

# Nicolas Vuillerme

## List of Publications by Year in descending order

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Version: 2024-02-01

242  
papers

6,094  
citations

71102

41  
h-index

114465

63  
g-index

259  
all docs

259  
docs citations

259  
times ranked

5438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Outcome-dependent effects of walking speed and age on quantitative and qualitative gait measures. <i>Gait and Posture</i> , 2022, 93, 39-46.	1.4	7
2	Assessing and Qualifying Neighborhood Walkability for Older Adults: Construction and Initial Testing of a Multivariate Spatial Accessibility Model. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1808.	2.6	10
3	Review and Analysis of German Mobile Apps for Inflammatory Bowel Disease Management Using the Mobile Application Rating Scale: Systematic Search in App Stores and Content Analysis. <i>JMIR MHealth and UHealth</i> , 2022, 10, e31102.	3.7	10
4	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
5	Objective Measurement of Walking Activity Using Wearable Technologies in People with Parkinson Disease: A Systematic Review. <i>Sensors</i> , 2022, 22, 4551.	3.8	4
6	Step and Distance Measurement From a Low-Cost Consumer-Based Hip and Wrist Activity Monitor: Protocol for a Validity and Reliability Assessment. <i>JMIR Research Protocols</i> , 2021, 10, e21262.	1.0	3
7	Gaining Insights Into the Estimation of the Circadian Rhythms of Social Activity in Older Adults From Their Telephone Call Activity With Statistical Learning: Observational Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e22339.	4.3	2
8	Digital Health Transition in Rheumatology: A Qualitative Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2636.	2.6	32
9	Interpersonal Perception of Time-Use Patterns in Romantic Relationships: Protocol for the IP-COUPLES Study. <i>JMIR Research Protocols</i> , 2021, 10, e21306.	1.0	0
10	Spatio-temporal gait parameters obtained from foot-worn inertial sensors are reliable in healthy adults in single- and dual-task conditions. <i>Scientific Reports</i> , 2021, 11, 10229.	3.3	19
11	Gait Variability and Complexity during Single and Dual-Task Walking on Different Surfaces in Outdoor Environment. <i>Sensors</i> , 2021, 21, 4792.	3.8	18
12	Quality of a Supporting Mobile App for Rheumatic Patients: Patient-Based Assessment Using the User Version of the Mobile Application Scale (uMARS). <i>Frontiers in Medicine</i> , 2021, 8, 715345.	2.6	18
13	Unpredictable, Counter-Intuitive Geoclimatic and Demographic Correlations of COVID-19 Spread Rates. <i>Biology</i> , 2021, 10, 623.	2.8	7
14	Comparison of Energy Expenditure Assessed Using Wrist- and Hip-Worn ActiGraph GT3X in Free-Living Conditions in Young and Older Adults. <i>Frontiers in Medicine</i> , 2021, 8, 696968.	2.6	5
15	Gait in patients with axial spondyloarthritis: A systematic review of the literature. <i>Current Rheumatology Reviews</i> , 2021, 17, .	0.8	3
16	Accuracy and usability of a diagnostic decision support system in the diagnosis of three representative rheumatic diseases: a randomized controlled trial among medical students. <i>Arthritis Research and Therapy</i> , 2021, 23, 233.	3.5	15
17	The effects of a secondary task on gait in axial spondyloarthritis. <i>Scientific Reports</i> , 2021, 11, 19537.	3.3	1
18	Gait and Axial Spondyloarthritis: Comparative Gait Analysis Study Using Foot-Worn Inertial Sensors. <i>JMIR MHealth and UHealth</i> , 2021, 9, e27087.	3.7	4

