

# Espen Alexander F Ihlen

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,510  
citations

643344

15  
h-index

651938

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical Machine Learning Versus Deep Learning for the Older Adults Free-Living Activity Classification. <i>Sensors</i> , 2021, 21, 4669.	2.1	15
2	Performance Analysis in Ski Jumping with a Differential Global Navigation Satellite System and Video-Based Pose Estimation. <i>Sensors</i> , 2021, 21, 5318.	2.1	12
3	Effects of Ankle-Foot Orthoses on acceleration and energy cost of walking in children and adolescents with cerebral palsy. <i>Prosthetics and Orthotics International</i> , 2021, 45, 500-505.	0.5	3
4	Development of a gold-standard method for the identification of sedentary, light and moderate physical activities in older adults: Definitions for video annotation. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 557-561.	0.6	9
5	Physical Activity Classification for Elderly People in Free-Living Conditions. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 197-207.	3.9	56
6	A Physical Activity Reference Data-Set Recorded from Older Adults Using Body-Worn Inertial Sensors and Video Technologyâ€”The ADAPT Study Data-Set. <i>Sensors</i> , 2017, 17, 559.	2.1	28
7	Performance Evaluation of State of the Art Systems for Physical Activity Classification of Older Subjects Using Inertial Sensors in a Real Life Scenario: A Benchmark Study. <i>Sensors</i> , 2016, 16, 2105.	2.1	25
8	Exergaming in Older Adults: Movement Characteristics While Playing Stepping Games. <i>Frontiers in Psychology</i> , 2016, 7, 964.	1.1	29
9	Video analysis validation of a real-time physical activity detection algorithm based on a single waist mounted tri-axial accelerometer sensor. , 2016, 2016, 4881-4884.		9
10	Fall detection algorithms for real-world falls harvested from lumbar sensors in the elderly population: A machine learning approach. , 2016, 2016, 3712-3715.		34
11	The FARSEEING real-world fall repository: a large-scale collaborative database to collect and share sensor signals from real-world falls. <i>European Review of Aging and Physical Activity</i> , 2016, 13, 8.	1.3	67
12	A comparison study of local dynamic stability measures of daily life walking in older adult community-dwelling fallers and non-fallers. <i>Journal of Biomechanics</i> , 2016, 49, 1498-1503.	0.9	27
13	The complexity of daily life walking in older adult community-dwelling fallers and non-fallers. <i>Journal of Biomechanics</i> , 2016, 49, 1420-1428.	0.9	69
14	Association between vestibulo-ocular reflex suppression, balance, gait, and fall risk in ageing and neurodegenerative disease: protocol of a one-year prospective follow-up study. <i>BMC Neurology</i> , 2015, 15, 192.	0.8	15
15	The Discriminant Value of Phase-Dependent Local Dynamic Stability of Daily Life Walking in Older Adult Community-Dwelling Fallers and Nonfallers. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	27
16	Multifractal analyses of human response time: potential pitfalls in the interpretation of results. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 523.	1.0	3
17	Age-related changes in inter-joint coordination during walking. <i>Journal of Applied Physiology</i> , 2014, 117, 189-198.	1.2	13
18	Detection of co-regulation of local structure and magnitude of stride time variability using a new local detrended fluctuation analysis. <i>Gait and Posture</i> , 2014, 39, 466-471.	0.6	12

#	ARTICLE	IF	CITATIONS
19	Multifractal analyses of response time series: A comparative study. Behavior Research Methods, 2013, 45, 928-945.	2.3	32
20	Identifying Multiplicative Interactions Between Temporal Scales of Human Movement Variability. Annals of Biomedical Engineering, 2013, 41, 1635-1645.	1.3	14
21	Multifractal formalisms of human behavior. Human Movement Science, 2013, 32, 633-651.	0.6	62
22	The influence of center-of-mass movements on the variation in the structure of human postural sway. Journal of Biomechanics, 2013, 46, 484-490.	0.9	31
23	Introduction to Multifractal Detrended Fluctuation Analysis in Matlab. Frontiers in Physiology, 2012, 3, 141.	1.3	587
24	Older adults have unstable gait kinematics during weight transfer. Journal of Biomechanics, 2012, 45, 1559-1565.	0.9	28
25	Phase-dependent changes in local dynamic stability of human gait. Journal of Biomechanics, 2012, 45, 2208-2214.	0.9	38
26	Interaction-dominant dynamics in human cognition: Beyond $1/f$ fluctuation.. Journal of Experimental Psychology: General, 2010, 139, 436-463.	1.5	249
27	A comparison of two Hilbert spectral analyses of heart rate variability. Medical and Biological Engineering and Computing, 2009, 47, 1035-1044.	1.6	16