Jochen Klenk

List of Publications by Year
in descending order

137 papers	5,481 citations	87888 38 h-index	95266 68 g-index
140 all docs	140 docs citations	140 times ranked	7858 citing authors

#	Article	IF	Citations
1	Evaluation of Accelerometer-Based Fall Detection Algorithms on Real-World Falls. PLoS ONE, 2012, 7, e37062.	2.5	359
2	Obesity and incidence of cancer: a large cohort study of over 145 000 adults in Austria. British Journal of Cancer, 2005, 93, 1062-1067.	6.4	300
3	Fasting blood glucose and cancer risk in a cohort of more than 140,000 adults in Austria. Diabetologia, 2006, 49, 945-952.	6.3	243
4	Serum Uric Acid and Risk of Cardiovascular Mortality: A Prospective Long-Term Study of 83 683 Austrian Men. Clinical Chemistry, 2008, 54, 273-284.	3.2	189
5	Daily steps and all-cause mortality: a meta-analysis of 15 international cohorts. Lancet Public Health, The, 2022, 7, e219-e228.	10.0	189
6	Enlarged Substantia Nigra Hyperechogenicity and Risk for Parkinson Disease. Archives of Neurology, 2011, 68, 932.	4.5	146
7	Serum triglyceride concentrations and cancer risk in a large cohort study in Austria. British Journal of Cancer, 2009, 101, 1202-1206.	6.4	144
8	Hip Fractures in Institutionalized Elderly People: Incidence Rates and Excess Mortality. Journal of Bone and Mineral Research, 2008, 23, 1825-1831.	2.8	131
9	Comparison of acceleration signals of simulated and real-world backward falls. Medical Engineering and Physics, 2011, 33, 368-373.	1.7	127
10	Sturzerkennung mit am Körper getragenen Sensoren. Zeitschrift Fur Gerontologie Und Geriatrie, 2013, 46, 706-719.	1.8	126
11	Analyses of Case–Control Data for Additional Outcomes. Epidemiology, 2007, 18, 441-445.	2.7	114
12	The <scp>PRIPS</scp> study: screening battery for subjects at risk for <scp>P</scp>arkinson's disease. European Journal of Neurology, 2013, 20, 102-108.	3.3	113
13	Influence of Having Breakfast on Cognitive Performance and Mood in 13- to 20-Year-Old High School Students: Results of a Crossover Trial. Pediatrics, 2008, 122, 279-284.	2.1	95
14	Longitudinal Change in Serum Gamma-Glutamyltransferase and Cardiovascular Disease Mortality. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1857-1865.	2.4	92
15	Walking on sunshine: effect of weather conditions on physical activity in older people: Figure 1. Journal of Epidemiology and Community Health, 2012, 66, 474-476.	3.7	91
16	Smartphone-based solutions for fall detection and prevention: the FARSEEING approach. Zeitschrift Fur Gerontologie Und Geriatrie, 2012, 45, 722-727.	1.8	90
17	Body mass index and mortality: results of a cohort of 184,697 adults in Austria. European Journal of Epidemiology, 2009, 24, 83-91.	5.7	84
18	Prospective study of the association of gamma–glutamyltransferase with cancer incidence in women. International Journal of Cancer, 2008, 123, 1902-1906.	5.1	81

