

Diana A. Santos

List of Publications by Year in descending order

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71
papers

16,028
citations

147726

31
h-index

98753

67
g-index

72
all docs

72
docs citations

72
times ranked

29200
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. <i>Lancet, The</i> , 2017, 390, 2627-2642.	6.3	5,010
2	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants. <i>Lancet, The</i> , 2016, 387, 1377-1396.	6.3	3,941
3	Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants. <i>Lancet, The</i> , 2016, 387, 1513-1530.	6.3	2,842
4	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants. <i>Lancet, The</i> , 2017, 389, 37-55.	6.3	1,667
5	Sedentary behavior and physical activity are independently related to functional fitness in older adults. <i>Experimental Gerontology</i> , 2012, 47, 908-912.	1.2	178
6	Sarcopenia and physical independence in older adults: the independent and synergic role of muscle mass and muscle function. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 245-250.	2.9	161
7	Reference Values for Body Composition and Anthropometric Measurements in Athletes. <i>PLoS ONE</i> , 2014, 9, e97846.	1.1	147
8	Prevalence of the Portuguese Population Attaining Sufficient Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 466-473.	0.2	144
9	Breaking-up Sedentary Time Is Associated With Physical Function in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 119-124.	1.7	135
10	How does academic achievement relate to cardiorespiratory fitness, self-reported physical activity and objectively reported physical activity: a systematic review in children and adolescents aged 6-18 years. <i>British Journal of Sports Medicine</i> , 2018, 52, 1039-1039.	3.1	130
11	A Comparison between BMI, Waist Circumference, and Waist-To-Height Ratio for Identifying Cardio-Metabolic Risk in Children and Adolescents. <i>PLoS ONE</i> , 2016, 11, e0149351.	1.1	117
12	Lack of agreement of in vivo raw bioimpedance measurements obtained from two single and multi-frequency bioelectrical impedance devices. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 1077-1083.	1.3	71
13	Estimation of total body water and extracellular water with bioimpedance in athletes: A need for athlete-specific prediction models. <i>Clinical Nutrition</i> , 2016, 35, 468-474.	2.3	69
14	Accuracy of DXA in estimating body composition changes in elite athletes using a four compartment model as the reference method. <i>Nutrition and Metabolism</i> , 2010, 7, 22.	1.3	64
15	Changes in phase angle and body composition induced by resistance training in older women. <i>European Journal of Clinical Nutrition</i> , 2016, 70, 1408-1413.	1.3	64
16	Prevalence of Overweight, Obesity, and Abdominal Obesity in a Representative Sample of Portuguese Adults. <i>PLoS ONE</i> , 2012, 7, e47883.	1.1	61
17	Longitudinal Relationship between Cardiorespiratory Fitness and Academic Achievement. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 839-844.	0.2	60
18	Physical fitness percentiles for Portuguese children and adolescents aged 10-18 years. <i>Journal of Sports Sciences</i> , 2014, 32, 1510-1518.	1.0	59

