Jane Mohler

List of Publications by Year
in descending order

40 papers	1,452 citations	304602 22 h-index	330025 37 g-index
41 all docs	41 docs citations	41 times ranked	1869 citing authors

#	Article	IF	Citations
1	Frailty and Technology: A Systematic Review of Gait Analysis in Those with Frailty. Gerontology, 2014, 60, 79-89.	1.4	138
2	Wearable Sensor-Based In-Home Assessment of Gait, Balance, and Physical Activity for Discrimination of Frailty Status: Baseline Results of the Arizona Frailty Cohort Study. Gerontology, 2015, 61, 258-267.	1.4	136
3	Novel Wearable Technology for Assessing Spontaneous Daily Physical Activity and Risk of Falling in Older Adults with Diabetes. Journal of Diabetes Science and Technology, 2013, 7, 1147-1160.	1.3	90
4	Motor Performance Assessment in Parkinsonâ€™s Disease: Association between Objective In-Clinic, Objective In-Home, and Subjective/Semi-Objective Measures. PLoS ONE, 2015, 10, e0124763.	1.1	90
5	Sensor-Derived Physical Activity Parameters Can Predict Future Falls in People with Dementia. Gerontology, 2014, 60, 483-492.	1.4	76
6	Interactive balance training integrating sensor-based visual feedback of movement performance: a pilot study in older adults. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 164.	2.4	65
7	The Influence of Diabetic Peripheral Neuropathy on Local Postural Muscle and Central Sensory Feedback Balance Control. PLoS ONE, 2015, 10, e0135255.	1.1	59
8	Sensor-based balance training with motion feedback in people with mild cognitive impairment. Journal of Rehabilitation Research and Development, 2016, 53, 945-958.	1.6	58
9	Foot Problems in Older Adults. Journal of the American Podiatric Medical Association, 2018, 108, 126-139.	0.2	52
10	Does Integrative Medicine Enhance Balance in Aging Adults? Proof of Concept for the Benefit of Electroacupuncture Therapy in Parkinson's Disease. Gerontology, 2015, 61, 3-14.	1.4	47
11	Assessing Upper-Extremity Motion: An Innovative, Objective Method to Identify Frailty in Older Bed-Bound Trauma Patients. Journal of the American College of Surgeons, 2016, 223, 240-248.	0.2	47
12	Improving Sleep Quality Assessment Using Wearable Sensors by Including Information From Postural/Sleep Position Changes and Body Acceleration: A Comparison of Chest-Worn Sensors, Wrist Actigraphy, and Polysomnography. Journal of Clinical Sleep Medicine, 2017, 13, 1301-1310.	1.4	47
13	Upper-Extremity Dual-Task Function: An Innovative Method to Assess Cognitive Impairment in Older Adults. Frontiers in Aging Neuroscience, 2016, 8, 167.	1.7	45
14	Postural Transitions during Activities of Daily Living Could Identify Frailty Status: Application of Wearable Technology to Identify Frailty during Unsupervised Condition. Gerontology, 2017, 63, 479-487.	1.4	44
15	An Intensive Exercise Program Improves Motor Performances in Patients with Dementia: Translational Model of Geriatric Rehabilitation. Journal of Alzheimer's Disease, 2014, 39, 487-498.	1.2	42
16	Gait and balance assessments as early indicators of frailty in patients with known peripheral artery disease. Clinical Biomechanics, 2016, 32, 1-7.	0.5	41
17	Proprioceptive impairments in high fall risk older adults: the effect of mechanical calf vibration on postural balance. BioMedical Engineering OnLine, 2018, 17, 51.	1.3	34
18	Activity Monitoring and Heart Rate Variability as Indicators of Fall Risk: Proof-of-Concept for Application of Wearable Sensors in the Acute Care Setting. Journal of Gerontological Nursing, 2017, 43, 53-62.	0.3	32

