

Vipul A Lugade

List of Publications by Year in descending order

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37
papers

1,472
citations

471509

17
h-index

434195

31
g-index

38
all docs

38
docs citations

38
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel smartphone application is reliable for repeat administration and comparable to the Tekscan Strideway for spatiotemporal gait. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110882.	5.0	5
2	Reliability and Minimal Detectable Change for a Smartphone-Based Motor-Cognitive Assessment: Implications for Concussion Management. Journal of Applied Biomechanics, 2021, 37, 380-387.	0.8	7
3	Trunk and pelvis biomechanical responses in children with cerebral palsy and with typical development during horseback riding. Gait and Posture, 2021, 89, 115-119.	1.4	1
4	Three-Day Remote Monitoring of Gait Among Young and Older Adults Using Participants's Personal Smartphones. Journal of Aging and Physical Activity, 2021, 29, 1026-1033.	1.0	5
5	Determining the utility of a smartphone-based gait evaluation for possible use in concussion management. Physician and Sportsmedicine, 2020, 48, 75-80.	2.1	18
6	Smartphone-Based Assessment of Gait During Straight Walking, Turning, and Walking Speed Modulation in Laboratory and Free-Living Environments. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1188-1195.	6.3	21
7	Smartphone Monitoring of Gait and Balance During Irregular Surface Walking and Obstacle Crossing. Frontiers in Sports and Active Living, 2020, 2, 560577.	1.8	10
8	The Effect of Blood Glucose on Quiet Standing Balance in Young Healthy Individuals. Biomedical Engineering - Applications, Basis and Communications, 2020, 32, 2050016.	0.6	0
9	Feasibility study of inertia sensor technology on the pelvic and trunk kinematics during horseback riding in children. , 2020, 19, 111-120.		1
10	A multifaceted and clinically viable paradigm to quantify postural control impairments among adolescents with concussion. Physiological Measurement, 2019, 40, 084006.	2.1	20
11	Cognitive and visual demands, but not gross motor demand, of concurrent smartphone use affect laboratory and free-living gait among young and older adults. Gait and Posture, 2019, 68, 30-36.	1.4	29
12	Dynamic assessment of center of pressure measurements from an instrumented AMTI treadmill with controlled precision. Medical Engineering and Physics, 2017, 42, 99-104.	1.7	5
13	Assessment of stability during gait in patients with spinal deformity: A preliminary analysis using the dynamic stability margin. Gait and Posture, 2017, 55, 37-42.	1.4	13
14	Home-based interventions improve trained, but not novel, dual-task balance performance in older adults: A randomized controlled trial. Gait and Posture, 2017, 52, 147-152.	1.4	17
15	Reliability and validity of a smartphone-based assessment of gait parameters across walking speed and smartphone locations: Body, bag, belt, hand, and pocket. Gait and Posture, 2017, 58, 516-522.	1.4	86
16	A principal component analysis approach to correcting the knee flexion axis during gait. Journal of Biomechanics, 2016, 49, 1698-1704.	2.1	12
17	Step detection using multi- versus single tri-axial accelerometer-based systems. Physiological Measurement, 2015, 36, 2519-2535.	2.1	23
18	COMPARISON OF AN ELECTROMAGNETIC AND OPTICAL SYSTEM DURING DYNAMIC MOTION. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550041.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Posture and Movement Classification: The Comparison of Tri-Axial Accelerometer Numbers and Anatomical Placement. Journal of Biomechanical Engineering, 2014, 136, 051003.	1.3	33
20	Validity of using tri-axial accelerometers to measure human movement " Part II: Step counts at a wide range of gait velocities. Medical Engineering and Physics, 2014, 36, 659-669.	1.7	130
21	Dynamic stability margin using a marker based system and Tekscan: A comparison of four gait conditions. Gait and Posture, 2014, 40, 252-254.	1.4	24
22	Validity of using tri-axial accelerometers to measure human movement"Part I: Posture and movement detection. Medical Engineering and Physics, 2014, 36, 169-176.	1.7	113
23	Center of pressure trajectory during gait: A comparison of four foot positions. Gait and Posture, 2014, 40, 719-722.	1.4	40
24	Accelerations of the Waist and Lower Extremities Over a Range of Gait Velocities to Aid in Activity Monitor Selection for Field-Based Studies. Journal of Applied Biomechanics, 2014, 30, 581-585.	0.8	11
25	An Artificial Neural Network Estimation of Gait Balance Control in the Elderly Using Clinical Evaluations. PLoS ONE, 2014, 9, e97595.	2.5	17
26	Identification of True Knee Flexion Axis Despite Marker Misplacement Using Principal Component Analysis. , 2013, , .		0
27	Validation of Static and Dynamic Activity Detection Using a Tri-Axial Accelerometer and Video. , 2012, , .		0
28	Step Count Validation of a Tri-Axial Accelerometer During Walking and Jogging. , 2012, , .		0
29	Center of mass and base of support interaction during gait. Gait and Posture, 2011, 33, 406-411.	1.4	136
30	Is There Faster Recovery With an Anterior or Anterolateral THA? A Pilot Study. Clinical Orthopaedics and Related Research, 2010, 468, 533-541.	1.5	66
31	Gait asymmetry following an anterior and anterolateral approach to total hip arthroplasty. Clinical Biomechanics, 2010, 25, 675-680.	1.2	69
32	Training-related changes in dual-task walking performance of elderly persons with balance impairment: A double-blind, randomized controlled trial. Gait and Posture, 2009, 29, 634-639.	1.4	173
33	Effects of Single-Task Versus Dual-Task Training on Balance Performance in Older Adults: A Double-Blind, Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2009, 90, 381-387.	0.9	310
34	Short-term Recovery of Balance Control after Total Hip Arthroplasty. Clinical Orthopaedics and Related Research, 2008, 466, 3051-3058.	1.5	23
35	Dual-task interference during obstacle clearance in healthy and balance-impaired older adults. Aging Clinical and Experimental Research, 2008, 20, 349-354.	2.9	47
36	EFFECTS OF SINGLE - VS DUAL-TASK TRAINING IN OLDER ADULTS WITH BALANCE IMPAIRMENT. Journal of Biomechanics, 2007, 40, S124.	2.1	0

#	ARTICLE	IF	CITATIONS
37	GAIT STABILITY FOLLOWING TOTAL HIP REPLACEMENT. <i>Journal of Biomechanics</i> , 2007, 40, S126.	2.1	0