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19	The Predictive Role of Raw Bioelectrical Impedance Parameters in Water Compartments and Fluid Distribution Assessed by Dilution Techniques in Athletes. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 759.	1.2	57
20	Normative Functional Fitness Standards and Trends of Portuguese Older Adults: Cross-Cultural Comparisons. <i>Journal of Aging and Physical Activity</i> , 2014, 22, 126-137.	0.5	55
21	Validity of GT3X and Actiheart to estimate sedentary time and breaks using ActivPAL as the reference in free-living conditions. <i>Gait and Posture</i> , 2015, 41, 917-922.	0.6	51
22	Risk for losing physical independence in older adults: The role of sedentary time, light, and moderate to vigorous physical activity. <i>Maturitas</i> , 2014, 79, 91-95.	1.0	45
23	Total Energy Expenditure Assessment in Elite Junior Basketball Players. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 1920-1927.	1.0	41
24	Sedentary Patterns, Physical Activity, and Cardiorespiratory Fitness in Association to Glycemic Control in Type 2 Diabetes Patients. <i>Frontiers in Physiology</i> , 2017, 8, 262.	1.3	41
25	Body composition in taller individuals using DXA: A validation study for athletic and non-athletic populations. <i>Journal of Sports Sciences</i> , 2013, 31, 405-413.	1.0	40
26	Breaking-up sedentary time is associated with impairment in activities of daily living. <i>Experimental Gerontology</i> , 2015, 72, 57-62.	1.2	40
27	Is bioelectrical impedance spectroscopy accurate in estimating total body water and its compartments in elite athletes?. <i>Annals of Human Biology</i> , 2013, 40, 152-156.	0.4	39
28	The acute effect of maximal exercise on central and peripheral arterial stiffness indices and hemodynamics in children and adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 266-276.	0.9	38
29	Magnesium intake is associated with strength performance in elite basketball, handball and volleyball players. <i>Magnesium Research</i> , 2011, 24, 215-219.	0.4	37
30	Increases in Intracellular Water Explain Strength and Power Improvements over a Season. <i>International Journal of Sports Medicine</i> , 2014, 35, 1101-1105.	0.8	37
31	Changes in regional body composition explain increases in energy expenditure in elite junior basketball players over the season. <i>European Journal of Applied Physiology</i> , 2012, 112, 2727-2737.	1.2	36
32	Fat-free Mass Bioelectrical Impedance Analysis Predictive Equation for Athletes using a 4-Compartment Model. <i>International Journal of Sports Medicine</i> , 2021, 42, 27-32.	0.8	29
33	Energy Balance over One Athletic Season. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1724-1733.	0.2	26
34	Total body water and its compartments are not affected by ingesting a moderate dose of caffeine in healthy young adult males. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 626-632.	0.9	25
35	Magnesium and phase angle: a prognostic tool for monitoring cellular integrity in judo athletes. <i>Magnesium Research</i> , 2015, 28, 92-98.	0.4	25
36	Criterion-referenced fitness standards for predicting physical independence into later life. <i>Experimental Gerontology</i> , 2015, 61, 142-146.	1.2	25

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37	Utility of novel body indices in predicting fat mass in elite athletes. <i>Nutrition</i> , 2015, 31, 948-954.	1.1	24
38	Validity of a combined heart rate and motion sensor for the measurement of free-living energy expenditure in very active individuals. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 387-393.	0.6	23
39	Suitability of Bioelectrical Based Methods to Assess Water Compartments in Recreational and Elite Athletes. <i>Journal of the American College of Nutrition</i> , 2016, 35, 413-421.	1.1	23
40	Accuracy of a combined heart rate and motion sensor for assessing energy expenditure in free-living adults during a double-blind crossover caffeine trial using doubly labeled water as the reference method. <i>European Journal of Clinical Nutrition</i> , 2015, 69, 20-27.	1.3	21
41	Are cardiorespiratory fitness and moderate-to-vigorous physical activity independently associated to overweight, obesity, and abdominal obesity in elderly?. <i>American Journal of Human Biology</i> , 2012, 24, 28-34.	0.8	20
42	Associations of breaks in sedentary time with abdominal obesity in Portuguese older adults. <i>Age</i> , 2015, 37, 23.	3.0	20
43	Compensatory Changes in Energy Balance Regulation over One Athletic Season. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1229-1235.	0.2	19
44	Characterization and Comparison of Nutritional Intake between Preparatory and Competitive Phase of Highly Trained Athletes. <i>Medicina (Lithuania)</i> , 2018, 54, 41.	0.8	18
45	Assessment of total body water and its compartments in elite judo athletes: comparison of bioelectrical impedance spectroscopy with dilution techniques. <i>Journal of Sports Sciences</i> , 2015, 33, 634-640.	1.0	17
46	Patterns of accelerometer-derived sedentary time across the lifespan. <i>Journal of Sports Sciences</i> , 2018, 36, 2809-2817.	1.0	17
47	Independent Association of Muscular Strength and Carotid Intima-Media Thickness in Children. <i>International Journal of Sports Medicine</i> , 2015, 36, 624-630.	0.8	16
48	Regular physical activity eliminates the harmful association of television watching with multimorbidity. A cross-sectional study from the European Social Survey. <i>Preventive Medicine</i> , 2018, 109, 28-33.	1.6	16
49	Magnesium intake mediates the association between bone mineral density and lean soft tissue in elite swimmers. <i>Magnesium Research</i> , 2012, 25, 120-125.	0.4	15
50	Is bioelectrical impedance spectroscopy accurate in estimating changes in fat-free mass in judo athletes?. <i>Journal of Sports Sciences</i> , 2012, 30, 1225-1233.	1.0	14
51	Fitness but not weight status is associated with projected physical independence in older adults. <i>Age</i> , 2016, 38, 54.	3.0	14
52	A cross-sectional and prospective analyse of reallocating sedentary time to physical activity on children's cardiorespiratory fitness. <i>Journal of Sports Sciences</i> , 2018, 36, 1720-1726.	1.0	13
53	Magnesium and strength in elite judo athletes according to intracellular water changes. <i>Magnesium Research</i> , 2010, 23, 138-41.	0.4	13
54	A moderate dose of caffeine ingestion does not change energy expenditure but decreases sleep time in physically active males: a double-blind randomized controlled trial. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 49-56.	0.9	12

