

# Jaap H Van Dien

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

567  
papers

18,845  
citations

69  
h-index

109  
g-index

636  
ext. papers

22,164  
ext. citations

3  
avg, IF

7.08  
L-index

#	Paper	IF	Citations
567	Stride Lengths during Maximal Linear Sprint Acceleration Obtained with Foot-Mounted Inertial Measurement Units.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
566	Reliability of IMU-Based Gait Assessment in Clinical Stroke Rehabilitation.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	2
565	Effects of age and surface instability on the control of the center of mass.. <i>Human Movement Science</i> , <b>2022</b> , 82, 102930	2.4	0
564	Can foot placement during gait be trained? Adaptations in stability control when ankle moments are constrained.. <i>Journal of Biomechanics</i> , <b>2022</b> , 134, 110990	2.9	1
563	Can HDEMG-Based Low Back Muscle Fatigue Estimates Be Used in Exoskeleton Control During Prolonged Trunk Bending? A Pilot Study. <i>Biosystems and Biorobotics</i> , <b>2022</b> , 183-187	0.2	
562	Biomechanical Evaluation of the Effect of Three Trunk Support Exoskeletons on Spine Loading During Lifting. <i>Biosystems and Biorobotics</i> , <b>2022</b> , 177-181	0.2	
561	Limitation of Ankle Mobility Challenges Gait Stability While Walking on Lateral Inclines. <i>Biosystems and Biorobotics</i> , <b>2022</b> , 621-625	0.2	
560	Calibrating an EMG-Driven Muscle Model and a Regression Model to Estimate Moments Generated Actively by Back Muscles for Controlling an Actuated Exoskeleton with Limited Data. <i>Biosystems and Biorobotics</i> , <b>2022</b> , 401-405	0.2	
559	The Effects of Intermittent Trunk Flexion With and Without Support on Sitting Balance in Young Adults.. <i>Frontiers in Human Neuroscience</i> , <b>2022</b> , 16, 868153	3.3	
558	Concurrent validity of an easy-to-use inertial measurement unit-system to evaluate sagittal plane segment kinematics during overground sprinting at different speeds.. <i>Sports Biomechanics</i> , <b>2022</b> , 1-14	2.2	0
557	The effect of constraining mediolateral ankle moments and foot placement on the use of the counter-rotation mechanism during walking.. <i>Journal of Biomechanics</i> , <b>2022</b> , 136, 111073	2.9	0
556	The effect of cryotherapy on postural stabilization assessed by standardized horizontal perturbations of a movable platform.. <i>Gait and Posture</i> , <b>2022</b> , 94, 32-38	2.6	1
555	Consensus for experimental design in electromyography (CEDE) project: High-density surface electromyography matrix.. <i>Journal of Electromyography and Kinesiology</i> , <b>2022</b> , 64, 102656	2.5	4
554	Balanscontrole bij veroudering <b>2022</b> , 161-195		
553	Ankle muscles drive mediolateral center of pressure control to ensure stable steady state gait. <i>Scientific Reports</i> , <b>2021</b> , 11, 21481	4.9	2
552	The underlying mechanisms of improved balance after one and ten sessions of balance training in older adults. <i>Human Movement Science</i> , <b>2021</b> , 81, 102910	2.4	0
551	Strong relationship of muscle force and fall efficacy, but not of gait kinematics, with number of falls in the year after Total Hip Arthroplasty for osteoarthritis: An exploratory study.. <i>Clinical Biomechanics</i> , <b>2021</b> , 92, 105551	2.2	0

