Eling D De Bruin

List of Publications by Year
in descending order

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183 papers	7,636 citations	50566 48 h-index	78623 77 g-index

199 all docs	199 docs citations	199 times ranked	8785 citing authors

#	Article	IF	Citations
1	Exergaming for people with major neurocognitive disorder: a qualitative study. Disability and Rehabilitation, 2022, 44, 2044-2052.	0.9	12
2	Motor-cognitive intervention concepts can improve gait in chronic stroke, but their effect on cognitive functions is unclear: A systematic review with meta-analyses. Neuroscience and Biobehavioral Reviews, 2022, 132, 818-837.	2.9	16
3	A Pilot Observational Study Assessing Long-Term Changes in Clinical Parameters, Functional Capacity and Fall Risk of Patients With Chronic Renal Disease Scheduled for Hemodialysis. Frontiers in Medicine, 2022, 9, 682198.	1.2	1
4	Gait disorders in CKD patients: muscle wasting or cognitive impairment? A cross-sectional pilot study to investigate gait signatures in Stage 1â€“5 CKD patients. BMC Nephrology, 2022, 23, 72.	0.8	4
5	A Perspective on Implementation of Technology-Driven Exergames for Adults as Telerehabilitation Services. Frontiers in Psychology, 2022, 13, 840863.	1.1	11
6	Passive motion of the lower extremities in sedated and ventilated patients in the ICU â€“ a systematic review of early effects and replicability of Interventions. PLoS ONE, 2022, 17, e0267255.	1.1	8
7	The efficacy of exergaming in people with major neurocognitive disorder residing in long-term care facilities: a pilot randomized controlled trial. Alzheimer's Research and Therapy, 2021, 13, 70.	3.0	28
8	Additional Exergames to Regular Tennis Training Improves Cognitive-Motor Functions of Children but May Temporarily Affect Tennis Technique: A Single-Blind Randomized Controlled Trial. Frontiers in Psychology, 2021, 12, 611382.	1.1	6
9	Design and Evaluation of User-Centered Exergames for Patients With Multiple Sclerosis: Multilevel Usability and Feasibility Studies. JMIR Serious Games, 2021, 9, e22826.	1.7	14
10	Feasibility of a blended therapy approach in the treatment of patients with inflammatory myopathies. Archives of Physiotherapy, 2021, 11, 14.	0.7	2
11	Can Reactivity of Heart Rate Variability Be a Potential Biomarker and Monitoring Tool to Promote Healthy Aging? A Systematic Review With Meta-Analyses. Frontiers in Physiology, 2021, 12, 686129.	1.3	10
12	Signatures of Gait Movement Variability in CKD Patients Scheduled for Hemodialysis Indicate Pathological Performance Before and After Hemodialysis: A Prospective, Observational Study. Frontiers in Medicine, 2021, 8, 702029.	1.2	4
13	An Exergame Solution for Personalized Multicomponent Training in Older Adults. Applied Sciences (Switzerland), 2021, 11, 7986.	1.3	8
14	Personalized Motor-Cognitive Exergame Training in Chronic Stroke Patientsâ€”A Feasibility Study. Frontiers in Aging Neuroscience, 2021, 13, 730801.	1.7	14
15	The VITAAL Stepping Exergame Prototype for Older Adults With Major Neurocognitive Disorder: A Usability Study. Frontiers in Aging Neuroscience, 2021, 13, 701319.	1.7	8
16	Feasibility of Cognitive-Motor Exergames in Geriatric Inpatient Rehabilitation: A Pilot Randomized Controlled Study. Frontiers in Aging Neuroscience, 2021, 13, 739948.	1.7	15
17	Usability Study of a Multicomponent Exergame Training for Older Adults with Mobility Limitations. International Journal of Environmental Research and Public Health, 2021, 18, 13422.	1.2	8
18	Making the Best Out of IT: Design and Development of Exergames for Older Adults With Mild Neurocognitive Disorder â€“ A Methodological Paper. Frontiers in Aging Neuroscience, 2021, 13, 734012.	1.7	10

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19	Patientsâ€™ experiences of unilateral spatial neglect between stroke onset and discharge from inpatient rehabilitation: a thematic analysis of qualitative interviews. Disability and Rehabilitation, 2020, 42, 1578-1587.	0.9	5
20	Validation of a Motor-Cognitive Assessment for a Stepping Exergame in Older Adults: Use of Game-Specific, Internal Data Stream. Games for Health Journal, 2020, 9, 95-107.	1.1	6
