

# Fabio Augusto Barbieri

## List of Publications by Year in descending order

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Version: 2024-02-01

127  
papers

1,581  
citations

331670

21  
h-index

434195

31  
g-index

129  
all docs

129  
docs citations

129  
times ranked

1700  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Gradient and Speed on Uphill Running Gait Variability. <i>Sports Health</i> , 2023, 15, 67-73.	2.7	4
2	Case Study on the Experience and Perception of Rehabilitators and Caregivers of People with Parkinson's Disease in the Interaction with Clothing Assistive Devices: Narratives About Everyday Problems, in Portugal. <i>Springer Series in Design and Innovation</i> , 2022, , 412-424.	0.3	2
3	Temporal dynamics of cortical activity and postural control in response to the first levodopa dose of the day in people with Parkinson's disease. <i>Brain Research</i> , 2022, 1775, 147727.	2.2	4
4	Salivary proteomic profile of young adults before and after the practice of interval exercise: preliminary results. <i>Sport Sciences for Health</i> , 2022, 18, 983-997.	1.3	1
5	Parkinson's disease affects gaze behaviour and performance of drivers. <i>Ergonomics</i> , 2022, 65, 1302-1311.	2.1	2
6	Automatic Markerless Motion Detector Method against Traditional Digitisation for 3-Dimensional Movement Kinematic Analysis of Ball Kicking in Soccer Field Context. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1179.	2.6	9
7	Low sleep quality and morningness-eveningness scale score may impair ball placement but not kicking velocity in youth academy soccer players. <i>Science and Medicine in Football</i> , 2022, 6, 528-538.	2.0	6
8	Modelling the relationships between EEG signals, movement kinematics and outcome in soccer kicking. <i>Cognitive Neurodynamics</i> , 2022, 16, 1303-1321.	4.0	6
9	Effects of automatic mechanical peripheral stimulation on gait biomechanics in older adults with Parkinson's disease: a randomized crossover clinical trial. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 1323-1331.	2.9	1
10	Gait and posture are correlated domains in Parkinson's disease. <i>Neuroscience Letters</i> , 2022, 775, 136537.	2.1	3
11	Dual tasking reduces gait asymmetry of trajectory deviation during obstacle circumvention in people with Parkinson's disease. <i>Human Movement Science</i> , 2022, 83, 102938.	1.4	2
12	Proteomic profile of saliva in patients with Parkinson's disease after the practice of interval exercise. <i>Parkinsonism and Related Disorders</i> , 2022, 98, 78-79.	2.2	1
13	The Effects of Overweight and Obesity on Obstacle Crossing During Walking: Protocol for a Systematic Review. <i>JMIR Research Protocols</i> , 2022, 11, e36234.	1.0	1
14	Cumulative additional information does not improve the neuromuscular control during postural responses to perturbations in postural instability/gait disorders subtype of Parkinson's disease. <i>Experimental Gerontology</i> , 2022, 166, 111892.	2.8	0
15	What does characterize exercise guidelines for Parkinson's disease?. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2611-2612.	2.9	0
16	Prolonged Standing Task Affects Adaptability of Postural Control in People With Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 58-67.	2.9	9
17	Acute Effects of Warm-Up, Exercise and Recovery-Related Strategies on Assessments of Soccer Kicking Performance: A Critical and Systematic Review. <i>Sports Medicine</i> , 2021, 51, 661-705.	6.5	12
18	Organisation of instep kicking in young U11 to U20 soccer players. <i>Science and Medicine in Football</i> , 2021, 5, 111-120.	2.0	8