#	ARTICLE	IF	CITATIONS
19	Weight change and cancer risk in a cohort of more than 65 000 adults in Austria. Annals of Oncology, 2008, 19, 641-648.	1.2	81
20	Declining prevalence rates for overweight and obesity in German children starting school. European Journal of Pediatrics, 2012, 171, 289-299.	2.7	81
21	Determinants of obesity in the Ulm Research on Metabolism, Exercise and Lifestyle in Children (URMEL-ICE). European Journal of Pediatrics, 2009, 168, 1259-1267.	2.7	78
22	Biomarkers associated with sedentary behaviour in older adults: A systematic review. Ageing Research Reviews, 2017, 35, 87-111.	10.9	76
23	Fall incidence in Germany: results of two population-based studies, and comparison of retrospective and prospective falls data collection methods. BMC Geriatrics, 2014, 14, 105.	2.7	74
24	Physical Activity and Different Concepts of Fall Risk Estimation in Older People—Results of the ActiFE-Ulm Study. PLoS ONE, 2015, 10, e0129098.	2.5	73
25	Heat-related mortality in residents of nursing homes. Age and Ageing, 2010, 39, 245-252.	1.6	71
26	Changes in life expectancy 1950—2010: contributions from age- and disease-specific mortality in selected countries. Population Health Metrics, 2016, 14, 20.	2.7	70
27	The FARSEEING real-world fall repository: a large-scale collaborative database to collect and share sensor signals from real-world falls. European Review of Aging and Physical Activity, 2016, 13, 8.	2.9	67
28	Increasing life expectancy in Germany: quantitative contributions from changes in age- and disease-specific mortality. European Journal of Public Health, 2007, 17, 587-592.	0.3	66
29	The effects of unexpected mechanical perturbations during treadmill walking on spatiotemporal gait parameters, and the dynamic stability measures by which to quantify postural response. PLoS ONE, 2018, 13, e0195902.	2.5	62
30	Validation of accuracy of SVM-based fall detection system using real-world fall and non-fall datasets. PLoS ONE, 2017, 12, e0180318.	2.5	60
31	Vorschlag für ein Mehrphasensturzmodell auf der Basis von Sturzdokumentationen mit am Körper getragenen Sensoren. Zeitschrift Fur Gerontologie Und Geriatrie, 2012, 45, 707-715.	1.8	50
32	Objectively Measured Walking Duration and Sedentary Behaviour and Four-Year Mortality in Older People. PLoS ONE, 2016, 11, e0153779.	2.5	49
33	Change in Height, Weight, and body mass index: Longitudinal data from <scp>A</scp>ustria. American Journal of Human Biology, 2014, 26, 690-696.	1.6	48
34	Seasonality of vitamin D status in older people in Southern Germany: implications for assessment. Age and Ageing, 2013, 42, 404-408.	1.6	45
35	Use of Penalized Splines in Extended Cox-Type Additive Hazard Regression to Flexibly Estimate the Effect of Time-varying Serum Uric Acid on Risk of Cancer Incidence: A Prospective, Population-Based Study in 78,850 Men. Annals of Epidemiology, 2009, 19, 15-24.	1.9	44
36	Methods for the Real-World Evaluation of Fall Detection Technology: A Scoping Review. Sensors, 2018, 18, 2060.	3.8	43

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37	Changes of Body Mass Index in Relation to Mortality: Results of a Cohort of 42,099 Adults. PLoS ONE, 2014, 9, e84817.	2.5	43
38	Femoral fracture rates in people with and without disability. Age and Ageing, 2012, 41, 653-658.	1.6	41
39	A Wavelet-Based Approach to Fall Detection. Sensors, 2015, 15, 11575-11586.	3.8	40
40	Overweight Prevention Implemented by Primary School Teachers: A Randomised Controlled Trial. Obesity Facts, 2012, 5, 1-11.	3.4	38
41	Problems of older persons using a wheeled walker. Aging Clinical and Experimental Research, 2016, 28, 215-220.	2.9	36
42	Effect of cold indoor environment on physical performance of older women living in the community. Age and Ageing, 2014, 43, 571-575.	1.6	35
43	Predictive Performance of a Fall Risk Assessment Tool for Community-Dwelling Older People (FRAT-up) in 4 European Cohorts. Journal of the American Medical Directors Association, 2016, 17, 1106-1113.	2.5	35
44	Conceptualizing a Dynamic Fall Risk Model Including Intrinsic Risks and Exposures. Journal of the American Medical Directors Association, 2017, 18, 921-927.	2.5	35
45	Fractures after nursing home admission: incidence and potential consequences. Osteoporosis International, 2009, 20, 1775-1783.	3.1	34
46	Excess mortality after pelvic fractures in institutionalized older people. Osteoporosis International, 2010, 21, 1835-1839.	3.1	34
47	Fall detection algorithms for real-world falls harvested from lumbar sensors in the elderly population: A machine learning approach. , 2016, 2016, 3712-3715.		34
48	Metabolite profiling in identifying metabolic biomarkers in older people with late-onset type 2 diabetes mellitus. Scientific Reports, 2017, 7, 4392.	3.3	34
49	Validation of an accelerometer for measurement of activity in frail older people. Gait and Posture, 2018, 66, 114-117.	1.4	34
50	Prevalence and determinants of chronic kidney disease in community-dwelling elderly by various estimating equations. BMC Public Health, 2012, 12, 343.	2.9	33
51	Risk for Femoral Fractures in Parkinson's Disease Patients with and without Severe Functional Impairment. PLoS ONE, 2014, 9, e97073.	2.5	33
52	Accelerometer-Based Fall Detection Using Machine Learning: Training and Testing on Real-World Falls. Sensors, 2020, 20, 6479.	3.8	32
53	Reduction of Femoral Fractures in Long-Term Care Facilities: The Bavarian Fracture Prevention Study. PLoS ONE, 2011, 6, e24311.	2.5	32
54	Association of objectively measured physical activity with established and novel cardiovascular biomarkers in elderly subjects: every step counts. Journal of Epidemiology and Community Health, 2013, 67, 194-197.	3.7	29

