Eling D De Bruin

List of Publications by Year
in descending order

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183 papers	7,636 citations	44069 48 h-index	69250 77 g-index
199 all docs	199 docs citations	199 times ranked	8201 citing authors

#	Article	IF	Citations
1	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.	6.1	273
2	The gait and balance of patients with diabetes can be improved: a randomised controlled trial. Diabetologia, 2010, 53, 458-466.	6.3	236
3	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.	1.9	204
4	Exergame and Balance Training Modulate Prefrontal Brain Activity during Walking and Enhance Executive Function in Older Adults. Frontiers in Aging Neuroscience, 2016, 8, 66.	3.4	185
5	Use of virtual reality technique for the training of motor control in the elderly. Zeitschrift Fur Gerontologie Und Geriatrie, 2010, 43, 229-234.	1.8	165
6	Reproducibility of an Isokinetic Strength-Testing Protocol of the Knee and Ankle in Older Adults. Gerontology, 2009, 55, 259-268.	2.8	152
7	Concurrent validity of a trunk tri-axial accelerometer system for gait analysis in older adults. Gait and Posture, 2009, 29, 444-448.	1.4	148
8	Wearable systems for monitoring mobility-related activities in older people: a systematic review. Clinical Rehabilitation, 2008, 22, 878-895.	2.2	147
9	Cognitive and cognitive-motor interventions affecting physical functioning: A systematic review. BMC Geriatrics, 2011, 11, 29.	2.7	147
10	Gait characteristics of diabetic patients: a systematic review. Diabetes/Metabolism Research and Reviews, 2008, 24, 173-191.	4.0	138
11	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.	2.7	137
12	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.	1.9	136
13	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.	2.2	136
14	Reliability of movement control tests in the lumbar spine. BMC Musculoskeletal Disorders, 2007, 8, 90.	1.9	134
15	Effects of cardiovascular exercise early after stroke: systematic review and meta-analysis. BMC Neurology, 2012, 12, 45.	1.8	133
16	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.	2.9	133
17	The effect of interactive cognitive-motor training in reducing fall risk in older people: a systematic review. BMC Geriatrics, 2014, 14, 107.	2.7	128
18	Falls prediction in elderly people: A 1-year prospective study. Gait and Posture, 2010, 31, 317-321.	1.4	116

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19	Gait alterations of diabetic patients while walking on different surfaces. Gait and Posture, 2009, 29, 488-493.	1.4	115
20	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.	4.3	113
21	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.	2.9	109
22	Effects of an outpatient physical exercise program on hematopoietic stem-cell transplantation recipients: a randomized clinical trial. Bone Marrow Transplantation, 2011, 46, 1245-1255.	2.4	105
23	Changes of tibia bone properties after spinal cord injury: Effects of early intervention. Archives of Physical Medicine and Rehabilitation, 1999, 80, 214-220.	0.9	103
24	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.	3.4	103
25	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.	2.2	102
26	Wearable Systems for Monitoring Mobility-Related Activities in Chronic Disease: A Systematic Review. Sensors, 2010, 10, 9026-9052.	3.8	101
27	Computational Intelligence and Game Design for Effective At-Home Stroke Rehabilitation. Games for Health Journal, 2013, 2, 81-88.	2.0	97
28	The reliability of postural balance measures in single and dual tasking in elderly fallers and non-fallers. BMC Musculoskeletal Disorders, 2008, 9, 162.	1.9	91
29	Effect of electrical stimulation-induced cycling on bone mineral density in spinal cord-injured patients. European Journal of Clinical Investigation, 2003, 33, 412-419.	3.4	90
30	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.	4.3	89
31	Translation, Cross-Cultural Adaptation and Reliability of the German Version of the Dizziness Handicap Inventory. Otology and Neurotology, 2009, 30, 359-367.	1.3	87
32	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.	2.7	86
33	Application of principles of exercise training in sub-acute and chronic stroke survivors: a systematic review. BMC Neurology, 2014, 14, 167.	1.8	83
34	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. Gait and Posture, 2020, 82, 254-265.	1.4	75
35	Effects of whole-body vibration on postural control in elderly: a systematic review and meta-analysis. BMC Geriatrics, 2011, 11, 72.	2.7	74
36	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.	1.4	73