21	Effectiveness and sustainability of a motor-cognitive stepping exergame training on stepping performance in older adults: a randomized controlled trial. European Review of Aging and Physical Activity, 2020, 17, 17.	1.3	14
22	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. Gait and Posture, 2020, 82, 254-265.	0.6	75
23	Triggering Postural Movements With Virtual Reality Technology in Healthy Young and Older Adults: A Cross-Sectional Validation Study for Early Dementia Screening. Frontiers in Medicine, 2020, 7, 533675.	1.2	6
24	Combining Stochastic Resonance Vibration With Exergaming for Motor-Cognitive Training in Long-Term Care; A Sham-Control Randomized Controlled Pilot Trial. Frontiers in Medicine, 2020, 7, 507155.	1.2	7
25	Heart Rate Variability Mainly Relates to Cognitive Executive Functions and Improves Through Exergame Training in Older Adults: A Secondary Analysis of a 6-Month Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2020, 12, 197.	1.7	18
26	Assessing Saccadic Eye Movements With Head-Mounted Display Virtual Reality Technology. Frontiers in Psychiatry, 2020, 11, 572938.	1.3	31
27	Prevalence of probable sarcopenia in community-dwelling older Swiss people â€“ a cross-sectional study. BMC Geriatrics, 2020, 20, 307.	1.1	29
28	Corticospinal Control of Human Locomotion as a New Determinant of Age-Related Sarcopenia: An Exploratory Study. Journal of Clinical Medicine, 2020, 9, 720.	1.0	5
29	A pilot study assessing reliability and ageâ€related differences in corticomuscular and intramuscular coherence in ankle dorsiflexors during walking. Physiological Reports, 2020, 8, e14378.	0.7	14
30	Exergaming With Integrated Head Turn Tasks Improves Compensatory Saccade Pattern in Some Patients With Chronic Peripheral Unilateral Vestibular Hypofunction. Frontiers in Neurology, 2020, 11, 601.	1.1	1
31	A usability study of a multicomponent video game-based training for older adults. European Review of Aging and Physical Activity, 2020, 17, 3.	1.3	52
32	â€œHIITâ€•the ExerCube: Comparing the Effectiveness of Functional High-Intensity Interval Training in Conventional vs. Exergame-Based Training. Frontiers in Computer Science, 2020, 2, .	1.7	20
33	Usability and Acceptance of an Interactive Tablet-Based Exercise Application: A Mixed Methods Study. Frontiers in Digital Health, 2020, 2, 578281.	1.5	6
34	Playing Exergames Facilitates Central Drive to the Ankle Dorsiflexors During Gait in Older Adults; a Quasi-Experimental Investigation. Frontiers in Aging Neuroscience, 2019, 11, 263.	1.7	8
35	Comparison of proprioceptive acuity of the cervical spine in healthy adults and adults with chronic non-specific low back pain: A cross-sectional study. PLoS ONE, 2019, 14, e0209818.	1.1	3
36	Exergame-Driven High-Intensity Interval Training in Untrained Community Dwelling Older Adults: A Formative One Group Quasi- Experimental Feasibility Trial. Frontiers in Physiology, 2019, 10, 1019.	1.3	23

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37	Effectiveness of non-pharmaceutical interventions to prevent falls and fall-related fractures in older people living in residential aged care facilities â€“ a systematic review and network meta-analysis protocol. Physical Therapy Reviews, 2019, 24, 291-297.	0.3	4
38	Quadriceps muscle strength is a discriminant predictor of dependence in daily activities in nursing home residents. PLoS ONE, 2019, 14, e0223016.	1.1	23
39	Reliability and validity of the German version of the Myositis Activities Profile (MAP) in patients with inflammatory myopathy. PLoS ONE, 2019, 14, e0217173.	1.1	5
40	Effects of exergame training combined with omega-3 fatty acids on the elderly brain: a randomized double-blind placebo-controlled trial. BMC Geriatrics, 2019, 19, 81.	1.1	13
41	Gait characteristics of CKD patients: a systematic review. BMC Nephrology, 2019, 20, 83.	0.8	19
42	A Pilot Study of an In-Home Multicomponent Exergame Training for Older Adults: Feasibility, Usability and Pre-Post Evaluation. Frontiers in Aging Neuroscience, 2019, 11, 304.	1.7	36
43	Neurophysiological Effects of High Velocity and Low Amplitude Spinal Manipulation in Symptomatic and Asymptomatic Humans. Spine, 2019, 44, E914-E926.	1.0	30