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55	The SITLESS project: exercise referral schemes enhanced by self-management strategies to battle sedentary behaviour in older adults: study protocol for a randomised controlled trial. Trials, 2017, 18, 221.	1.6	28
56	Association of growth differentiation factor 15 with other key biomarkers, functional parameters and mortality in community-dwelling older adults. Age and Ageing, 2019, 48, 541-546.	1.6	28
57	Exergames to Improve the Mobility of Long-Term Care Residents: A Cluster Randomized Controlled Trial. Games for Health Journal, 2018, 7, 37-42.	2.0	27
58	Quantitative Description of the Lie-to-Sit-to-Stand-to-Walk Transfer by a Single Body-Fixed Sensor. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 624-633.	4.9	26
59	Assessment of adaptive walking performance. Medical Engineering and Physics, 2013, 35, 217-220.	1.7	26
60	Organized Sports, Overweight, and Physical Fitness in Primary School Children in Germany. Journal of Obesity, 2013, 2013, 1-7.	2.7	26
61	Validation of a Body-Worn Accelerometer to Measure Activity Patterns in Octogenarians. Archives of Physical Medicine and Rehabilitation, 2014, 95, 930-934.	0.9	26
62	Concurrent Validity of activPAL and activPAL3 Accelerometers in Older Adults. Journal of Aging and Physical Activity, 2016, 24, 444-450.	1.0	26
63	Osteoporotic hip fracture prediction from risk factors available in administrative claims data â€" A machine learning approach. PLoS ONE, 2020, 15, e0232969.	2.5	25
64	Secular changes of anthropometric measures for the past 30 years in South-West Germany. European Journal of Clinical Nutrition, 2009, 63, 1440-1443.	2.9	24
65	Comparison of a group-delivered and individually delivered lifestyle-integrated functional exercise (LiFE) program in older persons: a randomized noninferiority trial. BMC Geriatrics, 2018, 18, 267.	2.7	24
66	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. BMC Geriatrics, 2019, 19, 179.	2.7	24
67	Effect of a Statewide Fall Prevention Program on Incidence of Femoral Fractures in Residents of Longâ€Term Care Facilities. Journal of the American Geriatrics Society, 2010, 58, 70-75.	2.6	22
68	Development of a standard fall data format for signals from body-worn sensors. Zeitschrift Fur Gerontologie Und Geriatrie, 2013, 46, 720-726.	1.8	22
69	Robotic-assisted rehabilitation of proximal humerus fractures in virtual environments. Zeitschrift Fur Gerontologie Und Geriatrie, 2011, 44, 387-392.	1.8	20
70	Effect of a Brief Heat Exposure on Blood Pressure and Physical Performance of Older Women Living in the Communityâ€"A Pilot-Study. International Journal of Environmental Research and Public Health, 2014, 11, 12623-12631.	2.6	20
71	Objectively measured physical activity and vitamin D status in older people from Germany. Journal of Epidemiology and Community Health, 2015, 69, 388-392.	3.7	20
72	Expression and Activity of the Small RhoGTPase Cdc42 in Blood Cells of Older Adults Are Associated With Age and Cardiovascular Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1196-1200.	3.6	20

