Philippe Terrier

List of Publications by Year
in descending order

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	Predictive Factors of Recovery after an Acute Lateral Ankle Sprain: A Longitudinal Study. Sports, 2021, 9, 41.	1.7	2
2	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
3	Gait Recognition via Deep Learning of the Center-of-Pressure Trajectory. Applied Sciences (Switzerland), 2020, 10, 774.	2.5	31
4	The Role of Hip Abductor Strength in Identifying Older Persons at Risk of Falls: A Diagnostic Accuracy Study . Clinical Interventions in Aging, 2020, Volume 15, 645-654.	2.9	6
5	Differences in the miRNA signatures of chronic musculoskeletal pain patients from neuropathic or nociceptive origins. PLoS ONE, 2019, 14, e0219311.	2.5	20
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Determinants of gait stability while walking on a treadmill: A machine learning approach. Journal of Biomechanics, 2017, 65, 212-215.	2.1	11
16	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
17	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
18	Fractal Fluctuations in Human Walking: Comparison Between Auditory and Visually Guided Stepping. Annals of Biomedical Engineering, 2016, 44, 2785-2793.	2.5	48

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19	Role of visual input in the control of dynamic balance: variability and instability of gait in treadmill walking while blindfolded. Experimental Brain Research, 2015, 233, 1031-1040.	1.5	31
20	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. Gait and Posture, 2015, 41, 170-174.	1.4	122
21	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. PLoS ONE, 2014, 9, e100550.	2.5	52
22	Local dynamic stability of treadmill walking: Intrasession and week-to-week repeatability. Journal of Biomechanics, 2014, 47, 74-80.	2.1	42
23	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
24	Local dynamic stability as a responsive index for the evaluation of rehabilitation effect on fall risk in patients with multiple sclerosis: a longitudinal study. BMC Research Notes, 2013, 6, 260.	1.4	36
25	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
26	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
27	Non-linear dynamics of human locomotion: effects of rhythmic auditory cueing on local dynamic stability. Frontiers in Physiology, 2013, 4, 230.	2.8	55
28	Persistent and anti-persistent pattern in stride-to-stride variability of treadmill walking: Influence of rhythmic auditory cueing. Human Movement Science, 2012, 31, 1585-1597.	1.4	81
29	Step-to-Step Variability in Treadmill Walking: Influence of Rhythmic Auditory Cueing. PLoS ONE, 2012, 7, e47171.	2.5	20
30	Kinematic variability, fractal dynamics and local dynamic stability of treadmill walking. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 12.	4.6	140
31	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
32	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
33	GPS analysis of human locomotion: Further evidence for long-range correlations in stride-to-stride fluctuations of gait parameters. Human Movement Science, 2005, 24, 97-115.	1.4	110
34	How useful is satellite positioning system (GPS) to track gait parameters? A review. Journal of NeuroEngineering and Rehabilitation, 2005, 2, 28.	4.6	73
35	Variability of gait patterns during unconstrained walking assessed by satellite positioning (GPS). European Journal of Applied Physiology, 2003, 90, 554-561.	2.5	85
36	Walking Activity Measured by Accelerometry During Respiratory Rehabilitation. Journal of Cardiopulmonary Rehabilitation and Prevention, 2003, 23, 357-364.	0.5	85

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37	A new accelerometric method to assess the daily walking practice. International Journal of Obesity, 2002, 26, 111-118.	3.4	122
38	Can accelerometry accurately predict the energy cost of uphill/downhill walking?. Ergonomics, 2001, 44, 48-62.	2.1	68
39	Measurement of the mechanical power of walking by satellite positioning system (GPS). Medicine and Science in Sports and Exercise, 2001, 33, 1912-1918.	0.4	45
40	On Foot Navigation: When GPS Alone is Not Enough. Journal of Navigation, 2000, 53, 279-285.	1.7	13
41	High-precision satellite positioning system as a new tool to study the biomechanics of human locomotion. Journal of Biomechanics, 2000, 33, 1717-1722.	2.1	65
42	Improvement of walking speed prediction by accelerometry and altimetry, validated by satellite positioning. Medical and Biological Engineering and Computing, 2000, 38, 164-168.	2.8	63
43	The Biomechanic Origin of Sprint Performance Enhancement after One-Week Creatine Supplementation.. The Japanese Journal of Physiology, 2000, 50, 273-276.	0.9	10