44	Effects of an In-home Multicomponent Exergame Training on Physical Functions, Cognition, and Brain Volume of Older Adults: A Randomized Controlled Trial. Frontiers in Medicine, 2019, 6, 321.	1.2	62
45	Handgrip strength in old and oldest old Swiss adults â€“ a cross-sectional study. BMC Geriatrics, 2018, 18, 266.	1.1	32
46	Trends in robot-assisted and virtual reality-assisted neuromuscular therapy: a systematic review of health-related multiplayer games. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 107.	2.4	49
47	Making More of IT: Enabling Intensive Motor Cognitive Rehabilitation Exercises in Geriatrics Using Information Technology Solutions. BioMed Research International, 2018, 2018, 1-17.	0.9	17
48	Physical risk factors for adolescent neck and mid back pain: a systematic review. Chiropractic & Manual Therapies, 2018, 26, 36.	0.6	20
49	Physical Activity, Nutrition, Cognition, Neurophysiology, and Short-Time Synaptic Plasticity in Healthy Older Adults: A Cross-Sectional Study. Frontiers in Aging Neuroscience, 2018, 10, 242.	1.7	9
50	Assessing Brainâ€“Muscle Connectivity in Human Locomotion through Mobile Brain/Body Imaging: Opportunities, Pitfalls, and Future Directions. Frontiers in Public Health, 2018, 6, 39.	1.3	18
51	A systematic review on quantifiable physical risk factors for non-specific adolescent low back pain. Journal of Pediatric Rehabilitation Medicine, 2018, 11, 79-94.	0.3	22
52	Handgrip force steadiness in young and older adults: a reproducibility study. BMC Musculoskeletal Disorders, 2018, 19, 96.	0.8	10
53	Exergaming in a Moving Virtual World to Train Vestibular Functions and Gait; a Proof-of-Concept-Study With Older Adults. Frontiers in Physiology, 2018, 9, 988.	1.3	20
54	Replicability of Physical Exercise Interventions in Lung Transplant Recipients; A Systematic Review. Frontiers in Physiology, 2018, 9, 946.	1.3	12

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55	Dynamic multi-segmental postural control in patients with chronic non-specific low back pain compared to pain-free controls: A cross-sectional study. PLoS ONE, 2018, 13, e0194512.	1.1	5
56	Manual muscle testing and hand-held dynamometry in people with inflammatory myopathy: An intra- and interrater reliability and validity study. PLoS ONE, 2018, 13, e0194531.	1.1	62
57	Postural sensorimotor training versus sham exercise in physiotherapy of patients with chronic non-specific low back pain: An exploratory randomised controlled trial. PLoS ONE, 2018, 13, e0193358.	1.1	19
58	The effect of active video games on cognitive functioning in clinical and non-clinical populations: A meta-analysis of randomized controlled trials. Neuroscience and Biobehavioral Reviews, 2017, 78, 34-43.	2.9	273
59	Traditional balance and slackline training are associated with taskâ€specific adaptations as assessed with sensorimotor tests. European Journal of Sport Science, 2017, 17, 838-846.	1.4	15
60	A pilot study investigating the association between chronic bilateral vestibulopathy and components of a clinical functional assessment tool. Physiotherapy Theory and Practice, 2017, 33, 454-461.	0.6	12
61	Unilateral lower limb strength assessed using the Nintendo Wii Balance Board: a simple and reliable method. Aging Clinical and Experimental Research, 2017, 29, 1013-1020.	1.4	11
62	Sensor-based foot-mounted wearable system and pressure sensitive gait analysis. Zeitschrift Fur Gerontologie Und Geriatrie, 2017, 50, 488-497.	0.8	5
63	Investigating the Usability and Acute Effects of a Bedside Video Console to Prefrontal Cortical Activity Alterations: A Preclinical Study in Healthy Elderly. Frontiers in Systems Neuroscience, 2017, 11, 85.	1.2	8
64	Older adults must hurry at pedestrian lights! A cross-sectional analysis of preferred and fast walking speed under single- and dual-task conditions. PLoS ONE, 2017, 12, e0182180.	1.1	15
65	Influence of Hemodialysis on the Physical Activity and Motor Capacity of Patients with Chronic Renal Disease, Stage 4-5 (K/DOQI): Study Synopsis. Nephrology @ Point of Care, 2017, 3, napoc.5000211.	0.2	0
66	Patients with chronic peripheral vestibular hypofunction compared to healthy subjects exhibit differences in gaze and gait behaviour when walking on stairs and ramps. PLoS ONE, 2017, 12, e0189037.	1.1	9