550	Associations of low-back pain and pain-related cognitions with lumbar movement patterns during repetitive seated reaching. <i>Gait and Posture</i> , <b>2021</b> , 91, 216-222	2.6	0
549	Determinants of pain and activity limitations in foot osteoarthritis: An exploratory cross-sectional study in the Amsterdam-foot cohort. <i>Osteoarthritis and Cartilage Open</i> , <b>2021</b> , 3, 100134	1.5	
548	The biomechanics of running and running styles: a synthesis. <i>Sports Biomechanics</i> , <b>2021</b> , 1-39	2.2	9
547	Estimation of Metabolic Energy Expenditure during Short Walking Bouts. <i>International Journal of Sports Medicine</i> , <b>2021</b> , 42, 1098-1104	3.6	0
546	Reliability of a novel dynamic test of postural stability in high-level soccer players. <i>Heliyon</i> , <b>2021</b> , 7, e06647	3.7	1
545	A novel passive neck orthosis for patients with degenerative muscle diseases: Development & evaluation. <i>Journal of Electromyography and Kinesiology</i> , <b>2021</b> , 57, 102515	2.5	3
544	Reliability of measures to characterize lumbar movement patterns, in repeated seated reaching, in a mixed group of participants with and without low-back pain: A test-retest, within- and between session. <i>Journal of Biomechanics</i> , <b>2021</b> , 121, 110435	2.9	2
543	Patients'perceived walking abilities, daily-life gait behavior and gait quality before and 3 months after total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2021</b> , 1	3.6	1
542	The short- and long-term temporal relation between falls and concern about falling in older adults without a recent history of falling. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253374	3.7	0
541	Passive Trunk Exoskeleton Acceptability and Effects on Self-efficacy in Employees with Low-Back Pain: A Mixed Method Approach. <i>Journal of Occupational Rehabilitation</i> , <b>2021</b> , 31, 129-141	3.6	11
540	The validation of new phase-dependent gait stability measures: a modelling approach. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201122	3.3	1
539	Development of a Balance Recovery Performance Measure for Gait Perturbation Training Based on the Center of Pressure. <i>Frontiers in Sports and Active Living</i> , <b>2021</b> , 3, 617430	2.3	1
538	Stabilization demands of walking modulate the vestibular contributions to gait. <i>Scientific Reports</i> , <b>2021</b> , 11, 13736	4.9	1
537	Consensus for experimental design in electromyography (CEDE) project: Terminology matrix. <i>Journal of Electromyography and Kinesiology</i> , <b>2021</b> , 59, 102565	2.5	8
536	Left/right discrimination is not impaired in people with unilateral chronic Achilles tendinopathy. <i>Musculoskeletal Science and Practice</i> , <b>2021</b> , 54, 102388	2.4	1
535	The relationship between relative aerobic load, energy cost, and speed of walking in individuals post-stroke. <i>Gait and Posture</i> , <b>2021</b> , 89, 193-199	2.6	
534	Coordination of Axial Trunk Rotations During Gait in Low Back Pain. A Narrative Review. <i>Journal of Human Kinetics</i> , <b>2021</b> , 76, 35-50	2.6	5
533	Construct validity and reliability of the modified gait efficacy scale for older adults. <i>Disability and Rehabilitation</i> , <b>2020</b> , 1-6	2.4	2

