

Bijan Najafi

List of Publications by Year in descending order

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Version: 2024-02-01

265
papers

9,892
citations

38742

50
h-index

48315

88
g-index

273
all docs

273
docs citations

273
times ranked

9632
citing authors

#	ARTICLE	IF	CITATIONS
1	How Should Clinical Wound Care and Management Translate to Effective Engineering Standard Testing Requirements from Foam Dressings? Mapping the Existing Gaps and Needs. <i>Advances in Wound Care</i> , 2024, 13, 34-52.	5.1	17
2	Home-Based Electrical Stimulation to Accelerate Wound Healingâ€”A Double-Blinded Randomized Control Trial. <i>Journal of Diabetes Science and Technology</i> , 2023, 17, 15-24.	2.2	15
3	Smart Offloading Boot System for Remote Patient Monitoring: Toward Adherence Reinforcement and Proper Physical Activity Prescription for Diabetic Foot Ulcer Patients. <i>Journal of Diabetes Science and Technology</i> , 2023, 17, 42-51.	2.2	18
4	Cognitive-motor dual-task gait training within 3 years after stroke: A randomized controlled trial. <i>Physiotherapy Theory and Practice</i> , 2022, 38, 1329-1344.	1.3	8
5	Evaluation of Motor and Cognitive Performance in People with Parkinsonâ€™s Disease Using Instrumented Trail-Making Test. <i>Gerontology</i> , 2022, 68, 234-240.	2.8	11
6	Digital Biomarkers of Cognitive Frailty: The Value of Detailed Gait Assessment Beyond Gait Speed. <i>Gerontology</i> , 2022, 68, 224-233.	2.8	17
7	Decomposition of the interaction energy of several flavonoids with Escherichia coli DNA Gyr using the SAPT (DFT) method: The relation between the interaction energy components, ligand structure, and biological activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130111.	2.4	2
8	Phenotypic frailty in people living with HIV is not correlated with age or immunosenescence. <i>International Journal of STD and AIDS</i> , 2022, , 095646242210914.	1.1	0
9	Harnessing Digital Health to Objectively Assess Functional Performance in Veterans with Chronic Obstructive Pulmonary Disease. <i>Gerontology</i> , 2022, 68, 829-839.	2.8	5
10	MO922: Intradialytic Plantar Electrical Nerve Stimulation During Routine Hemodialysis Process Facilitate Physical Activities of Daily Life in Adults With Diabetes and End-Stage Renal Diseaseâ€”A Randomized Double-Blinded Controlled Trial. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, .	0.7	0
11	Clinical research on the use of bordered foam dressings in the treatment of complex wounds: A systematic review of reported outcomes and applied measurement instruments. <i>Journal of Tissue Viability</i> , 2022, 31, 514-522.	2.0	9
12	IEEE Access Special Section Editorial: Behavioral Biometrics for Ehealth and Well-Being. <i>IEEE Access</i> , 2022, 10, 56706-56710.	4.2	0
13	Pilot Study for Correlation of Heart Rate Variability and Dopamine Transporter Brain Imaging in Patients with Parkinsonian Syndrome. <i>Sensors</i> , 2022, 22, 5055.	3.8	1
14	Mobility Performance in Community-Dwelling Older Adults: Potential Digital Biomarkers of Concern about Falling. <i>Gerontology</i> , 2021, 67, 365-373.	2.8	10
15	A limb is a peninsula and no clinician is an island: Introducing the American Limb Preservation Society (ALPS). <i>Foot & Ankle Surgery Techniques, Reports & Cases</i> , 2021, 1, 100005.	0.1	2
16	Harnessing digital health to objectively assess cancer-related fatigue: The impact of fatigue on mobility performance. <i>PLoS ONE</i> , 2021, 16, e0246101.	2.5	4
17	Dosing Activity and Return to Preulcer Function in Diabetes-Related Foot Ulcer Remission. <i>Journal of the American Podiatric Medical Association</i> , 2021, 111, .	0.3	3
18	Effectiveness of Lower-Extremity Electrical Stimulation to Improve Skin Perfusion. <i>Journal of the American Podiatric Medical Association</i> , 2021, , .	0.3	4