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37	Usability and Effects of an Exergame-Based Balance Training Program. Games for Health Journal, 2014, 3, 106-114.	2.0	71
38	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.	2.9	65
39	Quantification of everyday motor function in a geriatric population. Journal of Rehabilitation Research and Development, 2007, 44, 417.	1.6	64
40	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.	2.5	62
41	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.	2.6	62
42	Long-term changes in the tibia and radius bone mineral density following spinal cord injury. Spinal Cord, 2005, 43, 96-101.	1.9	61
43	Longitudinal changes in bone in men with spinal cord injury. Clinical Rehabilitation, 2000, 14, 145-152.	2.2	60
44	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.	1.9	60
45	Motivating and assisting physical exercise in independently living older adults: A pilot study. International Journal of Medical Informatics, 2013, 82, 325-334.	3.3	57
46	Walking behaviour of healthy elderly: attention should be paid. Behavioral and Brain Functions, 2010, 6, 59.	3.3	55
47	Hand-held dynamometry in patients with haematological malignancies: Measurement error in the clinical assessment of knee extension strength. BMC Musculoskeletal Disorders, 2009, 10, 31.	1.9	54
48	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.	2.9	52
49	A usability study of a multicomponent video game-based training for older adults. European Review of Aging and Physical Activity, 2020, 17, 3.	2.9	52
50	Recommendations for Standardizing Validation Procedures Assessing Physical Activity of Older Persons by Monitoring Body Postures and Movements. Sensors, 2014, 14, 1267-1277.	3.8	50
51	An exercise intervention to improve diabetic patientsâ€™ gait in a real-life environment. Gait and Posture, 2010, 32, 185-190.	1.4	49
52	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.	2.9	49
53	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.	4.6	49
54	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

#	Article	IF	Citations
55	Exploratory factor analysis of the Dizziness Handicap Inventory (German version). BMC Ear, Nose and Throat Disorders, 2010, 10, 3.	2.6	46
56	The step lengthâ€“frequency relationship in physically active community-dwelling older women. European Journal of Applied Physiology, 2008, 104, 427-434.	2.5	41
57	Clinical factors associated with gait alterations in diabetic patients. Diabetic Medicine, 2009, 26, 1003-1009.	2.3	41
58	Virtual reality rehabilitation as a treatment approach for older women with mixed urinary incontinence: a feasibility study. Neurourology and Urodynamics, 2015, 34, 236-243.	1.5	41
59	Post-traumatic glenohumeral cartilage lesions: a systematic review. BMC Musculoskeletal Disorders, 2008, 9, 107.	1.9	40
60	Effect of additional functional exercises on balance in elderly people. Clinical Rehabilitation, 2007, 21, 112-121.	2.2	39
61	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
62	A randomised controlled trial investigating motor skill training as a function of attentional focus in old age. BMC Geriatrics, 2009, 9, 15.	2.7	36
63	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.	3.4	36
64	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.	2.2	35
65	Physical activity interventions to improve daily walking activity in cancer survivors. BMC Cancer, 2010, 10, 406.	2.6	32
66	Handgrip strength in old and oldest old Swiss adults â€“ a cross-sectional study. BMC Geriatrics, 2018, 18, 266.	2.7	32
67	Assessing Saccadic Eye Movements With Head-Mounted Display Virtual Reality Technology. Frontiers in Psychiatry, 2020, 11, 572938.	2.6	31
68	Neurophysiological Effects of High Velocity and Low Amplitude Spinal Manipulation in Symptomatic and Asymptomatic Humans. Spine, 2019, 44, E914-E926.	2.0	30
69	Validity and Reliability of Accelerometer-Based Gait Assessment in Patients with Diabetes on Challenging Surfaces. Journal of Aging Research, 2012, 2012, 1-9.	0.9	29
70	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.	2.0	29
71	Prevalence of probable sarcopenia in community-dwelling older Swiss people â€“ a cross-sectional study. BMC Geriatrics, 2020, 20, 307.	2.7	29
72	Estimation of geometric properties of cortical bone in spinal cord injury. Archives of Physical Medicine and Rehabilitation, 2000, 81, 150-156.	0.9	28