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19	A complexidade da tarefa afeta negativamente o equilíbrio e a mobilidade de idosos saudáveis. Revista Brasileira De Geriatria E Gerontologia, 2021, 24, .	0.3	3
20	Motor strategy during postural control is not muscle fatigue joint-dependent, but muscle fatigue increases postural asymmetry. PLoS ONE, 2021, 16, e0247395.	2.5	14
21	Step length synergy while crossing obstacles is weaker in patients with Parkinson's disease. Gait and Posture, 2021, 84, 340-345.	1.4	7
22	Grupos com Cuidadores de Pessoas com Doença de Parkinson (DP): um convite à reflexão. Nova Perspectiva Sistêmica, 2021, 29, 31-45.	0.0	1
23	Effect of the combination of automated peripheral mechanical stimulation and physical exercise on aerobic functional capacity and cardiac autonomic control in patients with Parkinson's disease: a randomized clinical trial protocol. Trials, 2021, 22, 250.	1.6	2
24	Cortical activity and gait parameter characteristics in people with multiple sclerosis during unobstructed gait and obstacle avoidance. Gait and Posture, 2021, 86, 226-232.	1.4	9
25	Does the impaired postural control in Parkinson's disease affect the habituation to non-sequential external perturbation trials?. Clinical Biomechanics, 2021, 85, 105363.	1.2	4
26	Older Compared With Younger Adults Performed 467 Fewer Sit-to-Stand Trials, Accompanied by Small Changes in Muscle Activation and Voluntary Force. Frontiers in Aging Neuroscience, 2021, 13, 679282.	3.4	3
27	Hemodynamic response to exercise is impaired in individuals with Parkinson's disease. Journal of Sports Medicine and Physical Fitness, 2021, , .	0.7	0
28	Being physically active minimizes the effects of leg muscle fatigue on obstacle negotiation in people with Parkinson's disease. Journal of Biomechanics, 2021, 124, 110568.	2.1	1
29	Lateral Preference and Inter-limb Asymmetry in Completing Technical Tasks During Official Professional Futsal Matches: The Role of Playing Position and Opponent Quality. Frontiers in Psychology, 2021, 12, 725097.	2.1	1
30	Variability of visually-induced center of pressure displacements is reduced while young adults perform unpredictable saccadic eye movements inside a moving room. Neuroscience Letters, 2021, 764, 136276.	2.1	3
31	The starting distance of obstacle circumvention did not affect intersegmental coordination in individuals with Parkinson's disease. Human Movement Science, 2021, 80, 102878.	1.4	0
32	Saccadic eye movement performance reduces visual manipulation influence and center of pressure displacements in older fallers. Experimental Brain Research, 2021, , 1.	1.5	1
33	Ankle muscle fatigability impairs body sway for more than 24 hours. Journal of Biomechanics, 2021, 133, 110890.	2.1	2
34	Impact of sports participation on incidence of bone traumatic fractures and health-care costs among adolescents: ABCD "Growth Study. Physician and Sportsmedicine, 2020, 48, 298-303.	2.1	21
35	Virtual reality head-mounted goggles increase the body sway of young adults during standing posture. Neuroscience Letters, 2020, 737, 135333.	2.1	12
36	Editorial: The Role of Eye Movements in Sports and Active Living. Frontiers in Sports and Active Living, 2020, 2, 603206.	1.8	2

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37	Age-specific modulation of intermuscular beta coherence during gait before and after experimentally induced fatigue. <i>Scientific Reports</i> , 2020, 10, 15854.	3.3	14
38	Cycling Performance Enhancement After Drop Jumps May Be Attributed to Postactivation Potentiation and Increased Anaerobic Capacity. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2465-2475.	2.1	18
39	Synergies in the ground reaction forces and moments during double support in curb negotiation in young and older adults. <i>Journal of Biomechanics</i> , 2020, 106, 109837.	2.1	16
40	Wearing a head-mounted eye tracker may reduce body sway. <i>Neuroscience Letters</i> , 2020, 722, 134799.	2.1	3
41	Double obstacles increase gait asymmetry during obstacle crossing in people with Parkinson's disease and healthy older adults: A pilot study. <i>Scientific Reports</i> , 2020, 10, 2272.	3.3	10
42	High-Intensity Interval Versus Moderate-Intensity Continuous Training in Individuals With Parkinson's Disease: Hemodynamic and Functional Adaptation. <i>Journal of Physical Activity and Health</i> , 2020, 17, 85-91.	2.0	25
43	A prototype for dynamic knee extension: construction, force characterization and electromyographic responses. <i>Brazilian Journal of Motor Behavior</i> , 2020, 14, 97-109.	0.5	2
44	Combining experiences of race gaming and natural driving affects gaze location strategy in simulated context. <i>Ergonomics</i> , 2019, 62, 1392-1399.	2.1	3
45	Parkinson's patients delay fixations when circumventing an obstacle and performing a dual cognitive task. <i>Gait and Posture</i> , 2019, 73, 291-298.	1.4	4
46	Effects of Ankle Muscle Fatigue and Visual Behavior on Postural Sway in Young Adults. <i>Frontiers in Physiology</i> , 2019, 10, 643.	2.8	19
47	Gaze diversion affects cognitive and motor performance in young adults when stepping over obstacles. <i>Gait and Posture</i> , 2019, 73, 273-278.	1.4	5
48	Minimal effects of age and prolonged physical and mental exercise on healthy adults' gait. <i>Gait and Posture</i> , 2019, 74, 205-211.	1.4	12
49	Postural Control Complexity and Fatigue in Minimally Affected Individuals with Multiple Sclerosis. <i>Journal of Motor Behavior</i> , 2019, 51, 551-560.	0.9	7
50	Match Running Performance in Young Soccer Players: A Systematic Review. <i>Sports Medicine</i> , 2019, 49, 289-318.	6.5	77
51	Saccadic eye movements are able to reduce body sway in mildly-affected people with Multiple Sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 30, 63-68.	2.0	9
52	Effects of linear and undulating periodization of strength training in the acceleration of skater children. <i>Motriz Revista De Educacao Fisica</i> , 2019, 25, .	0.2	1
53	IS MUSCULAR AND FUNCTIONAL PERFORMANCE RELATED TO GAIT SYMMETRY IN OLDER ADULTS? A SYSTEMATIC REVIEW. <i>Archives of Gerontology and Geriatrics</i> , 2019, 84, 103899.	3.0	6
54	Semi tandem base of support degrades both saccadic gaze control and postural stability particularly in older adults. <i>Neuroscience Letters</i> , 2019, 705, 227-234.	2.1	10