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19	Objective Measurements of Physical Activity and Sedentary Behavior Using Wearable Devices in Patients With Axial Spondyloarthritis: Protocol for a Systematic Review. <i>JMIR Research Protocols</i> , 2021, 10, e23359.	1.0	1
20	Ankle muscle fatigability impairs body sway for more than 24 hours. <i>Journal of Biomechanics</i> , 2021, 133, 110890.	2.1	2
21	Gait characteristics in patients with ankylosing spondylitis: a systematic review. <i>Clinical and Experimental Rheumatology</i> , 2021, 39, 173-186.	0.8	7
22	TELERAâ€™Asynchronous TELEmedicine for Patients With Rheumatoid Arthritis: Study Protocol for a Prospective, Multi-Center, Randomized Controlled Trial. <i>Frontiers in Medicine</i> , 2021, 8, 791715.	2.6	10
23	Opportunities and Barriers of Telemedicine in Rheumatology: A Participatory, Mixed-Methods Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13127.	2.6	22
24	Gait characteristics in patients with ankylosing spondylitis: a systematic review. <i>Clinical and Experimental Rheumatology</i> , 2021, 39, 173-186.	0.8	15
25	Validity of wearable actimeter computation of total energy expenditure during walking in post-stroke individuals. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 209-215.	2.3	11
26	Motor tract integrity predicts walking recovery. <i>Neurology</i> , 2020, 94, e583-e593.	1.1	41
27	Do gait and muscle activation patterns change at middle-age during split-belt adaptation?. <i>Journal of Biomechanics</i> , 2020, 99, 109510.	2.1	8
28	Flexion-Relaxation Ratio Asymmetry and Its Relation With Trunk Lateral ROM in Individuals With and Without Chronic Nonspecific Low Back Pain. <i>Spine</i> , 2020, 45, E1-E9.	2.0	16
29	Adaptive Control of Dynamic Balance across the Adult Lifespan. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2270-2277.	0.4	13
30	Foot-Worn Inertial Sensors Are Reliable to Assess Spatiotemporal Gait Parameters in Axial Spondyloarthritis under Single and Dual Task Walking in Axial Spondyloarthritis. <i>Sensors</i> , 2020, 20, 6453.	3.8	10
31	R2D2: A scalable deep learning toolkit for medical imaging segmentation. <i>Software - Practice and Experience</i> , 2020, 50, 1966-1985.	3.6	3
32	Inverted Covariate Effects for First versus Mutated Second Wave Covid-19: High Temperature Spread Biased for Young. <i>Biology</i> , 2020, 9, 226.	2.8	25
33	Novel statistical approach for assessing the persistence of the circadian rhythms of social activity from telephone call detail records in older adults. <i>Scientific Reports</i> , 2020, 10, 21464.	3.3	4
34	How much do we know about the effectiveness of warm-up intervention on work related musculoskeletal disorders, physical and psychosocial functions: protocol for a systematic review. <i>BMJ Open</i> , 2020, 10, e039063.	1.9	3
35	Oxygen Cost During Walking in Individuals With Stroke: Hemiparesis Versus Cerebellar Ataxia. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 289-298.	2.9	6
36	Circadian Rhythms in the Telephone Calls of Older Adults: Observational Descriptive Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e12452.	3.7	11