532	Perturbation-based gait training to improve daily life gait stability in older adults at risk of falling: protocol for the REACT randomized controlled trial. <i>BMC Geriatrics</i> , <b>2020</b> , 20, 167	4.1	6
531	Virtual Reality Balance Games Provide Little Muscular Challenge to Prevent Muscle Weakness in Healthy Older Adults. <i>Games for Health Journal</i> , <b>2020</b> , 9, 227-236	4.2	7
530	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. <i>Journal of Electromyography and Kinesiology</i> , <b>2020</b> , 53, 102438	2.5	64
529	Transfer and retention effects of gait training with anterior-posterior perturbations to postural responses after medio-lateral gait perturbations in older adults. <i>Clinical Biomechanics</i> , <b>2020</b> , 75, 104988	2.2	8
528	Testing an Exoskeleton That Helps Workers With Low-Back Pain: Less Discomfort With the Passive SPEXOR Trunk Device. <i>IEEE Robotics and Automation Magazine</i> , <b>2020</b> , 27, 66-76	3.4	10
527	Age-Related Differences in Muscle Synergy Organization during Step Ascent at Different Heights and Directions. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1987	2.6	6
526	Hypogravity reduces trunk admittance and lumbar muscle activation in response to external perturbations. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 1044-1055	3.7	7
525	Does a novel exergame challenge balance and activate muscles more than existing off-the-shelf exergames?. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2020</b> , 17, 6	5.3	12
524	The effect of anteroposterior perturbations on the control of the center of mass during treadmill walking. <i>Journal of Biomechanics</i> , <b>2020</b> , 103, 109660	2.9	7
523	Selecting the appropriate input variables in a regression approach to estimate actively generated muscle moments around L5/S1 for exoskeleton control. <i>Journal of Biomechanics</i> , <b>2020</b> , 102, 109650	2.9	1
522	Validation of a wearable system for 3D ambulatory L5/S1 moment assessment during manual lifting using instrumented shoes and an inertial sensor suit. <i>Journal of Biomechanics</i> , <b>2020</b> , 102, 109671	2.9	9
521	Modulation of soleus muscle H-reflexes and ankle muscle co-contraction with surface compliance during unipedal balancing in young and older adults. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 1371-1383	2.3	7
520	Identification of intrinsic and reflexive contributions to trunk stabilization in patients with low back pain: a case-control study. <i>European Spine Journal</i> , <b>2020</b> , 29, 1900-1908	2.7	0
519	Reliability of recurrence quantification analysis of postural sway data. A comparison of two methods to determine recurrence thresholds. <i>Journal of Biomechanics</i> , <b>2020</b> , 107, 109793	2.9	3
518	Biomechanical evaluation of a new passive back support exoskeleton. <i>Journal of Biomechanics</i> , <b>2020</b> , 105, 109795	2.9	31
517	Active foot placement control ensures stable gait: Effect of constraints on foot placement and ankle moments. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242215	3.7	7
516	Is standing sway an accurate measure of fall risk and predictor of future falls in older adults?. <i>Brazilian Journal of Motor Behavior</i> , <b>2020</b> , 14, 1-3	1.2	2
515	Head orientation and gait stability in young adults, dancers and older adults. <i>Gait and Posture</i> , <b>2020</b> , 80, 68-73	2.6	2

514	Evaluation of an acceleration-based assistive strategy to control a back-support exoskeleton for manual material handling. <i>Wearable Technologies</i> , <b>2020</b> , 1,	4	4
513	Perspectives of End Users on the Potential Use of Trunk Exoskeletons for People With Low-Back Pain: A Focus Group Study. <i>Human Factors</i> , <b>2020</b> , 62, 365-376	3.8	10
512	Effects of a passive back exoskeleton on the mechanical loading of the low-back during symmetric lifting. <i>Journal of Biomechanics</i> , <b>2020</b> , 102, 109486	2.9	24
511	Real-time feedback to reduce low-back load in lifting and lowering. <i>Journal of Biomechanics</i> , <b>2020</b> , 102, 109513	2.9	2
510	Effects of age and sex on trunk motor control. <i>Journal of Biomechanics</i> , <b>2020</b> , 102, 109607	2.9	2
509	SPEXOR passive spinal exoskeleton decreases metabolic cost during symmetric repetitive lifting. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 401-412	3.4	42
508	The effect of foot type, body length and mass on postural stability. <i>Gait and Posture</i> , <b>2020</b> , 81, 241-246	2.6	2
507	The influence of postural threat on strategy selection in a stepping-down paradigm. <i>Scientific Reports</i> , <b>2020</b> , 10, 10815	4.9	2
506	Using deep learning to track 3D kinematics. <i>Gait and Posture</i> , <b>2020</b> , 81, 369-370	2.6	0
505	Fear of movement is not associated with trunk movement variability during gait in patients with low back pain. <i>Spine Journal</i> , <b>2020</b> , 20, 1986-1994	4	3
504	Between-day reliability of IMU-derived spine control metrics in patients with low back pain. <i>Journal of Biomechanics</i> , <b>2020</b> , 113, 110080	2.9	1
503	Age-Matched Z-Scores for Longitudinal Monitoring of Center of Pressure Speed in Single-Leg Stance Performance in Elite Male Youth Soccer Players. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 495-505	3.2	2
502	Revealing the optimal thresholds for movement performance: A systematic review and meta-analysis to benchmark pathological walking behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 108, 24-33	9	14
501	Individual optimal step frequency during outdoor running. <i>European Journal of Sport Science</i> , <b>2020</b> , 20, 182-190	3.9	5
500	Angular Velocity, Moment, and Power Analysis of the Ankle, Knee, and Hip Joints in the Goalkeeper's Diving Save in Football. <i>Frontiers in Sports and Active Living</i> , <b>2020</b> , 2, 13	2.3	2
499	Active foot placement control ensures stable gait: Effect of constraints on foot placement and ankle moments <b>2020</b> , 15, e0242215		
498	Active foot placement control ensures stable gait: Effect of constraints on foot placement and ankle moments <b>2020</b> , 15, e0242215		
497	Active foot placement control ensures stable gait: Effect of constraints on foot placement and ankle moments <b>2020</b> , 15, e0242215		