67	Exergames Encouraging Exploration of Hemineglected Space in Stroke Patients With Visuospatial Neglect: A Feasibility Study. JMIR Serious Games, 2017, 5, e17.	1.7	18
68	User Perspectives on Exergames Designed to Explore the Hemineglected Space for Stroke Patients With Visuospatial Neglect: Usability Study. JMIR Serious Games, 2017, 5, e18.	1.7	25
69	Reliability and validity of the inertial sensor-based Timed â€œUp and Goâ€•test in individuals affected by stroke. Journal of Rehabilitation Research and Development, 2016, 53, 599-610.	1.6	47
70	Exergame and Balance Training Modulate Prefrontal Brain Activity during Walking and Enhance Executive Function in Older Adults. Frontiers in Aging Neuroscience, 2016, 8, 66.	1.7	185
71	Effects of Physical Exercise Combined with Nutritional Supplements on Aging Brain Related Structures and Functions: A Systematic Review. Frontiers in Aging Neuroscience, 2016, 8, 161.	1.7	26
72	Adaptations of Prefrontal Brain Activity, Executive Functions, and Gait in Healthy Elderly Following Exergame and Balance Training: A Randomized-Controlled Study. Frontiers in Aging Neuroscience, 2016, 8, 278.	1.7	103

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73	Combining Exergame Training with Omega-3 Fatty Acid Supplementation: Protocol for a Randomized Controlled Study Assessing the Effect on Neuronal Structure/Function in the Elderly Brain. Frontiers in Aging Neuroscience, 2016, 8, 283.	1.7	4
74	Differences in Spatial Physical Activity Patterns between Weekdays and Weekends in Primary School Children: A Cross-Sectional Study Using Accelerometry and Global Positioning System. Sports, 2016, 4, 36.	0.7	16
75	Sensory-motor training targeting motor dysfunction and muscle weakness in long-term care elderly combined with motivational strategies: a single blind randomized controlled study. European Review of Aging and Physical Activity, 2016, 13, 4.	1.3	19
76	Exergames for Patients in Acute Care Settings: Systematic Review of the Reporting of Methodological Quality, FITT Components, and Program Intervention Details. Games for Health Journal, 2016, 5, 224-235.	1.1	15
77	FRI0627-HPRâ€…In Patients with Inflammatory Myopathy Quantitative Muscle Testing Has A Higher Reliability than Manual Muscle Testing. Annals of the Rheumatic Diseases, 2016, 75, 1281.1-1281.	0.5	0
78	The ZÃ¼rich Maxi Mental Status Inventory (ZÃ¼MAX): Test-Retest Reliability and Discriminant Validity in Stroke Survivors. Cognitive and Behavioral Neurology, 2016, 29, 78-90.	0.5	3
79	Spatial physical activity patterns among primary school children living in neighbourhoods of varying socioeconomic status: a cross-sectional study using accelerometry and Global Positioning System. BMC Public Health, 2016, 16, 282.	1.2	28
80	Isometric hand grip strength measured by the Nintendo Wii Balance Board â€“ a reliable new method. BMC Musculoskeletal Disorders, 2016, 17, 56.	0.8	18
81	Concurrent validity and test-retest reliability of the Virtual Peg Insertion Test to quantify upper limb function in patients with chronic stroke. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 8.	2.4	23
82	Effects of postural specific sensorimotor training in patients with chronic low back pain: study protocol for randomised controlled trial. Trials, 2015, 16, 571.	0.7	10
83	Preliminary inconclusive results of a randomised double blinded cross-over pilot trial in long-term-care dwelling elderly assessing the feasibility of stochastic resonance whole-body vibration. European Review of Aging and Physical Activity, 2015, 12, 5.	1.3	8
84	Discriminant validity and test re-test reproducibility of a gait assessment in patients with vestibular dysfunction. BMC Ear, Nose and Throat Disorders, 2015, 15, 6.	2.6	19
85	Efficacy of Feedback-Controlled Robotics-Assisted Treadmill Exercise to Improve Cardiovascular Fitness Early After Stroke. Journal of Neurologic Physical Therapy, 2015, 39, 156-165.	0.7	22
86	Localization of Physical Activity in Primary School Children Using Accelerometry and Global Positioning System. PLoS ONE, 2015, 10, e0142223.	1.1	21
87	Does multicomponent physical exercise with simultaneous cognitive training boost cognitive performance in older adults? A 6-month randomized controlled trial with a 1-year follow-up. Clinical Interventions in Aging, 2015, 10, 1335.	1.3	133
