cross-Sectional Study in Young Adults. <i>Sports Medicine - Open</i> , 2018, 4, 12.	1.3	9
53	Clinical $\dot{V}_{t,peak}$ is a part of the deal. <i>Journal of Applied Physiology</i> , 2017, 122, 1370-1370.	1.2	8
54	Associations between physical activity, sedentary time and cardiovascular risk factors among Dutch children. <i>PLoS ONE</i> , 2021, 16, e0256448.	1.1	8

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55	Energy Metabolism in Relation to Diet and Physical Activity: A South Asian Perspective. <i>Nutrients</i> , 2021, 13, 3776.	1.7	8
56	Body composition in 10-13-year-old children: A comparison between air displacement plethysmography and deuterium dilution. <i>Pediatric Obesity</i> , 2009, 4, 397-404.	3.2	7
57	Social Role Participation Questionnaire for patients with ankylosing spondylitis: translation into Dutch, reliability and construct validity. <i>RMD Open</i> , 2016, 2, e000177.	1.8	7
58	Cardiorespiratory fitness estimation from heart rate and body movement in daily life. <i>Journal of Applied Physiology</i> , 2020, 128, 493-500.	1.2	7
59	Objectively measured physical activity and sedentary time in children with overweight, obesity and morbid obesity: a cross-sectional analysis. <i>BMC Public Health</i> , 2021, 21, 1558.	1.2	7
60	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition. <i>Nature Communications</i> , 2022, 13, 99.	5.8	7
61	Substrate utilization and metabolic profile in response to overfeeding with a high-fat diet in South Asian and white men: a sedentary lifestyle study. <i>International Journal of Obesity</i> , 2020, 44, 136-146.	1.6	6
62	Human total, basal and activity energy expenditures are independent of ambient environmental temperature. <i>IScience</i> , 2022, 25, 104682.	1.9	6
63	Energy Expenditure and Changes in Body Composition During Submarine Deployment—An Observational Study —DasBoost 2-2017. <i>Nutrients</i> , 2020, 12, 226.	1.7	5
64	Self-paced and fixed speed treadmill walking yield similar energetics and biomechanics across different speeds. <i>Gait and Posture</i> , 2022, 92, 2-7.	0.6	5
65	Brown adipose tissue activation is not related to hypermetabolism in emphysematous chronic obstructive pulmonary disease patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1329-1338.	2.9	5
66	Feasibility and Effect of the Exergame BOOSTH Introduced to Improve Physical Activity and Health in Children: Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2020, 9, e24035.	0.5	4
67	Physical Activity and Insulin Resistance. <i>Current Nutrition and Food Science</i> , 2007, 3, 157-160.	0.3	3
68	Validity and reproducibility of $\dot{V}O_{2\max}$ testing in a respiration chamber. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1259-1267.	1.3	3
69	Molecular adaptation in adipose tissue in response to overfeeding with a high-fat diet under sedentary conditions in South Asian and Caucasian men. <i>British Journal of Nutrition</i> , 2019, 122, 241-251.	1.2	2
70	A New Approach to Improve the Validity of Doubly Labelled Water to Assess CO <sub>2</sub> Production during High Energy Turnover. <i>Medicine and Science in Sports and Exercise</i> , 2022, Publish Ahead of Print, 965-973.	0.2	2
71	Effect of growth hormone treatment on energy expenditure and its relation to first-year growth response in children. <i>European Journal of Applied Physiology</i> , 2019, 119, 409-418.	1.2	1
72	Effect of Bronchoscopic Lung Volume Reduction in Advanced Emphysema on Energy Balance Regulation. <i>Respiration</i> , 2021, , 1-8.	1.2	1

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73	Weight-status Related Differences in Reflective and Impulsive Determinants of Physical Activity in Youngsters (8–18 years old). <i>Health Psychology Bulletin</i> , 2020, 4, 29.	0.3	1
74	The Effects of UPcomply on Office Workers'™ Sedentary Behaviour, Quality of Life and Psychosocial Determinants: A Stepped-Wedge Design. <i>International Journal of Behavioral Medicine</i> , 2022, , 1.	0.8	1
75	Dataset of energetics and biomechanics of self-paced and fixed speed treadmill walking at multiple speeds. <i>Data in Brief</i> , 2022, 41, 107915.	0.5	1
76	Sequential Activity Patterns and Outcome-Specific, Real-Time, and Target Group-Specific Feedback: The SPORT Algorithm. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 126-136.	0.5	0
77	Energetic cost of walking and gait parameters during the 6 minute walking test in persons with Multiple Sclerosis: Preliminary data. <i>Gait and Posture</i> , 2021, 90, 267-268.	0.6	0
78	Bidirectional Day-to-Day Associations of Reported Sleep Duration With Accelerometer Measured Physical Activity and Sedentary Time Among Dutch Adolescents: An Observational Study. <i>Journal for the Measurement of Physical Behaviour</i> , 2020, 3, 304-314.	0.5	0