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19	Wearable technology: A promising opportunity to improve inpatient psychiatry safety and outcomes. <i>Journal of Psychiatric Research</i> , 2021, 135, 104-106.	3.1	3
20	Effect of Workstation Type on the Relationship Between Fatigue, Physical Activity, Stress, and Sleep. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, e103-e110.	1.7	4
21	Harnessing Digital Health Technologies to Remotely Manage Diabetic Foot Syndrome: A Narrative Review. <i>Medicina (Lithuania)</i> , 2021, 57, 377.	2.0	30
22	Decrease in Mobility during the COVID-19 Pandemic and Its Association with Increase in Depression among Older Adults: A Longitudinal Remote Mobility Monitoring Using a Wearable Sensor. <i>Sensors</i> , 2021, 21, 3090.	3.8	49
23	A Wrist-Worn Sensor-Derived Frailty Index Based on an Upper-Extremity Functional Test in Predicting Functional Mobility in Older Adults. <i>Gerontology</i> , 2021, 67, 753-761.	2.8	7
24	MO614A PRACTICAL SOLUTION TO SCREEN COGNITIVE FRAILTY AMONG HEMODIALYSIS PATIENTS USING A GAME-BASED INTRADIALYTIC EXERCISE WITH WEARABLE SENSORS. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .	0.7	0
25	Digital Biomarker Representing Frailty Phenotypes: The Use of Machine Learning and Sensor-Based Sit-to-Stand Test. <i>Sensors</i> , 2021, 21, 3258.	3.8	19
26	MO623EFFECT OF PLANTAR ELECTRICAL NERVE STIMULATION DURING ROUTINE HEMODIALYSIS PROCESS ON THE DAILY PHYSICAL ACTIVITY IN ADULTS WITH DIABETES AND END-STAGE RENAL DISEASE - A RANDOMIZED DOUBLE-BLINDED CONTROLLED TRIAL. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .	0.7	2
27	Should weight-bearing activity be reduced during healing of plantar diabetic foot ulcers, even when using appropriate offloading devices?. <i>Diabetes Research and Clinical Practice</i> , 2021, 175, 108733.	2.8	19
28	Utilization of Flexible-Wearable Sensors to Describe the Kinematics of Surgical Proficiency. <i>Journal of Surgical Research</i> , 2021, 262, 149-158.	1.6	3
29	Toward Remote Assessment of Physical Frailty Using Sensor-based Sit-to-stand Test. <i>Journal of Surgical Research</i> , 2021, 263, 130-139.	1.6	17
30	The detrimental association between fear of falling and motor performance in older cancer patients with chemotherapy-induced peripheral neuropathy. <i>Gait and Posture</i> , 2021, 88, 161-166.	1.4	8
31	Later sleep timing predicts accelerated summer weight gain among elementary school children: a prospective observational study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 94.	4.6	23
32	Digital Biomarkers of Physical Frailty and Frailty Phenotypes Using Sensor-Based Physical Activity and Machine Learning. <i>Sensors</i> , 2021, 21, 5289.	3.8	22
33	Improvement of disability in neurogenic thoracic outlet syndrome by robotic first rib resection. <i>Annals of Thoracic Surgery</i> , 2021, , .	1.3	5
34	Novel assessment of leukocyte-rich platelet-rich plasma on functional and patient-reported outcomes in knee osteoarthritis: a pilot study. <i>Regenerative Medicine</i> , 2021, 16, 823-832.	1.7	8
35	Safety of robotic first rib resection for thoracic outlet syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1297-1305.e1.	0.8	18
36	Continuous Diffusion of Oxygen Adjunct Therapy to Improve Scar Reduction After Cervicotomy – A Proof of Concept Randomized Controlled Trial. <i>Journal of Surgical Research</i> , 2021, 268, 585-594.	1.6	2

