

# Beatrix Vereijken

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

3,505  
citations

186265  
28  
h-index

149698  
56  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Putting Temperature into the Equation: Development and Validation of Algorithms to Distinguish Non-Wearing from Inactivity and Sleep in Wearable Sensors. <i>Sensors</i> , 2022, 22, 1117.	3.8	3
2	Sensitivity to Change and Responsiveness of the Original and the Shortened Version of the Community Balance & Mobility Scale for Young Seniors. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 2102-2108.	0.9	2
3	Assessment of Machine Learning Models for Classification of Movement Patterns During a Weight-Shifting Exergame. <i>IEEE Transactions on Human-Machine Systems</i> , 2021, 51, 242-252.	3.5	2
4	A Roadmap to Inform Development, Validation and Approval of Digital Mobility Outcomes: The Mobilise-D Approach. <i>Digital Biomarkers</i> , 2021, 4, 13-27.	4.4	73
5	Walking on common ground: a cross-disciplinary scoping review on the clinical utility of digital mobility outcomes. <i>Npj Digital Medicine</i> , 2021, 4, 149.	10.9	54
6	Experiences of Stroke Survivors and Clinicians With a Fully Immersive Virtual Reality Treadmill Exergame for Stroke Rehabilitation: A Qualitative Pilot Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 735251.	3.4	13
7	Creating and Validating a Shortened Version of the Community Balance and Mobility Scale for Application in People Who Are 61 to 70 Years of Age. <i>Physical Therapy</i> , 2020, 100, 180-191.	2.4	11
8	Assessing Motivational Differences Between Young and Older Adults When Playing an Exergame. <i>Games for Health Journal</i> , 2020, 9, 24-30.	2.0	39
9	Walking-related digital mobility outcomes as clinical trial endpoint measures: protocol for a scoping review. <i>BMJ Open</i> , 2020, 10, e038704.	1.9	29
10	The association of basic and challenging motor capacity with mobility performance and falls in young seniors. <i>Archives of Gerontology and Geriatrics</i> , 2020, 90, 104134.	3.0	5
11	Digital Technology to Deliver a Lifestyle-Integrated Exercise Intervention in Young Seniorsâ€”The PreventIT Feasibility Randomized Controlled Trial. <i>Frontiers in Digital Health</i> , 2020, 2, 10.	2.8	12
12	Predicting Advanced Balance Ability and Mobility with an Instrumented Timed Up and Go Test. <i>Sensors</i> , 2020, 20, 4987.	3.8	15
13	Comparison of a Deep Learning-Based Pose Estimation System to Marker-Based and Kinect Systems in Exergaming for Balance Training. <i>Sensors</i> , 2020, 20, 6940.	3.8	20
14	Balance Training in Older Adults Using Exergames: Game Speed and Cognitive Elements Affect How Seniors Play. <i>Frontiers in Sports and Active Living</i> , 2020, 2, 54.	1.8	3
15	App-based Self-administrable Clinical Tests of Physical Function: Development and Usability Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e16507.	3.7	33
16	Development of a clinical prediction model for the onset of functional decline in people aged 65â€“75 years: pooled analysis of four European cohort studies. <i>BMC Geriatrics</i> , 2019, 19, 179.	2.7	24
17	The Adapted Lifestyle-Integrated Functional Exercise Program for Preventing Functional Decline in Young Seniors: Development and Initial Evaluation. <i>Gerontology</i> , 2019, 65, 362-374.	2.8	32
18	Protocol for the PreventIT feasibility randomised controlled trial of a lifestyle-integrated exercise intervention in young older adults. <i>BMJ Open</i> , 2019, 9, e023526.	1.9	34