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55	Effects of experimentally induced fatigue on healthy older adults' gait: A systematic review. PLoS ONE, 2019, 14, e0226939.	2.5	23
56	Postural control, falls and Parkinson's disease: Are fallers more asymmetric than non-fallers?. Human Movement Science, 2019, 63, 129-137.	1.4	10
57	Differential Acute Effect of High-Intensity Interval or Continuous Moderate Exercise on Cognition in Individuals With Parkinson's Disease. Journal of Physical Activity and Health, 2019, 16, 157-164.	2.0	43
58	Dominant/non-dominant support limb kinematics and approach run parameters in futsal kicking of stationary and rolling ball. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1852-1860.	0.7	3
59	Kicking Performance in Young U9 to U20 Soccer Players: Assessment of Velocity and Accuracy Simultaneously. Research Quarterly for Exercise and Sport, 2018, 89, 210-220.	1.4	23
60	Obstacle circumvention and eye coordination during walking to least and most affected side in people with Parkinson's disease. Behavioural Brain Research, 2018, 346, 105-114.	2.2	8
61	Obstacle Avoidance Increases Asymmetry of Crossing Step in Individuals With Parkinson's Disease and Neurologically Healthy Individuals. Journal of Motor Behavior, 2018, 50, 17-25.	0.9	6
62	Running Performance in Brazilian Professional Football Players During a Congested Match Schedule. Journal of Strength and Conditioning Research, 2018, 32, 313-325.	2.1	32
63	A program of physical activity improves gait impairment in people with Alzheimer's disease. Motriz Revista De Educacao Fisica, 2018, 24, .	0.2	2
64	Variability of crossing phase in older people with Parkinson's disease is dependent of obstacle height. Scientific Reports, 2018, 8, 14852.	3.3	2
65	Influence of obstacle color on locomotor and gaze behaviors during obstacle avoidance in people with Parkinson's disease. Experimental Brain Research, 2018, 236, 3319-3325.	1.5	4
66	EFEITOS DO EXERCÍCIO FÍSICO PARA ADULTOS COM DEFICIÊNCIA INTELECTUAL: UMA REVISÃO SISTEMÁTICA. Journal of Physical Education (Maringa), 2018, 29, .	0.2	7
67	Can Postural Control Asymmetry Predict Falls in People With Parkinson's Disease?. Motor Control, 2018, 22, 449-461.	0.6	11
68	Muscle Fatigue Does Not Change the Effects on Lower Limbs Strength Caused by Aging and Parkinson's Disease. , 2018, 9, 988.		11
69	Effects of Using a Cell Phone on Gaze Movements During Simulated Car Driving: Hand-Held and Hands-Free Conditions. Advances in Intelligent Systems and Computing, 2018, , 289-299.	0.6	2
70	Parkinson's Disease and Gait Asymmetry. , 2017, , 161-175.		0
71	Reliability and Validity of a New Specific Field Test of Aerobic Capacity with the Ball for Futsal Players. International Journal of Sports Medicine, 2017, 38, 233-240.	1.7	11
72	High intensity repeated sprints impair postural control, but with no effects on free throwing accuracy, in under-19 basketball players. Human Movement Science, 2017, 54, 191-196.	1.4	10