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37	Exploitation of Outgoing and Incoming Telephone Calls in the Context of Circadian Rhythms of Social Activity Among Elderly People: Observational Descriptive Study. JMIR MHealth and UHealth, 2020, 8, e13535.	3.7	3
38	Heart Rate Monitoring for the Detection of Changes in Mental Demands During Computer Work. IFMBE Proceedings, 2019, , 367-370.	0.3	1
39	Gait as predictor of physical function in axial spondyloarthritis: the prospective longitudinal FOLOMI (Function, Locomotion, Measurement, Inflammation) study protocol. Rheumatology International, 2019, 39, 1681-1688.	3.0	8
40	Experimental knee-related pain enhances attentional interference on postural control. European Journal of Applied Physiology, 2019, 119, 2053-2064.	2.5	6
41	Association between social asymmetry and depression in older adults: A phone Call Detail Records analysis. Scientific Reports, 2019, 9, 13524.	3.3	8
42	Asymmetry of lumbar muscles fatigability with non-specific chronic low back pain patients. European Spine Journal, 2019, 28, 2526-2534.	2.2	9
43	Human Activities and Postures Recognition: From Inertial Measurements to Quaternion-Based Approaches. Sensors, 2019, 19, 4058.	3.8	14
44	Validity of the Walked Distance Estimated by Wearable Devices in Stroke Individuals. Sensors, 2019, 19, 2497.	3.8	18
45	An oculometrics-based biofeedback system to impede fatigue development during computer work: A proof-of-concept study. PLoS ONE, 2019, 14, e0213704.	2.5	9
46	Changing behaviors: Using norms to promote physical activity for type 2 diabetes patients. Revue Europeenne De Psychologie Appliquee, 2019, 69, 59-64.	0.8	5
47	Effects of Aging and Task Prioritization on Split-Belt Gait Adaptation. Frontiers in Aging Neuroscience, 2019, 11, 10.	3.4	29
48	Balance control during stance - A comparison between horseback riding athletes and non-athletes. PLoS ONE, 2019, 14, e0211834.	2.5	11
49	Auto-CNNp: a component-based framework for automating CNN parallelism. , 2019, , .		4
50	Automating CNN Parallelism with Components. , 2019, , .		1
51	Early Detection of Fatigue Based on Heart Rate in Sedentary Computer Work in Young and Old Adults. Advances in Intelligent Systems and Computing, 2019, , 104-111.	0.6	2
52	Gait Characteristics in Patients With Ankylosing Spondylitis: Protocol for a Systematic Review. JMIR Research Protocols, 2019, 8, e12470.	1.0	6
53	How to Measure Circadian Rhythms of Activity and Their Disruptions in Humans Using Passive and Unobtrusive Capture of Phone Call Activity. Studies in Health Technology and Informatics, 2019, 264, 1631-1632.	0.3	5
54	Characterization of the Dynamics of Sitting During a Sustained and Mentally Demanding Computer Task. Advances in Intelligent Systems and Computing, 2019, , 338-344.	0.6	0

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55	Flexion-Relaxation Phenomenon in Children and Adolescents With and Without Nonspecific Chronic Low Back Pain. <i>Spine</i> , 2018, 43, 1322-1330.	2.0	2
56	Light Touch Contact Improves Pain-Evoked Postural Instability During Quiet Standing. <i>Pain Medicine</i> , 2018, 19, 2487-2495.	1.9	4
57	Reliability of Oculometrics During a Mentally Demanding Task in Young and Old Adults. <i>IEEE Access</i> , 2018, 6, 17500-17517.	4.2	31
58	The relationship between gait dynamics and future cognitive decline: a prospective pilot study in geriatric patients. <i>International Psychogeriatrics</i> , 2018, 30, 1301-1309.	1.0	11
59	Rating of perceived exertion with Borg scale in stroke over two common activities of the daily living. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 145-149.	1.9	14
60	EMG normalization method based on grade 3 of manual muscle testing: Within- and between-day reliability of normalization tasks and application to gait analysis. <i>Gait and Posture</i> , 2018, 60, 6-12.	1.4	25
61	Assessment of attention demand for balance control using a Smartphone: implementation and evaluation. , 2018, 2018, 5598-5601.		2
62	Eye movement characteristics reflected fatigue development in both young and elderly individuals. <i>Scientific Reports</i> , 2018, 8, 13148.	3.3	48
63	External and Internal Focus of Attention Increases Muscular Activation During Bench Press in Resistance-Trained Participants. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 2442-2451.	2.1	12
64	Local dynamic stability during gait for predicting falls in elderly people: A one-year prospective study. <i>PLoS ONE</i> , 2018, 13, e0197091.	2.5	39
65	Reduction of Prolonged Excessive Pressure in Seated Persons With Paraplegia Using Wireless Lingual Tactile Feedback: A Randomized Controlled Trial. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-11.	3.7	2
66	Identifying Subgroups of Patients With Chronic Nonspecific Low Back Pain Based on a Multifactorial Approach: Protocol For a Prospective Study. <i>JMIR Research Protocols</i> , 2018, 7, e104.	1.0	13
67	Effects of a Worksite Supervised Adapted Physical Activity Program on Trunk Muscle Endurance, Flexibility, and Pain Sensitivity Among Vineyard Workers. <i>Journal of Agromedicine</i> , 2017, 22, 200-214.	1.5	12
68	Internal and External Focus of Attention During Bench Press Results in Increased EMG Amplitudes. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 391-392.	0.4	0
69	Can energy expenditure be accurately assessed using accelerometry-based wearable motion detectors for physical activity monitoring in post-stroke patients in the subacute phase?. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 2009-2016.	1.8	25
70	Multiscale and Shannon entropies during gait as fall risk predictorsâ€™A prospective study. <i>Gait and Posture</i> , 2017, 52, 5-10.	1.4	22
71	Obstacle detection and warning system for visually impaired people based on electrode matrix and mobile Kinect. <i>Vietnam Journal of Computer Science</i> , 2017, 4, 71-83.	1.2	43
72	Biomechanical Modeling of the Foot. , 2017, , 545-563.		5