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37	The Promise and Hurdles of Telemedicine in Diabetes Foot Care Delivery. , 2021, , 455-470.		0
38	Digital Biomarkers for the Objective Assessment of Disability in Neurogenic Thoracic Outlet Syndrome. Sensors, 2021, 21, 7462.	3.8	2
39	The Effect of Implanted Functional Electrical Stimulation on Gait Performance in Stroke Survivors: A Systematic Review. Sensors, 2021, 21, 8323.	3.8	4
40	Wellbuilt for wellbeing: Controlling relative humidity in the workplace matters for our health. Indoor Air, 2020, 30, 167-179.	4.3	41
41	Leveraging smart technologies to improve the management of diabetic foot ulcers and extend ulcer-free days in remission. Diabetes/Metabolism Research and Reviews, 2020, 36, e3239.	4.0	56
42	Digital health for monitoring and managing hard-to-heal wounds. , 2020, , 129-158.		4
43	Wearable Sensor-Based Digital Biomarker to Estimate Chest Expansion During Sit-to-Stand Transitionsâ€”A Practical Tool to Improve Sternal Precautions in Patients Undergoing Median Sternotomy. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 165-173.	4.9	6
44	Lower-Limb Factors Associated with Balance and Falls in Older Adults: A Systematic Review and Clinical Synthesis. Journal of the American Podiatric Medical Association, 2020, 110, .	0.3	9
45	Characteristics of the gait initiation phase in older adults with diabetic peripheral neuropathy compared to control older adults. Clinical Biomechanics, 2020, 72, 155-160.	1.2	21
46	Endovascular Therapy in an â€œAll-Comersâ€•Risk Group for Chronic Limb-Threatening Ischemia Demonstrates Safety and Efficacy When Compared with the Established Performance Criteria Proposed by the Society for Vascular Surgery. Annals of Vascular Surgery, 2020, 67, 425-436.	0.9	4
47	Endovascular Therapy for CLTI Patients With Chronically Occluded Bypass Yield Similar Long-Term Outcomes as De Novo Endovascular Recanalization. Journal of Vascular Surgery, 2020, 72, e335.	1.1	1
48	The Therapeutic Efficacy Of Platelet-Rich Plasma On Gait And Balance In Patients With Knee Osteoarthritis. Medicine and Science in Sports and Exercise, 2020, 52, 349-349.	0.4	0
49	The Potential Role of Sensors, Wearables and Telehealth in the Remote Management of Diabetes-Related Foot Disease. Sensors, 2020, 20, 4527.	3.8	32
50	Remote Physical Frailty Monitoringâ€”The Application of Deep Learning-Based Image Processing in Tele-Health. IEEE Access, 2020, 8, 219391-219399.	4.2	11
51	Post the Pandemic: How will COVID-19 Transform Diabetic Foot Disease Management?. Journal of Diabetes Science and Technology, 2020, 14, 764-766.	2.2	12
52	Digital foot careâ€”leveraging digital health to extend ulcer-free days in remission. , 2020, , 179-194.		1
53	Application of Wearables to Facilitate Virtually Supervised Intradialytic Exercise for Reducing Depression Symptoms. Sensors, 2020, 20, 1571.	3.8	23
54	Does the Presence of Cognitive Impairment Exacerbate the Risk of Falls in People with Peripheral Neuropathy? An Application of Body-Worn Inertial Sensors to Measure Gait Variability. Sensors, 2020, 20, 1328.	3.8	15