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73	Benefits of Exercise on the Executive Functions in People with Parkinson Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 301-306.	1.4	10
74	Influence of Game Evolution and the Phase of Competition on Temporal Game Structure in High-Level Table Tennis Tournaments. <i>Journal of Human Kinetics</i> , 2017, 55, 55-63.	1.5	21
75	Six weeks of $\beta$ -alanine supplementation did not enhance repeated-sprint ability or technical performances in young elite basketball players. <i>Nutrition and Health</i> , 2017, 23, 111-118.	1.5	12
76	Gaze and motor behavior of people with PD during obstacle circumvention. <i>Gait and Posture</i> , 2017, 58, 504-509.	1.4	12
77	Walking behavior over multiple obstacles in people with Parkinson's disease. <i>Gait and Posture</i> , 2017, 58, 510-515.	1.4	11
78	Continuous use of textured insole improve plantar sensation and stride length of people with Parkinson's disease: A pilot study. <i>Gait and Posture</i> , 2017, 58, 495-497.	1.4	22
79	Gaze position interferes in body sway in young adults. <i>Neuroscience Letters</i> , 2017, 660, 130-134.	2.1	8
80	Performance and Metabolic Demand of a New Repeated-Sprint Ability Test in Basketball Players: Does the Number of Changes of Direction Matter?. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 2438-2446.	2.1	26
81	Construct validity of tests that measure kick performance for young soccer players based on cluster analysis: exploring the relationship between coaches rating and actual measures. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017, 57, 1613-1622.	0.7	9
82	The Influence of Muscle Fatigue on Walking: The Role of Aging and Parkinson's Disease. , 2017, , 143-159.		1
83	The variability of the steps preceding obstacle avoidance (approach phase) is dependent on the height of the obstacle in people with Parkinson's disease. <i>PLoS ONE</i> , 2017, 12, e0184134.	2.5	11
84	Futsal Match-Related Fatigue Affects Running Performance and Neuromuscular Parameters but Not Finishing Kick Speed or Accuracy. <i>Frontiers in Physiology</i> , 2016, 7, 518.	2.8	40
85	Comparison of the Kinematic Patterns of Kick Between Brazilian and Japanese Young Soccer Players. <i>Asian Journal of Sports Medicine</i> , 2016, 7, e33645.	0.3	2
86	Effects of leg muscle fatigue on gait in patients with Parkinson's disease and controls with high and low levels of daily physical activity. <i>Gait and Posture</i> , 2016, 47, 86-91.	1.4	34
87	Postural Control During Cascade Ball Juggling. <i>Perceptual and Motor Skills</i> , 2016, 123, 279-294.	1.3	15
88	Specific futsal training program can improve the physical performance of futsal players. <i>Sport Sciences for Health</i> , 2016, 12, 247-253.	1.3	10
89	Effects of disease severity and medication state on postural control asymmetry during challenging postural tasks in individuals with Parkinson's disease. <i>Human Movement Science</i> , 2016, 46, 96-103.	1.4	24
90	Recovery of gait after quadriceps muscle fatigue. <i>Gait and Posture</i> , 2016, 43, 270-274.	1.4	19

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91	Variability in Obstacle Clearance May (Not) Indicate Cognitive Disorders in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2015, 29, 307-311.	1.3	7
92	Challenging Postural Tasks Increase Asymmetry in Patients with Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0137722.	2.5	33
93	The motor deficits caused by Parkinson's disease are not able to block adjustments for a safe strategy during obstacle crossing in individuals with moderate disease. <i>Motriz Revista De Educacao Fisica</i> , 2015, 21, 436-441.	0.2	2
94	Dominant non-dominant asymmetry of kicking a stationary and rolling ball in a futsal context. <i>Journal of Sports Sciences</i> , 2015, 33, 1411-1419.	2.0	27
95	Saccadic and smooth pursuit eye movements attenuate postural sway similarly. <i>Neuroscience Letters</i> , 2015, 584, 292-295.	2.1	43
96	Different types of additional somatosensory information do not promote immediate benefits on gait in patients with Parkinson's disease and older adults. <i>Motriz Revista De Educacao Fisica</i> , 2015, 21, 244-249.	0.2	4
97	Visual conditions and postural directions affect postural sway variability in patients with Parkinson's disease. <i>Motricidade</i> , 2015, 11, .	0.2	3
98	Exercise and cognitive functions in Parkinson's disease: Gender differences and disease severity. <i>Motriz Revista De Educacao Fisica</i> , 2014, 20, 461-469.	0.2	7
99	Effects of physical exercise on articular range of motion of the lower limb in the Parkinson's disease individuals. <i>Fisioterapia E Pesquisa</i> , 2014, 21, 167-173.	0.1	1
100	Effects of a multimodal exercise program on the functional capacity of Parkinson's disease patients considering disease severity and gender. <i>Motriz Revista De Educacao Fisica</i> , 2014, 20, 100-106.	0.2	10
101	Effect of triceps surae and quadriceps muscle fatigue on the mechanics of landing in stepping down in ongoing gait. <i>Ergonomics</i> , 2014, 57, 934-942.	2.1	17
102	Disease severity affects obstacle crossing in people with Parkinson's disease. <i>Gait and Posture</i> , 2014, 40, 266-269.	1.4	22
103	Interactions of age and leg muscle fatigue on unobstructed walking and obstacle crossing. <i>Gait and Posture</i> , 2014, 39, 985-990.	1.4	45
104	Obstacle Crossing with Dual Tasking is a Danger for Individuals with Alzheimer's Disease and for Healthy Older People. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 435-441.	2.6	14
105	Effects of Physical Activity Levels on Fatigue Perception in Patients with Parkinson's Disease and Neurologically Healthy Individuals. <i>Health</i> , 2014, 06, 2927-2933.	0.3	4
106	Flexibility, torque and kick performance in soccer: Effect of dominance. <i>Science and Sports</i> , 2013, 28, e67-e70.	0.5	6
107	Systematic review of the effects of fatigue on spatiotemporal gait parameters. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2013, 26, 125-131.	1.1	34
108	Influence of visual feedback sampling on obstacle crossing behavior in people with Parkinson's disease. <i>Gait and Posture</i> , 2013, 38, 330-334.	1.4	47