88	Multicomponent physical exercise with simultaneous cognitive training to enhance dual-task walking of older adults: a secondary analysis of a 6-month randomized controlled trial with 1-year follow-up. Clinical Interventions in Aging, 2015, 10, 1711.	1.3	109
89	Effects of whole-body vibration on proxies of muscle strength in old adults: a systematic review and meta-analysis on the role of physical capacity level. European Review of Aging and Physical Activity, 2015, 12, 12.	1.3	49
90	Feasibility and effects of applying stochastic resonance whole-body vibration on untrained elderly: a randomized crossover pilot study. BMC Geriatrics, 2015, 15, 25.	1.1	16

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91	â€˜Sportmotorische Bestandesaufnahmeâ€™: Criterionâ€•vs. normâ€based reference values of fitness tests for Swiss first grade children. European Journal of Sport Science, 2015, 15, 134-142.	1.4	1
92	The relevance of applying exercise training principles when designing therapeutic interventions for patients with inflammatory myopathies: a systematic review. Rheumatology International, 2015, 35, 1641-1654.	1.5	16
93	Virtual reality rehabilitation as a treatment approach for older women with mixed urinary incontinence: a feasibility study. Neurourology and Urodynamics, 2015, 34, 236-243.	0.8	41
94	Strength-balance supplemented with computerized cognitive training to improve dual task gait and divided attention in older adults: a multicenter randomized-controlled trial. BMC Geriatrics, 2014, 14, 134.	1.1	86
95	Feedback-controlled robotics-assisted treadmill exercise to assess and influence aerobic capacity early after stroke: a proof-of-concept study. Disability and Rehabilitation: Assistive Technology, 2014, 9, 271-278.	1.3	14
96	Effects of proprioceptive exercises on pain and function in chronic neck- and low back pain rehabilitation: a systematic literature review. BMC Musculoskeletal Disorders, 2014, 15, 382.	0.8	60
97	Reliability and validity of the extended timed-get-up-and-go test in patients with bilateral vestibular loss. NeuroRehabilitation, 2014, 34, 799-807.	0.5	13
98	The effect of interactive cognitive-motor training in reducing fall risk in older people: a systematic review. BMC Geriatrics, 2014, 14, 107.	1.1	128
99	Cardiopulmonary exercise testing early after stroke using feedback-controlled robotics-assisted treadmill exercise: test-retest reliability and repeatability. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 145.	2.4	9
100	Design considerations for a theory-driven exergame-based rehabilitation program to improve walking of persons with stroke. European Review of Aging and Physical Activity, 2014, 11, 119-129.	1.3	52
101	Usability and Effects of an Exergame-Based Balance Training Program. Games for Health Journal, 2014, 3, 106-114.	1.1	71
102	Recommendations for Standardizing Validation Procedures Assessing Physical Activity of Older Persons by Monitoring Body Postures and Movements. Sensors, 2014, 14, 1267-1277.	2.1	50
103	Application of principles of exercise training in sub-acute and chronic stroke survivors: a systematic review. BMC Neurology, 2014, 14, 167.	0.8	83
104	The Effects of Combining Videogame Dancing and Pelvic Floor Training to Improve Dual-Task Gait and Cognition in Women with Mixed-Urinary Incontinence. Games for Health Journal, 2014, 3, 172-178.	1.1	29
105	Information Technology for Active Ageing: A Review of Theory and Practice. Foundations and Trends in Human-Computer Interaction, 2014, 7, 351-444.	1.8	18
106	Rehabilitation at Home: A Comprehensive Technological Approach. Intelligent Systems Reference Library, 2014, , 289-319.	1.0	8
107	Tablet-Based Strength-Balance Training to Motivate and Improve Adherence to Exercise in Independently Living Older People: Part 2 of a Phase II Preclinical Exploratory Trial. Journal of Medical Internet Research, 2014, 16, e159.	2.1	89
108	Motivating and assisting physical exercise in independently living older adults: A pilot study. International Journal of Medical Informatics, 2013, 82, 325-334.	1.6	57