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55	The impact of diabetic foot ulcers and unilateral offloading footwear on gait in people with diabetes. <i>Clinical Biomechanics</i> , 2020, 73, 157-161.	1.2	18
56	Sensor-Based Daily Physical Activity: Towards Prediction of the Level of Concern about Falling in Peripheral Neuropathy. <i>Sensors</i> , 2020, 20, 505.	3.8	16
57	Attentional prioritization in dual-task walking: Effects of stroke, environment, and instructed focus. <i>Gait and Posture</i> , 2020, 79, 3-9.	1.4	16
58	Toward Using Wearables to Remotely Monitor Cognitive Frailty in Community-Living Older Adults: An Observational Study. <i>Sensors</i> , 2020, 20, 2218.	3.8	27
59	Harnessing digital health to objectively assess cognitive impairment in people undergoing hemodialysis process: The Impact of cognitive impairment on mobility performance measured by wearables. <i>PLoS ONE</i> , 2020, 15, e0225358.	2.5	7
60	Association Between Wearable Device-Based Measures of Physical Frailty and Major Adverse Events Following Lower Extremity Revascularization. <i>JAMA Network Open</i> , 2020, 3, e2020161.	5.9	20
61	Objective measurement of sleep, heart rate, heart rate variability, and physical activity in suicidality: A systematic review. <i>Journal of Affective Disorders</i> , 2020, 273, 318-327.	4.1	15
62	Continuous monitoring of mobility performance trajectory in patients receiving chemotherapy.. <i>Journal of Clinical Oncology</i> , 2020, 38, e14104-e14104.	1.6	2
63	Impact Of Pain Suppression On Three-dimensional Gait Kinematics In Knee Osteoarthritis Patients. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 348-349.	0.4	0
64	Harnessing Digital Health To Objectively Assess Motor Capacity In Patient With Chronic Obstructive Pulmonary Disease. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 296-296.	0.4	0
65	Title is missing!. , 2020, 15, e0225358.		0
66	Title is missing!. , 2020, 15, e0225358.		0
67	Title is missing!. , 2020, 15, e0225358.		0
68	Title is missing!. , 2020, 15, e0225358.		0
69	The association between motor capacity and mobility performance: frailty as a moderator. <i>European Review of Aging and Physical Activity</i> , 2019, 16, 16.	2.9	18
70	CHARACTERISTICS OF THE GAIT INITIATION PHASE IN OLDER ADULTS WITH DIABETIC PERIPHERAL NEUROPATHY. <i>Innovation in Aging</i> , 2019, 3, S474-S474.	0.1	0
71	Mo1086 THE USE OF WEARABLE SENSORS TO ASSESS BIOMECHANICS OF NOVICE AND EXPERIENCED ENDOSCOPISTS ON A COLONOSCOPY SIMULATOR. <i>Gastrointestinal Endoscopy</i> , 2019, 89, AB442-AB443.	1.0	1
72	Using wearables to screen motor performance deterioration because of cancer and chemotherapy-induced peripheral neuropathy (CIPN) in adults - Toward an early diagnosis of CIPN. <i>Journal of Geriatric Oncology</i> , 2019, 10, 960-967.	1.0	33