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73	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.	1.8	28
74	Constraint-induced movement therapy for children with obstetric brachial plexus palsy: two single-case series. International Journal of Rehabilitation Research, 2010, 33, 187-192.	1.3	28
75	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.	1.8	28
76	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.	2.9	28
77	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.	6.2	28
78	Improvement in low back movement control, decreased pain and disability, resulting from specific exercise intervention. BMC Sports Science, Medicine and Rehabilitation, 2010, 2, 11.	1.7	27
79	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.	3.4	26
80	User Perspectives on Exergames Designed to Explore the Hemineglected Space for Stroke Patients With Visuospatial Neglect: Usability Study. JMIR Serious Games, 2017, 5, e18.	3.1	25
81	Reliability of Phase-Velocity Measurements of Tibial Bone. Physical Therapy, 1998, 78, 1166-1174.	2.4	24
82	Estimation of geometric properties of cortical bone in spinal cord injury. Archives of Physical Medicine and Rehabilitation, 2000, 81, 150-156.	0.9	24
83	Pre-Surgical Sensorimotor Training for Patients Undergoing Total Hip Replacement: A Randomised Controlled Trial. International Journal of Sports Medicine, 2011, 32, 725-732.	1.7	23
84	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.	4.6	23
85	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.	2.8	23
86	Quadriceps muscle strength is a discriminant predictor of dependence in daily activities in nursing home residents. PLoS ONE, 2019, 14, e0223016.	2.5	23
87	Reliability of diabetic patientsâ€™ gait parameters in a challenging environment. Gait and Posture, 2008, 28, 680-686.	1.4	22
88	Efficacy of Feedback-Controlled Robotics-Assisted Treadmill Exercise to Improve Cardiovascular Fitness Early After Stroke. Journal of Neurologic Physical Therapy, 2015, 39, 156-165.	1.4	22
89	A systematic review on quantifiable physical risk factors for non-specific adolescent low back pain. Journal of Pediatric Rehabilitation Medicine, 2018, 11, 79-94.	0.5	22
90	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.	1.8	21

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91	Localization of Physical Activity in Primary School Children Using Accelerometry and Global Positioning System. PLoS ONE, 2015, 10, e0142223.	2.5	21
92	Physical risk factors for adolescent neck and mid back pain: a systematic review. Chiropractic & Manual Therapies, 2018, 26, 36.	1.5	20
93	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.	2.8	20
94	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, .	2.8	20
95	Compromising Postural Balance in the Elderly. Gerontology, 2009, 55, 353-360.	2.8	19
96	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
97	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.	2.9	19
98	Gait characteristics of CKD patients: a systematic review. BMC Nephrology, 2019, 20, 83.	1.8	19
99	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.	2.5	19
100	Information Technology for Active Ageing: A Review of Theory and Practice. Foundations and Trends in Human-Computer Interaction, 2014, 7, 351-444.	2.9	18
101	Isometric hand grip strength measured by the Nintendo Wii Balance Board â€“ a reliable new method. BMC Musculoskeletal Disorders, 2016, 17, 56.	1.9	18
102	Assessing Brainâ€“Muscle Connectivity in Human Locomotion through Mobile Brain/Body Imaging: Opportunities, Pitfalls, and Future Directions. Frontiers in Public Health, 2018, 6, 39.	2.7	18
103	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.	3.4	18
104	Exergames Encouraging Exploration of Hemineglected Space in Stroke Patients With Visuospatial Neglect: A Feasibility Study. JMIR Serious Games, 2017, 5, e17.	3.1	18
105	Effect of manual lymph drainage after hindfoot operations. Physiotherapy Research International, 2003, 8, 101-110.	1.5	17
106	The Role of Podiatry in the Prevention of Falls in Older People. Journal of the American Podiatric Medical Association, 2013, 103, 452-456.	0.3	17
107	Making More of IT: Enabling Intensive Motor Cognitive Rehabilitation Exercises in Geriatrics Using Information Technology Solutions. BioMed Research International, 2018, 2018, 1-17.	1.9	17
108	Feasibility and effects of applying stochastic resonance whole-body vibration on untrained elderly: a randomized crossover pilot study. BMC Geriatrics, 2015, 15, 25.	2.7	16