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109	Cardiovascular rehabilitation soon after stroke using feedback-controlled robotics-assisted treadmill exercise: study protocol of a randomised controlled pilot trial. Trials, 2013, 14, 304.	0.7	5
110	The Role of Podiatry in the Prevention of Falls in Older People. Journal of the American Podiatric Medical Association, 2013, 103, 452-456.	0.2	17
111	Assessment of the testâ€“retest reliability of a foot placement accuracy protocol in assisted-living older adults. Gait and Posture, 2013, 38, 784-789.	0.6	1
112	The maximal width of the base of support (BSW): Clinical applicability and reliability of a preferred-standing test for measuring the risk of falling. Archives of Gerontology and Geriatrics, 2013, 57, 204-210.	1.4	8
113	Computational Intelligence and Game Design for Effective At-Home Stroke Rehabilitation. Games for Health Journal, 2013, 2, 81-88.	1.1	97
114	A randomized controlled pilot study assessing the feasibility of combined motorâ€“cognitive training and its effect on gait characteristics in the elderly. Clinical Rehabilitation, 2013, 27, 215-225.	1.0	35
115	Exercise â€” Exploring Mutuality and Discordance(s) Between Sport and Public Health. Sports, 2013, 1, 10-12.	0.7	0
116	Evaluation of exercise capacity after severe stroke using robotics-assisted treadmill exercise: A proof-of-concept study. Technology and Health Care, 2013, 21, 157-166.	0.5	12
117	Should Rehabilitation Specialists Use External Focus Instructions When Motor Learning Is Fostered? A Systematic Review. Sports, 2013, 1, 37-54.	0.7	6
118	Tablet-Based Strength-Balance Training to Motivate and Improve Adherence to Exercise in Independently Living Older People: A Phase II Preclinical Exploratory Trial. Journal of Medical Internet Research, 2013, 15, e159.	2.1	113
119	Validity and Reliability of Accelerometer-Based Gait Assessment in Patients with Diabetes on Challenging Surfaces. Journal of Aging Research, 2012, 2012, 1-9.	0.4	29
120	Towards standardised evaluation tools. Age and Ageing, 2012, 41, 704-705.	0.7	1
121	Forced-use therapy for children with cerebral palsy in the community setting: A single-blinded randomized controlled pilot trial. Journal of Pediatric Rehabilitation Medicine, 2012, 5, 65-74.	0.3	12
122	Answer to the Letter to the Editor of J. Steele et al. concerning manuscript â€œIs a positive clinical outcome after exercise therapy for chronic non-specific low back pain contingent upon a corresponding improvement in targeted aspects(s) of performance? A systematic reviewâ€• Eur Spine J 21(4):575â€“598, by F. Steiger, B. Wirth, E.D. de Bruin, A.F. Mannion (2012). European Spine Journal, 2012, 21, 1888-1889.	1.0	2
123	A cognitive-motor intervention using a dance video game to enhance foot placement accuracy and gait under dual task conditions in older adults: a randomized controlled trial. BMC Geriatrics, 2012, 12, 74.	1.1	137
124	Effects of cardiovascular exercise early after stroke: systematic review and meta-analysis. BMC Neurology, 2012, 12, 45.	0.8	133
125	Translation and validation of the vertigo symptom scale into German: A cultural adaption to a wider German-speaking population. BMC Ear, Nose and Throat Disorders, 2012, 12, 7.	2.6	14
126	The effect of a cognitive-motor intervention on voluntary step execution under single and dual task conditions in older adults: a randomized controlled pilot study. Clinical Interventions in Aging, 2012, 7, 175.	1.3	65

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127	Skilling up for training: a feasibility study investigating acute effects of stochastic resonance whole-body vibration on postural control of older adults. Ageing Research, 2012, 3, 5.	0.8	12
128	Is a positive clinical outcome after exercise therapy for chronic non-specific low back pain contingent upon a corresponding improvement in the targeted aspect(s) of performance? A systematic review. European Spine Journal, 2012, 21, 575-598.	1.0	136
129	Feasibility of Strength-Balance Training Extended with Computer Game Dancing in Older People; Does it Affect Dual Task Costs of Walking?. Journal of Novel Physiotherapies, 2011, 01, .	0.1	37
130	Cognitive and cognitive-motor interventions affecting physical functioning: A systematic review. BMC Geriatrics, 2011, 11, 29.	1.1	147