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73	Regularity of Center of Pressure Trajectories in Expert Gymnasts during Bipedal Closed-Eyes Quiet Standing. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 317.	2.0	20
74	Gait dynamics to optimize fall risk assessment in geriatric patients admitted to an outpatient diagnostic clinic. <i>PLoS ONE</i> , 2017, 12, e0178615.	2.5	40
75	Gait characteristics and their discriminative power in geriatric patients with and without cognitive impairment. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 84.	4.6	21
76	Variability of spatial temporal gait parameters and center of pressure displacements during gait in elderly fallers and nonfallers: A 6-month prospective study. <i>PLoS ONE</i> , 2017, 12, e0171997.	2.5	36
77	Trunk kinematics and low back pain during pruning among vineyard workersâ€™ A field study at the Chateau Larose-Trintaudon. <i>PLoS ONE</i> , 2017, 12, e0175126.	2.5	14
78	The effect of perceived exertion on balance in patients with chronic respiratory diseases. , 2017, , .		0
79	Real-Time Obstacle Detection System in Indoor Environment for the Visually Impaired Using Microsoft Kinect Sensor. <i>Journal of Sensors</i> , 2016, 2016, 1-13.	1.1	56
80	Surface Electromyography in Pediatric Patients with Nonspecific Chronic Low Back Pain: A Systematic Review. <i>Critical Reviews in Physical and Rehabilitation Medicine</i> , 2016, 28, 203-214.	0.1	2
81	iProprio: A smartphone-based system to measure and improve proprioceptive function. , 2016, 2016, 2622-2625.		8
82	Intra-session absolute and relative reliability of pressure pain thresholds in the low back region of vine-workers: effect of the number of trials. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 350.	1.9	36
83	Clinical workflow for personalized foot pressure ulcer prevention. <i>Medical Engineering and Physics</i> , 2016, 38, 845-853.	1.7	28
84	Timed Up and Go test: Comparison of kinematics between patients with chronic stroke and healthy subjects. <i>Gait and Posture</i> , 2016, 49, 258-263.	1.4	23
85	Walking ability to predict future cognitive decline in old adults: A scoping review. <i>Ageing Research Reviews</i> , 2016, 27, 1-14.	10.9	121
86	Multiple gait parameters derived from iPod accelerometry predict age-related gait changes. <i>Gait and Posture</i> , 2016, 46, 112-117.	1.4	31
87	Multivariate Analyses and Classification of Inertial Sensor Data to Identify Aging Effects on the Timed-Up-and-Go Test. <i>PLoS ONE</i> , 2016, 11, e0155984.	2.5	53
88	Is One Trial Sufficient to Obtain Excellent Pressure Pain Threshold Reliability in the Low Back of Asymptomatic Individuals? A Test-Retest Study. <i>PLoS ONE</i> , 2016, 11, e0160866.	2.5	67
89	The effect of fatigue on bipedal postural control in patients with severe chronic obstructive pulmonary disease. , 2016, , .		0
90	Performance Evaluation of Smartphone Inertial Sensors Measurement for Range of Motion. <i>Sensors</i> , 2015, 15, 23168-23187.	3.8	93