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73	Gait Test or No Gait Test: Do We Need Walking Assessment to Determine Physical Frailty?. <i>Gerontology</i> , 2019, 65, 311-312.	2.8	3
74	Daily Use of Bilateral Custom-Made Ankle-Foot Orthoses for Fall Prevention in Older Adults: A Randomized Controlled Trial. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1656-1661.	2.6	9
75	Molecular dynamics simulations of nano-confined methanol and methanol-water mixtures between infinite graphite plates: Structure and dynamics. <i>Journal of Chemical Physics</i> , 2019, 150, 144510.	3.0	6
76	Measuring Plantar Tissue Stress in People With Diabetic Peripheral Neuropathy: A Critical Concept in Diabetic Foot Management. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 869-880.	2.2	79
77	The Effect of Daily Use of Plantar Mechanical Stimulation Through Micro-Mobile Foot Compression Device Installed in Shoe Insoles on Vibration Perception, Gait, and Balance in People With Diabetic Peripheral Neuropathy. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 847-856.	2.2	15
78	DETECTION OF FORWARD PROPULSION USING A SINGLE ACCELEROMETER DURING WALKING IN OLDER POPULATION. <i>Innovation in Aging</i> , 2019, 3, S333-S333.	0.1	0
79	AN INNOVATIVE PLATFORM BASED ON WEARABLE SENSOR TO QUANTIFY FRAILTY PHENOTYPES. <i>Innovation in Aging</i> , 2019, 3, S683-S684.	0.1	0
80	OPERATIONALIZING THE FRAILTY INDEX BASED ON WEARABLE SENSOR TO ASSESS FUNCTIONAL PERFORMANCE IN OLDER ADULTS. <i>Innovation in Aging</i> , 2019, 3, S680-S680.	0.1	0
81	GAIT UNSTEADINESS AS AN INDICATOR OF COGNITIVE STATUS IN INDIVIDUALS WITH PERIPHERAL NEUROPATHY. <i>Innovation in Aging</i> , 2019, 3, S845-S845.	0.1	0
82	Instrumented Trail-Making Task: Application of Wearable Sensor to Determine Physical Frailty Phenotypes. <i>Gerontology</i> , 2019, 65, 186-197.	2.8	21
83	Effectiveness of Daily Use of Bilateral Custom-Made Ankle-Foot Orthoses on Balance, Fear of Falling, and Physical Activity in Older Adults: A Randomized Controlled Trial. <i>Gerontology</i> , 2019, 65, 299-307.	2.8	27
84	Diffusion Tensor Imaging of the Ankle as a Possible Predictor of Chemotherapy Induced Peripheral Neuropathy: Pilot Study. <i>Current Problems in Diagnostic Radiology</i> , 2019, 48, 121-126.	1.4	3
85	Abstract 27: Mining Big Data to Estimate the Frailty Index in Patients with Congestive Heart Failure: Clinical Expert vs Machine Learning. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, .	2.2	0
86	Energy decomposition analysis of the intermolecular interaction energy between different gas molecules (H ₂ , O ₂ , H ₂ O, N ₂ , CO ₂ , H ₂ S, and CO) and selected Li ⁺ -doped graphitic molecules: DF-SAPT (DFT) calculations. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	1.4	1
87	Relationship Between Dual-Task Gait Speed and Walking Activity Poststroke. <i>Stroke</i> , 2018, 49, 1296-1298.	2.0	21
88	GameBased NonWeight Bearing Exercise to Improve Postural Balance in Diabetic Patients Undergoing Hemodialysis. , 2018, , .		1
89	Health Sensors, Smart Home Devices, and the Internet of Medical Things: An Opportunity for Dramatic Improvement in Care for the Lower Extremity Complications of Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 577-586.	2.2	131
90	Pilot study evaluating the efficacy of exergaming for the prevention of deep venous thrombosis. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2018, 6, 146-153.	1.6	5

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91	Exercise Programs to Improve Quality of Life and Reduce Fall Risk in Diabetic Patients with Lower Extremity Disease. <i>Contemporary Diabetes</i> , 2018, , 307-318.	0.0	0
92	Foot Problems in Older Adults. <i>Journal of the American Podiatric Medical Association</i> , 2018, 108, 126-139.	0.3	52
93	Toward Using a Smartwatch to Monitor Frailty in a Hospital Setting: Using a Single Wrist-Wearable Sensor to Assess Frailty in Bedbound Inpatients. <i>Gerontology</i> , 2018, 64, 389-400.	2.8	35
94	Effects of Wearable Sensor-Based Balance and Gait Training on Balance, Gait, and Functional Performance in Healthy and Patient Populations: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Gerontology</i> , 2018, 64, 74-89.	2.8	98
95	Hemodialysis Impact on Motor Function beyond Aging and Diabetesâ€”Objectively Assessing Gait and Balance by Wearable Technology. <i>Sensors</i> , 2018, 18, 3939.	3.8	27
96	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. <i>Sensors</i> , 2018, 18, 3048.	3.8	11
97	Designing Interiors to Mitigate Physical and Cognitive Deficits Related to Aging and to Promote Longevity in Older Adults: A Review. <i>Gerontology</i> , 2018, 64, 612-622.	2.8	27
98	764 USE OF WEARABLE SENSORS TO ASSESS BIOMECHANICAL LEARNING PATTERNS IN ENDOSCOPY TRAINING. <i>Gastrointestinal Endoscopy</i> , 2018, 87, AB110.	1.0	0
99	Motor Planning Error: Toward Measuring Cognitive Frailty in Older Adults Using Wearables. <i>Sensors</i> , 2018, 18, 926.	3.8	18
100	Wearable Sensors and the Assessment of Frailty among Vulnerable Older Adults: An Observational Cohort Study. <i>Sensors</i> , 2018, 18, 1336.	3.8	70
101	Toward Smart Footwear to Track Frailty Phenotypesâ€”Using Propulsion Performance to Determine Frailty. <i>Sensors</i> , 2018, 18, 1763.	3.8	19
102	765 USE OF WEARABLE SENSORS TO ASSESS STRESS RESPONSE IN ENDOSCOPY TRAINING. <i>Gastrointestinal Endoscopy</i> , 2018, 87, AB110-AB111.	1.0	0
103	The effect of curvature of Li-doped polycyclic hydrocarbon on its interaction energy with H2 and H2O: DF-SAPT (DFT) calculation. <i>Structural Chemistry</i> , 2018, 29, 1745-1751.	2.0	1
104	Effects of office workstation type on physical activity and stress. <i>Occupational and Environmental Medicine</i> , 2018, 75, 689-695.	2.8	72
105	Advanced therapies in wound management: cell and tissue based therapies, physical and bio-physical therapies smart and IT based technologies. <i>Journal of Wound Care</i> , 2018, 27, S1-S137.	1.2	48
106	Cost effectiveness of smart insoles in preventing ulcer recurrence for people in diabetic foot remission. <i>Wound Care Management</i> , 2018, 1, .	0.4	3
107	Accuracy of Daily Foot Temperature Monitoring for Patients with Recently Healed Diabetic Foot Ulcers or History of Amputation. <i>Diabetes</i> , 2018, 67, 114-OR.	0.6	1
108	Exergame: A Gamelike Exercise to Improve Motor Functions and Physical Activities in Diabetic Patients Undergoing Hemodialysis. , 2018, , .		2