131	Effects of whole-body vibration on postural control in elderly: a systematic review and meta-analysis. BMC Geriatrics, 2011, 11, 72.	1.1	74
132	Pre-Surgical Sensorimotor Training for Patients Undergoing Total Hip Replacement: A Randomised Controlled Trial. International Journal of Sports Medicine, 2011, 32, 725-732.	0.8	23
133	Effects of an outpatient physical exercise program on hematopoietic stem-cell transplantation recipients: a randomized clinical trial. Bone Marrow Transplantation, 2011, 46, 1245-1255.	1.3	105
134	The gait and balance of patients with diabetes can be improved: a randomised controlled trial. Diabetologia, 2010, 53, 458-466.	2.9	236
135	Use of virtual reality technique for the training of motor control in the elderly. Zeitschrift Fur Gerontologie Und Geriatrie, 2010, 43, 229-234.	0.8	165
136	Physical activity interventions to improve daily walking activity in cancer survivors. BMC Cancer, 2010, 10, 406.	1.1	32
137	Exploratory factor analysis of the Dizziness Handicap Inventory (German version). BMC Ear, Nose and Throat Disorders, 2010, 10, 3.	2.6	46
138	Improvement in low back movement control, decreased pain and disability, resulting from specific exercise intervention. BMC Sports Science, Medicine and Rehabilitation, 2010, 2, 11.	0.7	27
139	Constraint-induced movement therapy for children with obstetric brachial plexus palsy: two single-case series. International Journal of Rehabilitation Research, 2010, 33, 187-192.	0.7	28
140	Walking behaviour of healthy elderly: attention should be paid. Behavioral and Brain Functions, 2010, 6, 59.	1.4	55
141	Falls prediction in elderly people: A 1-year prospective study. Gait and Posture, 2010, 31, 317-321.	0.6	116
142	An exercise intervention to improve diabetic patientsâ€™ gait in a real-life environment. Gait and Posture, 2010, 32, 185-190.	0.6	49
143	The effect of a training program combined with augmented afferent feedback from the feet using shoe insoles on gait performance and muscle power in older adults: a randomised controlled trial. Disability and Rehabilitation, 2010, 32, 755-764.	0.9	28
144	Wearable Systems for Monitoring Mobility-Related Activities in Chronic Disease: A Systematic Review. Sensors, 2010, 10, 9026-9052.	2.1	101

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145	The relationship between ambulatory step activity, self-reported physical functioning and standardised timed walking in patients with haematological malignancies. Disability and Rehabilitation, 2010, 32, 1819-1826.	0.9	5
146	Dual Tasking Under Compromised Visual and Somatosensory Input in Elderly Fallers and Non-Fallers. The Open Rehabilitation Journal, 2010, 3, 169-176.	0.8	8
147	Reproducibility of an Isokinetic Strength-Testing Protocol of the Knee and Ankle in Older Adults. Gerontology, 2009, 55, 259-268.	1.4	152
148	Compromising Postural Balance in the Elderly. Gerontology, 2009, 55, 353-360.	1.4	19
149	Hand-held dynamometry in patients with haematological malignancies: Measurement error in the clinical assessment of knee extension strength. BMC Musculoskeletal Disorders, 2009, 10, 31.	0.8	54
150	A randomised controlled trial investigating motor skill training as a function of attentional focus in old age. BMC Geriatrics, 2009, 9, 15.	1.1	36
151	Clinical factors associated with gait alterations in diabetic patients. Diabetic Medicine, 2009, 26, 1003-1009.	1.2	41
152	Concurrent validity of a trunk tri-axial accelerometer system for gait analysis in older adults. Gait and Posture, 2009, 29, 444-448.	0.6	148
153	Gait alterations of diabetic patients while walking on different surfaces. Gait and Posture, 2009, 29, 488-493.	0.6	115
154	Reproducibility of spatio-temporal gait parameters under different conditions in older adults using a trunk tri-axial accelerometer system. Gait and Posture, 2009, 30, 351-355.	0.6	73
155	Reliability of Ambulatory Walking Activity in Patients With Hematologic Malignancies. Archives of Physical Medicine and Rehabilitation, 2009, 90, 58-65.	0.5	12
156	Translation, Cross-Cultural Adaptation and Reliability of the German Version of the Dizziness Handicap Inventory. Otology and Neurotology, 2009, 30, 359-367.	0.7	87