496	Active foot placement control ensures stable gait: Effect of constraints on foot placement and ankle moments <b>2020</b> , 15, e0242215		
495	Stride and Step Length Obtained with Inertial Measurement Units during Maximal Sprint Acceleration. <i>Sports</i> , <b>2019</b> , 7,	3	11
494	Axial pelvis range of motion affects thorax-pelvis timing during gait. <i>Journal of Biomechanics</i> , <b>2019</b> , 95, 109308	2.9	3
493	A comparison of methods to quantify control of the spine. <i>Journal of Biomechanics</i> , <b>2019</b> , 96, 109344	2.9	4
492	Does a Perturbation-Based Gait Intervention Enhance Gait Stability in Fall-Prone Stroke Survivors? A Pilot Study. <i>Journal of Applied Biomechanics</i> , <b>2019</b> , 35, 173-181	1.2	5
491	Consistency and test-retest reliability of stepping tests designed to measure self-perceived and actual physical stepping ability in older adults. <i>Aging Clinical and Experimental Research</i> , <b>2019</b> , 31, 1765-1773	1.8	2
490	The human sensorimotor cortex fosters muscle synergies through cortico-synergy coherence. <i>NeuroImage</i> , <b>2019</b> , 199, 30-37	7.9	18
489	Dual vs. Single Tasking During Circular Walking: What Better Reflects Progression in Parkinson's Disease?. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 372	4.1	4
488	Impaired local dynamic stability during treadmill walking predicts future falls in patients with multiple sclerosis: A prospective cohort study. <i>Clinical Biomechanics</i> , <b>2019</b> , 67, 197-201	2.2	12
487	The effect of control strategies for an active back-support exoskeleton on spine loading and kinematics during lifting. <i>Journal of Biomechanics</i> , <b>2019</b> , 91, 14-22	2.9	41
486	Inter-individual differences in stride frequencies during running obtained from wearable data. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 1996-2006	3.6	6
485	Assessing age-related balance deterioration: Visual or mechanical tasks?. <i>Clinical Biomechanics</i> , <b>2019</b> , 65, 116-122	2.2	
484	Are Stability and Instability Relevant Concepts for Back Pain?. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 415-424	4.2	17
483	Potential Markers of Progression in Idiopathic Parkinson's Disease Derived From Assessment of Circular Gait With a Single Body-Fixed-Sensor: A 5 Year Longitudinal Study. <i>Frontiers in Human Neuroscience</i> , <b>2019</b> , 13, 59	3.3	11
482	Differences in Maximum Voluntary Excitation Between Isometric and Dynamic Contractions are Age-Dependent. <i>Journal of Applied Biomechanics</i> , <b>2019</b> , 35, 196-201	1.2	2
481	Don't forget the trunk in Duchenne muscular dystrophy patients: more muscle weakness and compensation than expected. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2019</b> , 16, 44	5.3	10
480	The effect of a passive trunk exoskeleton on metabolic costs during lifting and walking. <i>Ergonomics</i> , <b>2019</b> , 62, 903-916	2.9	45
479	Axial Thorax-Pelvis Coordination During Gait is not Predictive of Apparent Trunk Stiffness. <i>Scientific Reports</i> , <b>2019</b> , 9, 1066	4.9	4