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109	Potential Applications of Smart Multifunctional Wearable Materials to Gerontology. <i>Gerontology</i> , 2017, 63, 287-298.	2.8	36
110	Smarter Sole Survival: Will Neuropathic Patients at High Risk for Ulceration Use a Smart Insole-Based Foot Protection System?. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 702-713.	2.2	66
111	Using Plantar Electrical Stimulation to Improve Postural Balance and Plantar Sensation Among Patients With Diabetic Peripheral Neuropathy: A Randomized Double Blinded Study. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 693-701.	2.2	41
112	Lace Up for Healthy Feet: The Impact of Shoe Closure on Plantar Stress Response. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 678-684.	2.2	18
113	Feasibility and Efficacy of a Smart Mat Technology to Predict Development of Diabetic Plantar Ulcers. <i>Diabetes Care</i> , 2017, 40, 973-980.	8.6	114
114	Can't Stand the Pressure: The Association Between Unprotected Standing, Walking, and Wound Healing in People With Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 657-667.	2.2	61
115	Does Physiological Stress Slow Down Wound Healing in Patients With Diabetes?. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 685-692.	2.2	22
116	Instrumented Trail-Making Task to Differentiate Persons with No Cognitive Impairment, Amnesic Mild Cognitive Impairment, and Alzheimer Disease: A Proof of Concept Study. <i>Gerontology</i> , 2017, 63, 189-200.	2.8	28
117	The Impact of Mild Cognitive Impairment on Gait and Balance: A Systematic Review and Meta-Analysis of Studies Using Instrumented Assessment. <i>Gerontology</i> , 2017, 63, 67-83.	2.8	260
118	An Optical-Fiber-Based Smart Textile (Smart Socks) to Manage Biomechanical Risk Factors Associated With Diabetic Foot Amputation. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 668-677.	2.2	70
119	Postural Transitions during Activities of Daily Living Could Identify Frailty Status: Application of Wearable Technology to Identify Frailty during Unsupervised Condition. <i>Gerontology</i> , 2017, 63, 479-487.	2.8	44
120	Upper-Extremity Function Predicts Adverse Health Outcomes among Older Adults Hospitalized for Ground-Level Falls. <i>Gerontology</i> , 2017, 63, 299-307.	2.8	29
121	Pilot Study Evaluating the Efficacy of Exergaming for the Prevention of Deep Venous Thrombosis. <i>Journal of Vascular Surgery</i> , 2017, 66, e55-e56.	1.1	1
122	Novel In-Shoe Exoskeleton for Offloading of Forefoot Pressure for Individuals With Diabetic Foot Pathology. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 874-882.	2.2	11
123	Game-Based Non-Weight Bearing Exercise to Improve Motor Performance in Hemodialysis Diabetic Patients with Neuropathy. <i>American Journal of Kidney Diseases</i> , 2017, 69, A50.	1.9	0
124	Using Frailty and Cognitive Assessment to Predict Adverse Events After Major Vascular Intervention: Application of Wearable Technologies. <i>Journal of Vascular Surgery</i> , 2017, 66, e56.	1.1	1
125	A Regularization Approach for Identifying Cumulative Lagged Effects in Smart Health Applications. , 2017, , .		2
126	Objective Assessment of Functional and Motor-Cognitive Outcomes among Asymptomatic Primary Hyperparathyroidism Patients Undergoing Parathyroidectomy Using Wearable Technologies: A Pilot Study Toward Better Informed Clinical Decision-Making. <i>Journal of the American College of Surgeons</i> , 2017, 225, S71.	0.5	0