157	The effect of a foot gymnastic exercise programme on gait performance in older adults: A randomised controlled trial. Disability and Rehabilitation, 2009, 31, 2101-2110.	0.9	28
158	The step lengthâ€“frequency relationship in physically active community-dwelling older women. European Journal of Applied Physiology, 2008, 104, 427-434.	1.2	41
159	Gait characteristics of diabetic patients: a systematic review. Diabetes/Metabolism Research and Reviews, 2008, 24, 173-191.	1.7	138
160	Wearable systems for monitoring mobility-related activities in older people: a systematic review. Clinical Rehabilitation, 2008, 22, 878-895.	1.0	147
161	Post-traumatic glenohumeral cartilage lesions: a systematic review. BMC Musculoskeletal Disorders, 2008, 9, 107.	0.8	40
162	The reliability of postural balance measures in single and dual tasking in elderly fallers and non-fallers. BMC Musculoskeletal Disorders, 2008, 9, 162.	0.8	91

#	Article	IF	Citations
163	Movement control tests of the low back; evaluation of the difference between patients with low back pain and healthy controls. BMC Musculoskeletal Disorders, 2008, 9, 170.	0.8	136
164	Reliability of diabetic patientsâ€™ gait parameters in a challenging environment. Gait and Posture, 2008, 28, 680-686.	0.6	22
165	Effects of exercise and nutrition on postural balance and risk of falling in elderly people with decreased bone mineral density: randomized controlled trial pilot study. Clinical Rehabilitation, 2007, 21, 523-534.	1.0	102
166	Effect of additional functional exercises on balance in elderly people. Clinical Rehabilitation, 2007, 21, 112-121.	1.0	39
167	Reliability of movement control tests in the lumbar spine. BMC Musculoskeletal Disorders, 2007, 8, 90.	0.8	134
168	Quantification of everyday motor function in a geriatric population. Journal of Rehabilitation Research and Development, 2007, 44, 417.	1.6	64
169	Treatment of Knee Osteoarthritis with Oral Chondroitin Sulfate. Advances in Pharmacology, 2006, 53, 523-539.	1.2	14
170	Chondroitin Sulfate as a Structureâ€Modifying Agent. Advances in Pharmacology, 2006, 53, 475-488.	1.2	8
171	Long-term changes in the tibia and radius bone mineral density following spinal cord injury. Spinal Cord, 2005, 43, 96-101.	0.9	61
172	A validity study of phase velocity measurements in spinal cord injury. Journal of Rehabilitation Research and Development, 2005, 42, 55.	1.6	7
173	Effect of electrical stimulation-induced cycling on bone mineral density in spinal cord-injured patients. European Journal of Clinical Investigation, 2003, 33, 412-419.	1.7	90
174	Effect of manual lymph drainage after hindfoot operations. Physiotherapy Research International, 2003, 8, 101-110.	0.7	17
175	The effect of a foot gymnastic exercise programme on gait performance in older adults: A randomised controlled trial. Disability and Rehabilitation, 2003, 25, 2101-2110.	0.9	21
176	Bone mineral density in upper and lower extremities during 12 months after spinal cord injury measured by peripheral quantitative computed tomography. Spinal Cord, 2000, 38, 26-32.	0.9	204
177	Longitudinal changes in bone in men with spinal cord injury. Clinical Rehabilitation, 2000, 14, 145-152.	1.0	60
178	Estimation of geometric properties of cortical bone in spinal cord injury. Archives of Physical Medicine and Rehabilitation, 2000, 81, 150-156.	0.5	28
179	Estimation of geometric properties of cortical bone in spinal cord injury. Archives of Physical Medicine and Rehabilitation, 2000, 81, 150-156.	0.5	24
180	Changes of tibia bone properties after spinal cord injury: Effects of early intervention. Archives of Physical Medicine and Rehabilitation, 1999, 80, 214-220.	0.5	103

#	Article	IF	Citations
181	Reliability of Phase-Velocity Measurements of Tibial Bone. Physical Therapy, 1998, 78, 1166-1174.	1.1	24
182	Agreement, Reliability, and Concurrent Validity of an Outdoor, Wearable-Based Walk Ratio Assessment in Healthy Adults and Chronic Stroke Survivors. Frontiers in Physiology, 0, 13, .	1.3	5
183	Impact of Motor-Cognitive Interventions on Selected Gait and Balance Outcomes in Older Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Frontiers in Psychology, 0, 13, .	1.1	5