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91	Mobile Phone-Based Joint Angle Measurement for Functional Assessment and Rehabilitation of Proprioception. <i>BioMed Research International</i> , 2015, 2015, 1-15.	1.9	60
92	Influence of the Calcaneus Shape on the Risk of Posterior Heel Ulcer Using 3D Patient-Specific Biomechanical Modeling. <i>Annals of Biomedical Engineering</i> , 2015, 43, 325-335.	2.5	25
93	Obstacle detection and warning for visually impaired people based on electrode matrix and mobile Kinect. , 2015, , .		12
94	Using Sensory Substitution of Median Sensory Deficits in the Traumatized Hand to Develop an Innovative Home-Based Hand Rehabilitation System. <i>Lecture Notes in Computer Science</i> , 2015, , 53-63.	1.3	0
95	Validity and Reliability of Gait and Postural Control Analysis Using the Tri-axial Accelerometer of the iPod Touch. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1935-1946.	2.5	55
96	Actimetry@home: Actimetric Tele-surveillance and Tailored to the Signal Data Compression. <i>Lecture Notes in Computer Science</i> , 2015, , 59-70.	1.3	4
97	Results with the Roseland <sup>®</sup> HAC trapeziometacarpal prosthesis after more than 10 years. <i>Chirurgie De La Main</i> , 2015, 34, 59-66.	0.7	45
98	Gait parameters predicted by Timed Up and Go performance in stroke patients. <i>NeuroRehabilitation</i> , 2015, 36, 73-80.	1.3	21
99	Conception and evaluation of a 3D musculoskeletal finite element foot model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 2024-2025.	1.6	4
100	Factors related to the high fall rate in long-term care residents with dementia. <i>International Psychogeriatrics</i> , 2015, 27, 803-814.	1.0	37
101	Software Consolidation as an Efficient Energy and Cost Saving Solution for a SaaS/PaaS Cloud Model. <i>Lecture Notes in Computer Science</i> , 2015, , 305-316.	1.3	7
102	Smartphone-Based System for Sensorimotor Control Assessment, Monitoring, Improving and Training at Home. <i>Lecture Notes in Computer Science</i> , 2015, , 141-151.	1.3	2
103	3D musculoskeletal finite element analysis of the foot kinematics under muscle activation with and without ankle arthrodesis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 2022-2023.	1.6	4
104	Serious Games and Personalization of the Therapeutic Education. <i>Lecture Notes in Computer Science</i> , 2015, , 270-281.	1.3	5
105	Spatiotemporal and Kinematic Parameters Relating to Oriented Gait and Turn Performance in Patients with Chronic Stroke. <i>PLoS ONE</i> , 2015, 10, e0129821.	2.5	29
106	Bipedal postural control in severe COPD patients with bronchitic and emphysematic phenotype. , 2015, , .		0
107	Foot ulcer prevention using biomechanical modelling. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2014, 2, 189-196.	1.9	8
108	Sensory Substitution for Balance Control Using a Vestibular-to-Tactile Device. <i>Multisensory Research</i> , 2014, 27, 313-336.	1.1	6