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55	Caffeine Intake, Short Bouts of Physical Activity, and Energy Expenditure: A Double-Blind Randomized Crossover Trial. <i>PLoS ONE</i> , 2013, 8, e68936.	1.1	11
56	Validity of extracellular water assessment with saliva samples using plasma as the reference biological fluid. <i>Biomedical Chromatography</i> , 2012, 26, 1348-1352.	0.8	10
57	Linking cardiorespiratory fitness classification criteria to early subclinical atherosclerosis in children. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 386-392.	0.9	10
58	Abdominal obesity in adolescents: Development of age-specific waist circumference cut-offs linked to adult IDF criteria. <i>American Journal of Human Biology</i> , 2017, 29, e23036.	0.8	10
59	Comparison of immunohematological profile between endurance- and power-oriented elite athletes. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 257-262.	0.9	10
60	Anthropometric profiles of elite older triathletes in the Ironman Brazil compared with those of young Portuguese triathletes and older Brazilians. <i>Journal of Sports Sciences</i> , 2012, 30, 479-484.	1.0	9
61	Accuracy of anthropometric measurements in estimating fat mass in individuals with 21-hydroxylase deficiency. <i>Nutrition</i> , 2012, 28, 984-990.	1.1	7
62	Breaking-up sedentary time is associated with impairment in activities of daily living. <i>Experimental Gerontology</i> , 2015, 72, 278.	1.2	6
63	Single and combined effects of body composition phenotypes on carotid intima-media thickness. <i>Pediatric Obesity</i> , 2016, 11, 272-278.	1.4	6
64	Usefulness of Reflection Scanning in Determining Whole-Body Composition in Broadly Built Individuals Using Dual-Energy X-ray Absorptiometry. <i>Journal of Clinical Densitometry</i> , 2019, 22, 429-436.	0.5	6
65	Do Dynamic Fat and Fat-Free Mass Changes follow Theoretical Driven Rules in Athletes?. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2086-2092.	0.2	5
66	Promoting Health-Related Cardiorespiratory Fitness in Physical Education: The Role of Class Intensity and Habitual Physical Activity. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6852.	1.2	4
67	Pulse pressure tracking from adolescence to young adulthood: contributions to vascular health. <i>Blood Pressure</i> , 2018, 27, 19-24.	0.7	3
68	Is Body Cell Mass Determinant For Cardiorespiratory Fitness In Male And Female Elite Basketball Players?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 127-128.	0.2	0
69	Fatores Determinantes na aptidão cardiorrespiratória em Portugueses de diferentes etnias. DOI: 10.5007/1980-0037.2011v13n4p243. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2011, 13, .	0.5	0
70	Is bioelectrical impedance spectroscopy accurate in estimating changes in fat-free mass in judo athletes?. <i>Journal of Sports Sciences</i> , 2012, 30, 1323-1323.	1.0	0
71	Recommended Cardiorespiratory Fitness Level For Vascular Health In 11-12 Years-old Children.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 592.	0.2	0