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127	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. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1301-1310.	2.6	47
128	Prediction of the Thermal Conductivity of Refrigerants by Computational Methods and Artificial Neural Network. <i>Frontiers in Chemistry</i> , 2017, 5, 99.	3.6	10
129	Assessing upper-extremity motion: An innovative method to quantify functional capacity in patients with chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2017, 12, e0172766.	2.5	20
130	Activity Monitoring and Heart Rate Variability as Indicators of Fall Risk: Proof-of-Concept for Application of Wearable Sensors in the Acute Care Setting. <i>Journal of Gerontological Nursing</i> , 2017, 43, 53-62.	0.6	32
131	Regulation of Cardiac Autonomic Nervous System Control across Frailty Statuses: A Systematic Review. <i>Gerontology</i> , 2016, 62, 3-15.	2.8	60
132	Upper-Extremity Dual-Task Function: An Innovative Method to Assess Cognitive Impairment in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 167.	3.4	45
133	A Pilot Clinical Trial to Objectively Assess the Efficacy of Electroacupuncture on Gait in Patients with Parkinson's Disease Using Body Worn Sensors. <i>PLoS ONE</i> , 2016, 11, e0155613.	2.5	50
134	Sensor-based balance training with motion feedback in people with mild cognitive impairment. <i>Journal of Rehabilitation Research and Development</i> , 2016, 53, 945-958.	1.6	58
135	TRACKING COGNITIVE DECLINE IN OLDER ADULTS BY USING ITMT BASED ON WEARABLE TECHNOLOGY. <i>Gerontologist</i> , The, 2016, 56, 191-191.	3.9	0
136	Unobtrusive Monitoring Respiration During Sedentary Behavior Using a Pressure Sensing Mat1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2016, 10, .	0.7	0
137	Motion Sensors Estimated Upper Extremity Frailty Score: A Practical Method to Identify 30-Day Recurrent Fall and Hospital Readmission in Elderly Trauma Patients. <i>Journal of the American College of Surgeons</i> , 2016, 223, S42.	0.5	0
138	Interactive Sensor-Based Balance Training in Older Cancer Patients with Chemotherapy-Induced Peripheral Neuropathy: A Randomized Controlled Trial. <i>Gerontology</i> , 2016, 62, 553-563.	2.8	114
139	Feature Importance and Predictive Modeling for Multi-source Healthcare Data with Missing Values. , 2016, , .		6
140	Objective fall risk detection in stroke survivors using wearable sensor technology: a feasibility study. <i>Topics in Stroke Rehabilitation</i> , 2016, 23, 393-399.	1.9	19
141	Assessing Upper-Extremity Motion: An Innovative, Objective Method to Identify Frailty in Older Bed-Bound Trauma Patients. <i>Journal of the American College of Surgeons</i> , 2016, 223, 240-248.	0.5	47
142	Motor Performance and Physical Activity as Predictors of Prospective Falls in Community-Dwelling Older Adults by Frailty Level: Application of Wearable Technology. <i>Gerontology</i> , 2016, 62, 654-664.	2.8	74
143	A new force field for the adsorption of H ₂ , O ₂ , N ₂ , CO, H ₂ O, and H ₂ S gases on alkali doped carbon nanotubes. <i>Molecular Physics</i> , 2016, 114, 3375-3387.	1.7	6
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