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109	Effects of gait training using a robotic constraint (Lokomat <sup>®</sup> ) on gait kinematics and kinetics in chronic stroke patients. <i>Journal of Rehabilitation Medicine</i> , 2014, 46, 132-138.	1.1	25
110	Reference Selection Influences the Reliability of Conclusions. <i>Sports Medicine</i> , 2014, 44, 1473-1474.	6.5	1
111	Persistent Behaviour in Healthcare Facilities: From Actimetric Tele-Surveillance to Therapy Education. <i>Lecture Notes in Computer Science</i> , 2014, , 297-311.	1.3	5
112	Effect of multisite botulinum toxin injections on gait quality in adults with cerebral palsy. <i>Disability and Rehabilitation</i> , 2014, 36, 1971-1974.	1.8	5
113	Effect of an Overground Training Session Versus a Treadmill Training Session on Timed Up and Go in Hemiparetic Patients. <i>Topics in Stroke Rehabilitation</i> , 2014, 21, 477-483.	1.9	8
114	Smart Diabetic Socks: Embedded device for diabetic foot prevention. <i>Irbm</i> , 2014, 35, 72-76.	5.6	33
115	Biomechanical modeling to prevent ischial pressure ulcers. <i>Journal of Biomechanics</i> , 2014, 47, 2231-2236.	2.1	39
116	iBalance-ABF: A Smartphone-Based Audio-Biofeedback Balance System. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 211-215.	4.2	68
117	Wegoto: A Smartphone-based approach to assess and improve accessibility for wheelchair users. , 2013, 2013, 1194-7.		16
118	Using the cervical range of motion (CROM) device to assess head repositioning accuracy in individuals with cervical radiculopathy in comparison to neck- healthy individuals. <i>Manual Therapy</i> , 2013, 18, 403-409.	1.6	39
119	Effects of a gait training session combined with a mass on the non-paretic lower limb on locomotion of hemiparetic patients: A randomized controlled clinical trial. <i>Gait and Posture</i> , 2013, 37, 627-630.	1.4	26
120	TexiCare: An innovative embedded device for pressure ulcer prevention. Preliminary results with a paraplegic volunteer. <i>Journal of Tissue Viability</i> , 2013, 22, 83-90.	2.0	28
121	Clinical and biomechanical factors which predict Timed Up and Down Stairs test performance in hemiparetic patients. <i>Gait and Posture</i> , 2013, 38, 466-470.	1.4	22
122	Theme G: eHealth. Results and future works. <i>Irbm</i> , 2013, 34, 18-20.	5.6	0
123	Estimation of Task Persistence Parameters from Pervasive Medical Systems with Censored Data. <i>IEEE Transactions on Mobile Computing</i> , 2013, 12, 633-646.	5.8	7
124	Effect of saccades in tongue electrotactile stimulation for vision substitution applications. , 2013, 2013, 3543-6.		1
125	Multi-modal framework for subject-specific finite element model generation aimed at pressure ulcer prevention. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 147-148.	1.6	2
126	A wearable assistive device for the blind using tongue-placed electrotactile display: Design and verification. , 2013, , .		8

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127	A wireless assistive device for visually-impaired persons using tongue electrotactile system. , 2013, , .		5
128	Evaluation of a Smartphone-based audio-biofeedback system for improving balance in older adults - A pilot study. , 2013, 2013, 1198-201.		13
129	Does a Single Gait Training Session Performed Either Overground or on a Treadmill Induce Specific Short-Term Effects on Gait Parameters in Patients with Hemiparesis? A Randomized Controlled Study. Topics in Stroke Rehabilitation, 2013, 20, 509-518.	1.9	15
130	Electrotactile vision substitution for 3D trajectory following. , 2013, 2013, 6413-6.		3
131	Dynamic biomechanical modelling for foot ulcer prevention. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 149-151.	1.6	4
132	Ambient Assistive Healthcare and Wellness Management – Is –The Wisdom of the Body–Transposable to One’s Home?. Lecture Notes in Computer Science, 2013, , 143-150.	1.3	4
133	Serious Game as New Health Telematics Tool for Patient Therapy Education: Example of Obesity and Type 2 Diabetes. Lecture Notes in Computer Science, 2013, , 187-197.	1.3	4
134	Sensory Re-Weighting in Human Bipedal Postural Control: The Effects of Experimentally-Induced Plantar Pain. PLoS ONE, 2013, 8, e65510.	2.5	13
135	Patient-specific finite element model of the buttocks for pressure ulcer prevention – linear versus non-linear modelling. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 38-40.	1.6	5
136	Balance rehabilitation therapy by tongue electrotactile biofeedback in patients with degenerative cerebellar disease. NeuroRehabilitation, 2012, 31, 429-434.	1.3	37
137	Social concerns of ubiquitous computing. , 2012, , .		0
138	Do somatosensory conditions from the foot and ankle affect postural responses to plantar-flexor muscles fatigue during bipedal quiet stance?. Gait and Posture, 2012, 36, 16-19.	1.4	22
139	Does the Integration of Haptic and Visual Cues Reduce the Effect of a Biased Visual Reference Frame on the Subjective Head Orientation?. PLoS ONE, 2012, 7, e34380.	2.5	10
140	Pressure Sores Prevention for Paraplegic People: Effects of Visual, Auditory and Tactile Supplementations on Overpressures Distribution in Seated Posture. Applied Bionics and Biomechanics, 2012, 9, 61-67.	1.1	11
141	Control of bipedal posture following localised muscle fatigue of the plantar-flexors and finger-flexors. European Journal of Applied Physiology, 2012, 112, 789-793.	2.5	7
142	Persistence of Motor-Equivalent Postural Fluctuations during Bipedal Quiet Standing. PLoS ONE, 2012, 7, e48312.	2.5	8
143	Fusion of Multiple Sensors Sources in a Smart Home to Detect Scenarios of Activities in Ambient Assisted Living. International Journal of E-Health and Medical Communications, 2012, 3, 29-44.	1.6	12
144	Effets d'une stimulation douloureuse de la sole plantaire sur le contrÃle de la posture bipÃde. , 2012, , 93-100.		1