#	Article	IF	Citations
19	Frailty assessment in older adults using upper-extremity function: index development. BMC Geriatrics, 2017, 17, 117.	1.1	31
20	Screening older adults for amnestic mild cognitive impairment and early-stage Alzheimerâ€™s disease using upper-extremity dual-tasking. Scientific Reports, 2019, 9, 10911.	1.6	30
21	Gait behaviors as an objective surgical outcome in low back disorders: A systematic review. Clinical Biomechanics, 2015, 30, 528-536.	0.5	28
22	The influence of mechanical vibration on local and central balance control. Journal of Biomechanics, 2018, 71, 59-66.	0.9	28
23	Sensor-based characterization of daily walking: a new paradigm in pre-frailty/frailty assessment. BMC Geriatrics, 2020, 20, 164.	1.1	25
24	Predictors of Prolonged Length of Stay and Adverse Events among Older Adults with Behavioral Healthâ€'Related Emergency Department Visits: A Systematic Medical Record Review. Journal of Emergency Medicine, 2016, 50, 143-152.	0.3	20
25	Assessing upper-extremity motion: An innovative method to quantify functional capacity in patients with chronic obstructive pulmonary disease. PLoS ONE, 2017, 12, e0172766.	1.1	20
26	Alterations in gait parameters with peripheral artery disease: The importance of pre-frailty as a confounding variable. Vascular Medicine, 2016, 21, 520-527.	0.8	17
27	Can motor function uncertainty and local instability within upper-extremity dual-tasking predict amnestic mild cognitive impairment and early-stage Alzheimer's disease?. Computers in Biology and Medicine, 2020, 120, 103705.	3.9	15
28	Multi-parametric MR imaging of quadriceps musculature in the setting of clinical frailty syndrome. Skeletal Radiology, 2016, 45, 583-589.	1.2	13
29	Frailty Assessment Predicts Acute Outcomes in Patients Undergoing Screening Colonoscopy. Digestive Diseases and Sciences, 2018, 63, 3272-3280.	1.1	13
30	Low intensity vibration of ankle muscles improves balance in elderly persons at high risk of falling. PLoS ONE, 2018, 13, e0194720.	1.1	13
31	Frailty and heart response to physical activity. Archives of Gerontology and Geriatrics, 2021, 93, 104323.	1.4	12
32	The Effect of Pain Relief on Daily Physical Activity: In-Home Objective Physical Activity Assessment in Chronic Low Back Pain Patients after Paravertebral Spinal Block. Sensors, 2018, 18, 3048.	2.1	11
33	Paravertebral spinal injection for the treatment of patients with degenerative facet osteoarthropathy: Evidence of motor performance improvements based on objective assessments. Clinical Biomechanics, 2016, 39, 100-108.	0.5	7
34	Sensor-Based Upper-Extremity Frailty Assessment for the Vascular Surgery Risk Stratification. Journal of Surgical Research, 2020, 246, 403-410.	0.8	7
35	Physical and Cognitive Function Assessment to Predict Postoperative Outcomes of Abdominal Surgery. Journal of Surgical Research, 2021, 267, 495-505.	0.8	6
36	Nonlinear analysis of the movement variability structure can detect aging-related differences among cognitively healthy individuals. Human Movement Science, 2021, 78, 102807.	0.6	5

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37	Between-day repeatability of sensor-based in-home gait assessment among older adults: assessing the effect of frailty. Aging Clinical and Experimental Research, 2021, 33, 1529-1537.	1.4	4
38	The association between heart rate behavior and gait performance: The moderating effect of frailty. PLoS ONE, 2022, 17, e0264013.	1.1	2
39	Depression, Antidepressants, and Bone Health in Older Adults: A Systematic Review. Journal of the American Geriatrics Society, 2015, 63, 623-624.	1.3	1
40	Wearable sensor-based balance training in older adult cancer patients with chemotherapy-induced neuropathy: A randomized controlled trial.. Journal of Clinical Oncology, 2015, 33, 195-195.	0.8	1