478	Validity and Reliability of a Novel Integrative Motor Performance Testing Course for Seniors: The "Agility Challenge for the Elderly (ACE)". <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 44	4.6	3
477	Analysis of Motor Control in Patients With Low Back Pain: A Key to Personalized Care?. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 380-388	4.2	34
476	Motor Control Changes in Low Back Pain: Divergence in Presentations and Mechanisms. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 370-379	4.2	69
475	Kinematic and kinetic analysis of the goalkeeper's diving save in football. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 313-321	3.6	10
474	The assessment of single-leg drop jump landing performance by means of ground reaction forces: A methodological study. <i>Gait and Posture</i> , <b>2019</b> , 73, 80-85	2.6	6
473	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. <i>Journal of Electromyography and Kinesiology</i> , <b>2019</b> , 48, 128-144	2.5	43
472	Effects of Ankle Muscle Fatigue and Visual Behavior on Postural Sway in Young Adults. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 643	4.6	12
471	Quality of Daily-Life Gait: Novel Outcome for Trials that Focus on Balance, Mobility, and Falls. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
470	Neck postural stabilization, motion comfort, and impact simulation <b>2019</b> , 243-260		1
469	Gait quality assessed by trunk accelerometry after total knee arthroplasty and its association with patient related outcome measures. <i>Clinical Biomechanics</i> , <b>2019</b> , 70, 192-196	2.2	9
468	The effect of external lateral stabilization on the use of foot placement to control mediolateral stability in walking and running. <i>PeerJ</i> , <b>2019</b> , 7, e7939	3.1	14
467	Effects of an Inclination-Controlled Active Spinal Exoskeleton on Spinal Compression Forces. <i>Biosystems and Biorobotics</i> , <b>2019</b> , 505-509	0.2	1
466	Bench stepping with incremental heights improves muscle volume, strength and functional performance in older women. <i>Experimental Gerontology</i> , <b>2019</b> , 120, 6-14	4.5	5
465	The Effect of Preparatory Posture on Goalkeeper's Diving Save Performance in Football. <i>Frontiers in Sports and Active Living</i> , <b>2019</b> , 1, 15	2.3	4
464	September 2019 Letter to the Editor-in-Chief. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 679-681	4.2	1
463	Patients With Spinal Muscular Atrophy Use High Percentages of Trunk Muscle Capacity to Perform Seated Tasks. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2019</b> , 98, 1110-1117	2.6	5
462	Does misjudgement in a stepping down paradigm predict falls in an older population?. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 190786	3.3	1
461	Low back pain: Moving toward mechanism-based management. <i>Clinical Biomechanics</i> , <b>2019</b> , 61, 190-191	2.2	3

460	Effects of a passive exoskeleton on the mechanical loading of the low back in static holding tasks. <i>Journal of Biomechanics</i> , <b>2019</b> , 83, 97-103	2.9	79
459	Self-perceived gait stability modulates the effect of daily life gait quality on prospective falls in older adults. <i>Gait and Posture</i> , <b>2018</b> , 62, 475-479	2.6	8
458	"Movement of the sacroiliac joint during the active straight leg raise test in patients with long-lasting severe sacroiliac joint pain"-A letter to the editor. <i>Clinical Biomechanics</i> , <b>2018</b> , 52, 100-101	2.2	1
457	An adaptive, real-time cadence algorithm for unconstrained sensor placement. <i>Medical Engineering and Physics</i> , <b>2018</b> , 52, 49-58	2.4	2
456	Coupled motions in human and porcine thoracic and lumbar spines. <i>Journal of Biomechanics</i> , <b>2018</b> , 70, 51-58	2.9	9
455	Weight bearing exercise can elicit similar peak muscle activation as medium-high intensity resistance exercise in elderly women. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 531-541	3.4	8
454	Effects of intervertebral disc lesion and multifidus muscle resection on the structure of the lumbar intervertebral discs and paraspinal musculature of the rat. <i>Journal of Biomechanics</i> , <b>2018</b> , 70, 228-234	2.9	4
453	Development and evaluation of a passive trunk support system for Duchenne muscular dystrophy patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2018</b> , 15, 22	5.3	9
452	Continuous ambulatory hand force monitoring during manual materials handling using instrumented force shoes and an inertial motion capture suit. <i>Journal of Biomechanics</i> , <b>2018</b> , 70, 235-241	2.9	21
451	Estimating the L5S1 flexion/extension moment in symmetrical lifting using a simplified ambulatory measurement system. <i>Journal of Biomechanics</i> , <b>2018</b> , 70, 242-248	2.9	12
450	Virtual reality balance training for elderly: Similar skiing games elicit different challenges in balance training. <i>Gait and Posture</i> , <b>2018</b> , 59, 111-116	2.6	28
449	Factors Contributing to Chronic Ankle Instability: A Systematic Review and Meta-Analysis of Systematic Reviews. <i>Sports Medicine</i> , <b>2018</b> , 48, 189-205	10.6	51
448	Evidence of splinting in low back pain? A systematic review of perturbation studies. <i>European Spine Journal</i> , <b>2018</b> , 27, 40-59	2.7	8
447	Center of Pressure Motion After Calf Vibration Is More Random in Fallers Than Non-fallers: Prospective Study of Older Individuals. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 273	4.6	9
446	Predicting the influence of hip and lumbar flexibility on lifting motions using optimal control. <i>Journal of Biomechanics</i> , <b>2018</b> , 78, 118-125	2.9	3
445	Alterations in trunk bending stiffness following changes in stability and equilibrium demands of a load holding task. <i>Journal of Biomechanics</i> , <b>2018</b> , 77, 163-170	2.9	5
444	Older Adults with Weaker Muscle Strength Stand up from a Sitting Position with More Dynamic Trunk Use. <i>Sensors</i> , <b>2018</b> , 18,	3.8	18
443	Improved Prediction of Falls in Community-Dwelling Older Adults Through Phase-Dependent Entropy of Daily-Life Walking. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 44	5.3	15