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19	Twelve Ways to Reach for a Star: Player Movement Strategies in a Whole-Body Exergame. , 2019, , .		1
20	Use it or lose it? Effects of age, experience, and disuse on crawling. Developmental Psychobiology, 2019, 61, 29-42.	1.6	26
21	Performance-based clinical tests of balance and muscle strength used in young seniors: a systematic literature review. BMC Geriatrics, 2019, 19, 9.	2.7	47
22	The Effect of Increased Gait Speed on Asymmetry and Variability in Children With Cerebral Palsy. Frontiers in Neurology, 2019, 10, 1399.	2.4	12
23	Predicting Trajectories of Functional Decline in 60- to 70-Year-Old People. Gerontology, 2018, 64, 212-221.	2.8	60
24	Complexity of Daily Physical Activity Is More Sensitive Than Conventional Metrics to Assess Functional Change in Younger Older Adults. Sensors, 2018, 18, 2032.	3.8	18
25	The Potential for Technology to Enhance Physical Activity Among Older People. , 2018, , 713-731.		2
26	Improved Prediction of Falls in Community-Dwelling Older Adults Through Phase-Dependent Entropy of Daily-Life Walking. Frontiers in Aging Neuroscience, 2018, 10, 44.	3.4	30
27	Exergames Inherently Contain Cognitive Elements as Indicated by Cortical Processing. Frontiers in Behavioral Neuroscience, 2018, 12, 102.	2.0	24
28	Concurrent validity and reliability of the Community Balance and Mobility scale in young-older adults. BMC Geriatrics, 2018, 18, 156.	2.7	30
29	Transfer of Motor Learning Is More Pronounced in Proximal Compared to Distal Effectors in Upper Extremities. Frontiers in Psychology, 2017, 8, 1530.	2.1	15
30	A Physical Activity Reference Data-Set Recorded from Older Adults Using Body-Worn Inertial Sensors and Video Technologyâ€”The ADAPT Study Data-Set. Sensors, 2017, 17, 559.	3.8	28
31	Mobile Health Applications to Promote Active and Healthy Ageing. Sensors, 2017, 17, 622.	3.8	151
32	Exergaming in Older Adults: Movement Characteristics While Playing Stepping Games. Frontiers in Psychology, 2016, 7, 964.	2.1	29
33	Developing the FARSEEING Taxonomy of Technologies: Classification and description of technology use (including ICT) in falls prevention studies. Journal of Biomedical Informatics, 2016, 61, 132-140.	4.3	7
34	Exercise and rehabilitation delivered through exergames in older adults: An integrative review of technologies, safety and efficacy. International Journal of Medical Informatics, 2016, 85, 1-16.	3.3	250
35	Usability and acceptability of balance exergames in older adults: A scoping review. Health Informatics Journal, 2016, 22, 911-931.	2.1	71
36	Designing for Movement Quality in Exergames: Lessons Learned from Observing Senior Citizens Playing Stepping Games. Gerontology, 2015, 61, 186-194.	2.8	35

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37	An Exergame Concept for Improving Balance in Elderly People. Communications in Computer and Information Science, 2015, , 55-67.	0.5	2
38	Design and Development of an Inertial Sensor Based Exergame for Recovery-Step Training. , 2014, , .		3
39	Assessing seniors' user experience (UX) of exergames for balance training. , 2014, , .		20
40	The effect of gait speed on vertical force in late stance in children and adolescents with cerebral palsy. Gait and Posture, 2014, 39, S129.	1.4	0
41	Detection of co-regulation of local structure and magnitude of stride time variability using a new local detrended fluctuation analysis. Gait and Posture, 2014, 39, 466-471.	1.4	12
42	Coping with asymmetry: How infants and adults walk with one elongated leg. , 2014, 37, 305-314.		8
43	Multiple Days of Monitoring Are Needed to Obtain a Reliable Estimate of Physical Activity in Hip-Fracture Patients. Journal of Aging and Physical Activity, 2014, 22, 173-177.	1.0	18
44	Perceiving affordances for different motor skills. Experimental Brain Research, 2013, 225, 309-319.	1.5	35
45	Identifying Multiplicative Interactions Between Temporal Scales of Human Movement Variability. Annals of Biomedical Engineering, 2013, 41, 1635-1645.	2.5	14
46	Multifractal formalisms of human behavior. Human Movement Science, 2013, 32, 633-651.	1.4	62
47	Involuntary and voluntary muscle activation in children with unilateral cerebral palsy â€œ Relationship to upper limb activity. European Journal of Paediatric Neurology, 2013, 17, 274-279.	1.6	13
48	The influence of center-of-mass movements on the variation in the structure of human postural sway. Journal of Biomechanics, 2013, 46, 484-490.	2.1	31
49	Physical activity monitoring by use of accelerometer-based body-worn sensors in older adults: A systematic literature review of current knowledge and applications. Maturitas, 2012, 71, 13-19.	2.4	164
50	Older adults have unstable gait kinematics during weight transfer. Journal of Biomechanics, 2012, 45, 1559-1565.	2.1	28
51	Phase-dependent changes in local dynamic stability of human gait. Journal of Biomechanics, 2012, 45, 2208-2214.	2.1	38
52	Effectiveness of resistance training in combination with botulinum toxin-A on hand and arm use in children with cerebral palsy: a pre-post intervention study. BMC Pediatrics, 2012, 12, 91.	1.7	28
53	Effects of Age, Task, and Frequency on Variability of Finger Tapping. Perceptual and Motor Skills, 2011, 113, 647-661.	1.3	11
54	Measuring Physical Fitness in Children Who Are 5 to 12 Years Old With a Test Battery That Is Functional and Easy to Administer. Physical Therapy, 2011, 91, 1087-1095.	2.4	90

