

Philippe Terrier

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,674
citations

331670

21
h-index

289244

40
g-index

46
all docs

46
docs citations

46
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematic variability, fractal dynamics and local dynamic stability of treadmill walking. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 12.	4.6	140
2	A new accelerometric method to assess the daily walking practice. <i>International Journal of Obesity</i> , 2002, 26, 111-118.	3.4	122
3	Effect of age on the variability and stability of gait: A cross-sectional treadmill study in healthy individuals between 20 and 69 years of age. <i>Gait and Posture</i> , 2015, 41, 170-174.	1.4	122
4	GPS analysis of human locomotion: Further evidence for long-range correlations in stride-to-stride fluctuations of gait parameters. <i>Human Movement Science</i> , 2005, 24, 97-115.	1.4	110
5	Variability of gait patterns during unconstrained walking assessed by satellite positioning (GPS). <i>European Journal of Applied Physiology</i> , 2003, 90, 554-561.	2.5	85
6	Walking Activity Measured by Accelerometry During Respiratory Rehabilitation. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2003, 23, 357-364.	0.5	85
7	Persistent and anti-persistent pattern in stride-to-stride variability of treadmill walking: Influence of rhythmic auditory cueing. <i>Human Movement Science</i> , 2012, 31, 1585-1597.	1.4	81
8	How useful is satellite positioning system (GPS) to track gait parameters? A review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2005, 2, 28.	4.6	73
9	Can accelerometry accurately predict the energy cost of uphill/downhill walking?. <i>Ergonomics</i> , 2001, 44, 48-62.	2.1	68
10	High-precision satellite positioning system as a new tool to study the biomechanics of human locomotion. <i>Journal of Biomechanics</i> , 2000, 33, 1717-1722.	2.1	65
11	Improvement of walking speed prediction by accelerometry and altimetry, validated by satellite positioning. <i>Medical and Biological Engineering and Computing</i> , 2000, 38, 164-168.	2.8	63
12	Non-linear dynamics of human locomotion: effects of rhythmic auditory cueing on local dynamic stability. <i>Frontiers in Physiology</i> , 2013, 4, 230.	2.8	55
13	Could Local Dynamic Stability Serve as an Early Predictor of Falls in Patients with Moderate Neurological Gait Disorders? A Reliability and Comparison Study in Healthy Individuals and in Patients with Paresis of the Lower Extremities. <i>PLoS ONE</i> , 2014, 9, e100550.	2.5	52
14	Fractal Fluctuations in Human Walking: Comparison Between Auditory and Visually Guided Stepping. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2785-2793.	2.5	48
15	Measurement of the mechanical power of walking by satellite positioning system (GPS). <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 1912-1918.	0.4	45
16	Local dynamic stability of treadmill walking: Intrasession and week-to-week repeatability. <i>Journal of Biomechanics</i> , 2014, 47, 74-80.	2.1	42
17	Local dynamic stability as a responsive index for the evaluation of rehabilitation effect on fall risk in patients with multiple sclerosis: a longitudinal study. <i>BMC Research Notes</i> , 2013, 6, 260.	1.4	36
18	Role of visual input in the control of dynamic balance: variability and instability of gait in treadmill walking while blindfolded. <i>Experimental Brain Research</i> , 2015, 233, 1031-1040.	1.5	31