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73	Lifestyle-integrated functional exercise to prevent falls and promote physical activity: Results from the LiFE-is-LiFE randomized non-inferiority trial. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 115.	4.6	20
74	Effects of an intervention to reduce fear of falling and increase physical activity during hip and pelvic fracture rehabilitation. Age and Ageing, 2020, 49, 771-778.	1.6	19
75	The association between the home environment and physical activity in community-dwelling older adults. Aging Clinical and Experimental Research, 2014, 26, 377-385.	2.9	18
76	Validity of linear encoder measurement of sit-to-stand performance power in older people. Physiotherapy, 2015, 101, 298-302.	0.4	18
77	Fall risk as a function of time after admission to sub-acute geriatric hospital units. BMC Geriatrics, 2016, 16, 173.	2.7	18
78	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
79	Health and Subjective Views on Aging: Longitudinal Findings From the ActiFE Ulm Study. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2021, 76, 1349-1359.	3.9	18
80	Physical performance and daily walking duration: associations in 1271 women and men aged 65-90 years. Aging Clinical and Experimental Research, 2012, 24, 455-60.	2.9	18
81	Prospective evaluation of renal function, serum vitamin D level, and risk of fall and fracture in community-dwelling elderly subjects. Osteoporosis International, 2014, 25, 923-932.	3.1	17
82	Body mass trajectories, diabetes mellitus, and mortality in a large cohort of Austrian adults. Medicine (United States), 2016, 95, e5608.	1.0	17
83	Prospective analysis of time out-of-home and objectively measured walking duration during a week in a large cohort of older adults. European Review of Aging and Physical Activity, 2018, 15, 8.	2.9	17
84	Objective measures of rollator user stability and device loading during different walking scenarios. PLoS ONE, 2019, 14, e0210960.	2.5	16
85	Fall Risk in Relation to Individual Physical Activity Exposure in Patients with Different Neurodegenerative Diseases: a Pilot Study. Cerebellum, 2019, 18, 340-348.	2.5	16
86	Reference Values and Early Determinants of Intra-Abdominal Fat Mass in Primary School Children. Hormone Research in Paediatrics, 2011, 75, 412-422.	1.8	15
87	Differences in Health Behavior, Physical Fitness, and Cardiovascular Risk in Early, Average, and Late Mature Children. Pediatric Exercise Science, 2013, 25, 69-83.	1.0	15
88	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. BMC Neurology, 2015, 15, 192.	1.8	15
89	Associations of sedentary behavior bouts with community-dwelling older adults' physical function. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 153-162.	2.9	15
90	Effect of Indoor Temperature on Physical Performance in Older Adults during Days with Normal Temperature and Heat Waves. International Journal of Environmental Research and Public Health, 2017, 14, 186.	2.6	14

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91	Frailty Index and Sex-Specific 6-Year Mortality in Community-Dwelling Older People: The ActiFE Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 366-373.	3.6	14
92	Association of lung function with overall mortality is independent of inflammatory, cardiac, and functional biomarkers in older adults: theÂActiFE-study. Scientific Reports, 2020, 10, 11862.	3.3	13
93	Evaluating the effects of an exercise program (Staying UpRight) for older adults in long-term care on rates of falls: study protocol for a randomised controlled trial. Trials, 2020, 21, 46.	1.6	12
94	Inertial Sensor Based Analysis of Lie-to-Stand Transfers in Younger and Older Adults. Sensors, 2016, 16, 1277.	3.8	11
95	Model development to study strategies of younger and older adults getting up from the floor. Aging Clinical and Experimental Research, 2016, 28, 277-287.	2.9	11
96	Mediating factors on the association between fear of falling and health-related quality of life in community-dwelling German older people: a cross-sectional study. BMC Geriatrics, 2020, 20, 401.	2.7	11
97	Ambulatory Activity Components Deteriorate Differently across Neurodegenerative Diseases: A Cross-Sectional Sensor-Based Study. Neurodegenerative Diseases, 2016, 16, 317-323.	1.4	11
98	Availability and use of hip protectors in residents of nursing homes. Osteoporosis International, 2011, 22, 1593-1598.	3.1	10
99	A prospective assessment of cardiac biomarkers for hemodynamic stress and necrosis and the risk of falls among older people: the ActiFE study. European Journal of Epidemiology, 2016, 31, 427-435.	5.7	10
100	Lazy Sundays: role of day of the week and reactivity on objectively measured physical activity in older people. European Review of Aging and Physical Activity, 2019, 16, 18.	2.9	10
101	Validity of the Sedentary Behavior Questionnaire in European Older Adults Using English, Spanish, German and Danish Versions. Measurement in Physical Education and Exercise Science, 2022, 26, 1-14.	1.8	10
102	Reading from the Black Box: What Sensors Tell Us about Resting and Recovery after Real-World Falls. Gerontology, 2018, 64, 90-95.	2.8	9
103	Assessment of fatigability of older women during sit-to-stand performance. Aging Clinical and Experimental Research, 2016, 28, 889-893.	2.9	8
104	Social participation and heat-related behavior in older adults during heat waves and on other days. Zeitschrift Fur Gerontologie Und Geriatrie, 2018, 51, 543-549.	1.8	8
105	Change of Objectively-Measured Physical Activity during Geriatric Rehabilitation. Sensors, 2019, 19, 5451.	3.8	8
106	Accuracy of ECG indices for diagnosis of left ventricular hypertrophy in people >65Âyears: results from the ActiFE study. Aging Clinical and Experimental Research, 2017, 29, 875-884.	2.9	7
107	Every step you take. BMJ: British Medical Journal, 0, , l5051.	2.3	7
108	Applying Social Cognition Models to Explain Walking Duration in Older Adults: The Role of Intrinsic Motivation. Journal of Aging and Physical Activity, 2021, 29, 744-752.	1.0	7