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145	Effects of experimentally induced pain of the plantar soles on centre of foot pressure displacements during unperturbed upright stance. <i>Clinical Biomechanics</i> , 2011, 26, 424-428.	1.2	10
146	Biomechanics and physiological parameters during gait in lower-limb amputees: A systematic review. <i>Gait and Posture</i> , 2011, 33, 511-526.	1.4	185
147	Contribution of Each Leg to the Control of Unperturbed Bipedal Stance in Lower Limb Amputees: New Insights Using Entropy. <i>PLoS ONE</i> , 2011, 6, e19661.	2.5	28
148	Effect of Modified Visual Information on Postural Balance of Unilateral Transfemoral Amputees during Quiet Standing. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 922.	0.4	0
149	How Performing a Repetitive One-Legged Stance Modifies Two-Legged Postural Control. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 2911-2918.	2.1	5
150	Center-of-pressure regularity as a marker for attentional investment in postural control: A comparison between sitting and standing postures. <i>Human Movement Science</i> , 2011, 30, 203-212.	1.4	150
151	Short-term memory effects of an auditory biofeedback on isometric force control: Is there a differential effect as a function of transition trials?. <i>Human Movement Science</i> , 2011, 30, 436-445.	1.4	6
152	Local and global effects of neck muscle vibration during stabilization of upright standing. <i>Experimental Brain Research</i> , 2011, 210, 313-324.	1.5	9
153	Differential integration of visual and kinaesthetic signals to upright stance. <i>Experimental Brain Research</i> , 2011, 212, 33-46.	1.5	34
154	Effects of plantar-flexor muscle fatigue on the magnitude and regularity of center-of-pressure fluctuations. <i>Experimental Brain Research</i> , 2011, 212, 471-476.	1.5	16
155	Clinically oriented real-time monitoring of the individual's risk for deep tissue injury. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 473-483.	2.8	11
156	Can an electro-tactile vestibular substitution system improve balance in patients with unilateral vestibular loss under altered somatosensory conditions from the foot and ankle?. , 2011, 2011, 1323-6.		9
157	Towards a suitable time-scale representation of cardio-respiratory signals through Empirical Mode Decomposition algorithms: A simulation and validation tool. , 2011, 2011, 802-5.		1
158	Decreasing Internal Focus of Attention Improves Postural Control During Quiet Standing in Young Healthy Adults. <i>Research Quarterly for Exercise and Sport</i> , 2011, 82, 634-643.	1.4	25
159	Degradation of Cervical Joint Position Sense Following Muscular Fatigue in Humans. <i>Spine</i> , 2010, 35, 294-297.	2.0	30
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