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55	Relationship between neuromuscular body functions and upper extremity activity in children with cerebral palsy. Developmental Medicine and Child Neurology, 2010, 52, e29-34.	2.1	49
56	Interaction-dominant dynamics in human cognition: Beyond 1/ $\sqrt{t}$ ± fluctuation.. Journal of Experimental Psychology: General, 2010, 139, 436-463.	2.1	249
57	The Complexity of Childhood Development: Variability in Perspective. Physical Therapy, 2010, 90, 1850-1859.	2.4	88
58	Observation-based descriptions of social status in the pre-school. Early Child Development and Care, 2010, 180, 1231-1241.	1.3	1
59	Early independent walking: A longitudinal study of load perturbation effects. Developmental Psychobiology, 2009, 51, 374-383.	1.6	20
60	Change in action: how infants learn to walk down slopes. Developmental Science, 2009, 12, 888-902.	2.4	69
61	Altered vision destabilizes gait in older persons. Gait and Posture, 2009, 30, 233-238.	1.4	38
62	The effect of rate of force development on maximal force production: acute and training-related aspects. European Journal of Applied Physiology, 2007, 99, 605-613.	2.5	78
63	Effects of Body Position on Slide Boarding Performance by Cross-Country Skiers. Medicine and Science in Sports and Exercise, 2006, 38, 1462-1469.	0.4	24
64	Esther Thelen. Infancy, 2005, 7, 1-4.	1.6	1
65	Changes in agonist EMG activation level during MVC cannot explain early strength improvement. European Journal of Applied Physiology, 2005, 94, 593-601.	2.5	36
66	What Changes in Infant Walking and Why. Child Development, 2003, 74, 475-497.	3.0	275
67	Laterality probabilities fluctuate during ontogenetic development. Behavioral and Brain Sciences, 2003, 26, .	0.7	2
68	“The assumption of separate senses” Pervasive? Perhaps “Persuasive? Hardly!.. Behavioral and Brain Sciences, 2001, 24, 242-243.	0.7	0
69	Posture and the emergence of manual skills. Developmental Science, 2000, 3, 216-233.	2.4	73
70	The nature of support in supported walking. , 1998, 21, 737.		4
71	Learning to Crawl. Child Development, 1998, 69, 1299.	3.0	178
72	Training infant treadmill stepping: The role of individual pattern stability. , 1997, 30, 89-102.		52

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73	A dynamic systems approach to the development of cognition and action. Acta Psychologica, 1996, 94, 107-110.	1.5	1
74	Changing patterns of interlimb coordination from supported to independent walking. , 1996, 19, 797.		8
75	Free(z)ing Degrees of Freedom in Skill Acquisition. Journal of Motor Behavior, 1992, 24, 133-142.	0.9	442