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109	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.	3.0	16
110	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.	1.7	16
111	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.	6.1	16
112	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.	2.0	15
113	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.	2.7	15
114	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.	2.5	15
115	Feasibility of Cognitive-Motor Exergames in Geriatric Inpatient Rehabilitation: A Pilot Randomized Controlled Study. Frontiers in Aging Neuroscience, 2021, 13, 739948.	3.4	15
116	Treatment of Knee Osteoarthritis with Oral Chondroitin Sulfate. Advances in Pharmacology, 2006, 53, 523-539.	2.0	14
117	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
118	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.	2.2	14
119	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.	2.9	14
120	A pilot study assessing reliability and ageâ€related differences in corticomuscular and intramuscular coherence in ankle dorsiflexors during walking. Physiological Reports, 2020, 8, e14378.	1.7	14
121	Design and Evaluation of User-Centered Exergames for Patients With Multiple Sclerosis: Multilevel Usability and Feasibility Studies. JMIR Serious Games, 2021, 9, e22826.	3.1	14
122	Personalized Motor-Cognitive Exergame Training in Chronic Stroke Patientsâ€"A Feasibility Study. Frontiers in Aging Neuroscience, 2021, 13, 730801.	3.4	14
123	Reliability and validity of the extended timed-get-up-and-go test in patients with bilateral vestibular loss. NeuroRehabilitation, 2014, 34, 799-807.	1.3	13
124	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.	2.7	13
125	Reliability of Ambulatory Walking Activity in Patients With Hematologic Malignancies. Archives of Physical Medicine and Rehabilitation, 2009, 90, 58-65.	0.9	12
126	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.	0.5	12

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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	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.	1.2	12
129	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.	1.3	12
130	Replicability of Physical Exercise Interventions in Lung Transplant Recipients; A Systematic Review. Frontiers in Physiology, 2018, 9, 946.	2.8	12
131	Exergaming for people with major neurocognitive disorder: a qualitative study. Disability and Rehabilitation, 2022, 44, 2044-2052.	1.8	12
132	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.	2.9	11
133	A Perspective on Implementation of Technology-Driven Exergames for Adults as Telerehabilitation Services. Frontiers in Psychology, 2022, 13, 840863.	2.1	11
134	Effects of postural specific sensorimotor training in patients with chronic low back pain: study protocol for randomised controlled trial. Trials, 2015, 16, 571.	1.6	10
135	Handgrip force steadiness in young and older adults: a reproducibility study. BMC Musculoskeletal Disorders, 2018, 19, 96.	1.9	10
136	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.	2.8	10
137	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.	3.4	10
138	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.	4.6	9
139	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.	3.4	9
140	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.	2.5	9
141	Chondroitin Sulfate as a Structureâ€Modifying Agent. Advances in Pharmacology, 2006, 53, 475-488.	2.0	8
142	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.	3.0	8
143	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.	2.9	8
144	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.	2.5	8

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145	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.	3.4	8
146	An Exergame Solution for Personalized Multicomponent Training in Older Adults. Applied Sciences (Switzerland), 2021, 11, 7986.	2.5	8
147	Rehabilitation at Home: A Comprehensive Technological Approach. Intelligent Systems Reference Library, 2014, , 289-319.	1.2	8
148	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
149	The VITAAL Stepping Exergame Prototype for Older Adults With Major Neurocognitive Disorder: A Usability Study. Frontiers in Aging Neuroscience, 2021, 13, 701319.	3.4	8
150	Usability Study of a Multicomponent Exergame Training for Older Adults with Mobility Limitations. International Journal of Environmental Research and Public Health, 2021, 18, 13422.	2.6	8
151	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.	2.5	8
152	A validity study of phase velocity measurements in spinal cord injury. Journal of Rehabilitation Research and Development, 2005, 42, 55.	1.6	7
153	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.	2.6	7
154	Should Rehabilitation Specialists Use External Focus Instructions When Motor Learning Is Fostered? A Systematic Review. Sports, 2013, 1, 37-54.	1.7	6
155	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.	2.0	6
156	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.	2.6	6
157	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.	2.1	6
158	Usability and Acceptance of an Interactive Tablet-Based Exercise Application: A Mixed Methods Study. Frontiers in Digital Health, 2020, 2, 578281.	2.8	6
159	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.	1.8	5
160	Cardiovascular rehabilitation soon after stroke using feedback-controlled robotics-assisted treadmill exercise: study protocol of a randomised controlled pilot trial. Trials, 2013, 14, 304.	1.6	5
161	Sensor-based foot-mounted wearable system and pressure sensitive gait analysis. Zeitschrift Fur Gerontologie Und Geriatrie, 2017, 50, 488-497.	1.8	5
162	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.	2.5	5

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163	Reliability and validity of the German version of the Myositis Activities Profile (MAP) in patients with inflammatory myopathy. PLoS ONE, 2019, 14, e0217173.	2.5	5
164	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.	1.8	5
165	Corticospinal Control of Human Locomotion as a New Determinant of Age-Related Sarcopenia: An Exploratory Study. Journal of Clinical Medicine, 2020, 9, 720.	2.4	5
166	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, .	2.8	5
167	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, .	2.1	5
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