442	The effect of walking speed on quality of gait in older adults. <i>Gait and Posture</i> , <b>2018</b> , 65, 112-116	2.6	38
441	Trunk, head and pelvis interactions in healthy children when performing seated daily arm tasks. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 2023-2036	2.3	11
440	The association between age and accelerometry-derived types of habitual daily activity: an observational study over the adult life span in the Netherlands. <i>BMC Public Health</i> , <b>2018</b> , 18, 824	4.1	13
439	Myofascial Loads Can Occur without Fascicle Length Changes. <i>Integrative and Comparative Biology</i> , <b>2018</b> , 58, 251-260	2.8	7
438	Control of human gait stability through foot placement. <i>Journal of the Royal Society Interface</i> , <b>2018</b> , 15,	4.1	126
437	Sensory contributions to stabilization of trunk posture in the sagittal plane. <i>Journal of Biomechanics</i> , <b>2018</b> , 70, 219-227	2.9	12
436	Do Older Adults Select Appropriate Motor Strategies in a Stepping-Down Paradigm?. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1419	4.6	6
435	Performance on a Single-Legged Drop-Jump Landing Test Is Related to Increased Risk of Lateral Ankle Sprains Among Male Elite Soccer Players: A 3-Year Prospective Cohort Study. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 3454-3462	6.8	14
434	Understanding Motivations and Player Experiences of Older Adults in Virtual Reality Training. <i>Games for Health Journal</i> , <b>2018</b> ,	4.2	13
433	Developing a toolkit for the assessment and monitoring of musculoskeletal ageing. <i>Age and Ageing</i> , <b>2018</b> , 47, iv1-iv19	3	20
432	Where to Step? Contributions of Stance Leg Muscle Spindle Afference to Planning of Mediolateral Foot Placement for Balance Control in Young and Old Adults. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1134	4.6	19
431	The effect of a passive trunk exoskeleton on functional performance in healthy individuals. <i>Applied Ergonomics</i> , <b>2018</b> , 72, 94-106	4.2	89
430	Is There a Relationship Between Lumbar Proprioception and Low Back Pain? A Systematic Review With Meta-Analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2017</b> , 98, 120-136.e2	2.8	57
429	Altered mechanical interaction between rat plantar flexors due to changes in intermuscular connectivity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2017</b> , 27, 177-187	4.6	10
428	Kinematic analysis of the drag flick in field hockey. <i>Sports Biomechanics</i> , <b>2017</b> , 16, 45-57	2.2	13
427	Responses to gait perturbations in stroke survivors who prospectively experienced falls or no falls. <i>Journal of Biomechanics</i> , <b>2017</b> , 55, 56-63	2.9	13
426	Longitudinal and transversal displacements between triceps surae muscles during locomotion of the rat. <i>Journal of Experimental Biology</i> , <b>2017</b> , 220, 537-550	3	8
425	Balance Control in Older Adults <b>2017</b> , 237-262		4

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