#	ARTICLE	IF	CITATIONS
19	Gait Recognition via Deep Learning of the Center-of-Pressure Trajectory. Applied Sciences (Switzerland), 2020, 10, 774.	2.5	31
20	Postural control in healthy adults: Determinants of trunk sway assessed with a chest-worn accelerometer in 12 quiet standing tasks. PLoS ONE, 2019, 14, e0211051.	2.5	26
21	Evaluation of hip abductor and adductor strength in the elderly: a reliability study. European Review of Aging and Physical Activity, 2017, 14, 5.	2.9	25
22	Hip muscle and hand-grip strength to differentiate between older fallers and non-fallers: a cross-sectional validity study. Clinical Interventions in Aging, 2018, Volume 13, 1-8.	2.9	24
23	Prescription footwear for severe injuries of foot and ankle: Effect on regularity and symmetry of the gait assessed by trunk accelerometry. Gait and Posture, 2009, 30, 492-496.	1.4	23
24	Do orthopaedic shoes improve local dynamic stability of gait? An observational study in patients with chronic foot and ankle injuries. BMC Musculoskeletal Disorders, 2013, 14, 94.	1.9	22
25	Step-to-Step Variability in Treadmill Walking: Influence of Rhythmic Auditory Cueing. PLoS ONE, 2012, 7, e47171.	2.5	20
26	Maximum Lyapunov exponent revisited: Long-term attractor divergence of gait dynamics is highly sensitive to the noise structure of stride intervals. Gait and Posture, 2018, 66, 236-241.	1.4	20
27	Differences in the miRNA signatures of chronic musculoskeletal pain patients from neuropathic or nociceptive origins. PLoS ONE, 2019, 14, e0219311.	2.5	20
28	To What Extent Does Not Wearing Shoes Affect the Local Dynamic Stability of Walking?: Effect Size and Intrasession Repeatability. Journal of Applied Biomechanics, 2014, 30, 305-309.	0.8	19
29	Monitoring of Gait Quality in Patients With Chronic Pain of Lower Limbs. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1843-1852.	4.9	16
30	Influence of Initial Foot Dorsal Flexion on Vertical Jump and Running Performance. Journal of Strength and Conditioning Research, 2010, 24, 2352-2357.	2.1	14
31	Visually-guided gait training in paretic patients during the first rehabilitation phase: study protocol for a randomized controlled trial. Trials, 2016, 17, 523.	1.6	14
32	On Foot Navigation: When GPS Alone is Not Enough. Journal of Navigation, 2000, 53, 279-285.	1.7	13
33	Determinants of gait stability while walking on a treadmill: A machine learning approach. Journal of Biomechanics, 2017, 65, 212-215.	2.1	11
34	The Biomechanic Origin of Sprint Performance Enhancement after One-Week Creatine Supplementation.. The Japanese Journal of Physiology, 2000, 50, 273-276.	0.9	10
35	Influencing walking behavior can increase the physical activity of patients with chronic pain hospitalized for multidisciplinary rehabilitation: an observational study. BMC Musculoskeletal Disorders, 2019, 20, 188.	1.9	10
36	Influence of single and dual tasks on gait stability and gait speed in the elderly. Zeitschrift Fur Gerontologie Und Geriatrie, 2019, 52, 23-27.	1.8	6

#	ARTICLE	IF	CITATIONS
37	<p>The Role of Hip Abductor Strength in Identifying Older Persons at Risk of Falls: A Diagnostic Accuracy Study</p>. Clinical Interventions in Aging, 2020, Volume 15, 645-654.	2.9	6
38	Complexity of human walking: the attractor complexity index is sensitive to gait synchronization with visual and auditory cues. PeerJ, 2019, 7, e7417.	2.0	6
39	Working Together and Being Physically Active Are Not Enough to Advise Uniformly and Adequately Low Back Pain Patients: A Cross-Sectional Study. Pain Research and Management, 2018, 2018, 1-11.	1.8	5
40	Intra-rater reliability of hip abductor isometric strength testing in a standing position in older fallers and non-fallers. European Review of Aging and Physical Activity, 2018, 15, 9.	2.9	5
41	Predictive Factors of Recovery after an Acute Lateral Ankle Sprain: A Longitudinal Study. Sports, 2021, 9, 41.	1.7	2
42	Role of vision in gait stabilization: Local dynamic stability in treadmill walking while blindfolded. Journal of the Neurological Sciences, 2013, 333, e570-e571.	0.6	1
43	Visual Fixation on the Thorax Predicts Bystander Breathing Detection in Simulated Out-of-Hospital Cardiac Arrest, but Video Debriefing With Eye Tracking Gaze Overlay Does Not Enhance Postallocation Success Rate. Simulation in Healthcare, 2021, Publish Ahead of Print, .	1.2	0