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109	The effect of muscle fatigue on the last stride before stepping down a curb. <i>Gait and Posture</i> , 2013, 37, 542-546.	1.4	18
110	Effect of muscle fatigue and physical activity level in motor control of the gait of young adults. <i>Gait and Posture</i> , 2013, 38, 702-707.	1.4	47
111	Perfil antropométrico e fisiológico de atletas de futsal da categoria sub-20 e adulta. <i>Motricidade</i> , 2013, 8, .	0.2	4
112	Effect of different exercise programs on the psychological and cognitive functions of people with Parkinson's disease. <i>Motriz Revista De Educacao Fisica</i> , 2013, 19, 597-604.	0.2	6
113	Long-Term Multimodal Exercise Program Enhances Mobility of Patients with Parkinson's Disease. <i>ISRN Rehabilitation</i> , 2012, 2012, 1-7.	0.6	2
114	Gait and risk of falls associated with frontal cognitive functions at different stages of Alzheimer's disease. <i>Aging, Neuropsychology, and Cognition</i> , 2012, 19, 644-656.	1.3	58
115	The role of vision in Parkinson's disease locomotion control: Free walking task. <i>Gait and Posture</i> , 2012, 35, 175-179.	1.4	19
116	Adaptive Walking in Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2012, 2012, 1-6.	2.0	10
117	Functional capacity of Brazilian patients with Parkinson's disease (PD): Relationship between clinical characteristics and disease severity. <i>Archives of Gerontology and Geriatrics</i> , 2012, 54, e83-e88.	3.0	23
118	Parâmetros na marcha na paralisia supranuclear progressiva: um estudo de caso. <i>Fisioterapia Em Movimento</i> , 2012, 25, 885-894.	0.1	0
119	Efeitos de diferentes tipos de exercício nos parâmetros do andar de idosas. <i>Revista Brasileira De Medicina Do Esporte</i> , 2011, 17, 166-170.	0.2	9
120	Adaptive Locomotion for Crossing a Moving Obstacle. <i>Motor Control</i> , 2011, 15, 419-433.	0.6	16
121	Effects of 6-month, Multimodal Exercise Program on Clinical and Gait Parameters of Patients with Idiopathic Parkinson's Disease: A Pilot Study. <i>ISRN Neurology</i> , 2011, 2011, 1-7.	1.5	15
122	Performance comparisons of the kicking of stationary and rolling balls in a futsal context. <i>Sports Biomechanics</i> , 2010, 9, 1-15.	1.6	32
123	Brazilian soccer players and no-players adolescents: effect of the maturity status on the physical capacity components performance. <i>Journal of Human Sport and Exercise</i> , 2010, 5, 280-287.	0.4	3
124	Exercise programs improve mobility and balance in people with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2009, 15, S49-S52.	2.2	93
125	Análise cinemática da variabilidade do membro de suporte dominante e não dominante durante o chute no futsal. <i>Revista Portuguesa De Ciências Do Desporto</i> , 2008, 2008, 68-76.	0.0	4
126	Impact of Manual Coordination on Usability of Clothing Fasteners in People With Parkinson's Disease. <i>Ergonomics in Design</i> , 0, , 106480462110055.	0.7	1



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127	The importance of promoting physical activity and exercise training as adjuvant therapy for people with multiple sclerosis. Motriz Revista De Educacao Fisica, 0, 28, .	0.2	1