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109	Consequences of Choosing Different Settings When Processing Hip-Based Accelerometry Data From Older Adults: A Practical Approach Using Baseline Data From the SITLESS Study. Journal for the Measurement of Physical Behaviour, 2020, 3, 89-99.	0.8	7
110	Cost-Effectiveness of a Group vs Individually Delivered Exercise Program in Community-Dwelling Persons Aged â‰¥70ÂYears. Journal of the American Medical Directors Association, 2022, 23, 736-742.e6.	2.5	7
111	The relationship of weather with daily physical activity and the time spent out of home in older adults from Germany â€" the ActiFE study. European Review of Aging and Physical Activity, 2022, 19, 6.	2.9	7
112	Longitudinal Changes of Nerve Conduction Velocity, Distal Motor Latency, Compound Motor Action Potential Duration, and Skin Temperature During Prolonged Exposure to Cold in a Climate Chamber. International Journal of Neuroscience, 2012, 122, 528-531.	1.6	6
113	Temporal and kinematic variables for real-world falls harvested from lumbar sensors in the elderly population. , 2015, 2015, 5183-6.		6
114	Physical activity of moderately impaired elderly stroke patients during rehabilitation. Physiological Measurement, 2012, 33, 1923-1930.	2.1	5
115	Association between everyday walking activity, objective and perceived risk of falling in older adults. Age and Ageing, 2021, 50, 1586-1592.	1.6	5
116	Femoral fracture rates after discharge from the hospital to the community. Journal of Bone and Mineral Research, 2013, 28, 821-827.	2.8	4
117	Change of physical activity parameters of hip and pelvic fracture patients during inpatient rehabilitation and after discharge: analysis of global and in-depth parameters. European Review of Aging and Physical Activity, 2021, 18, 9.	2.9	4
118	The Association of Physical Activity Fragmentation with Physical Function in Older Adults: Analysis from the SITLESS Study. Journal of Ageing and Longevity, 2022, 2, 63-73.	0.6	4
119	Right ventricular function assessed by tissue Doppler echocardiography in older subjects without evidence for structural cardiac disease. Aging Clinical and Experimental Research, 2017, 29, 557-562.	2.9	3
120	Perturbation in public transport as aÂbasic concept for perturbation-based balance training for fall prevention. Zeitschrift Fur Gerontologie Und Geriatrie, 2021, 54, 571-575.	1.8	3
121	Template-Based Recognition of Human Locomotion in IMU Sensor Data Using Dynamic Time Warping. Sensors, 2021, 21, 2601.	3.8	3
122	Re-Enactment as a Method to Reproduce Real-World Fall Events Using Inertial Sensor Data: Development and Usability Study. Journal of Medical Internet Research, 2020, 22, e13961.	4.3	3
123	Group-Based and Individually Delivered LiFE: Content Evaluation and Predictors of Training Response â€" A Dose-Response Analysis. Clinical Interventions in Aging, 2022, Volume 17, 637-652.	2.9	3
124	Echocardiographic B-mode evaluation of the right heart in older people: The ActiFE Study. Archives of Gerontology and Geriatrics, 2016, 67, 145-152.	3.0	2
125	Purpose, Frequency, and Mode of Transport by Which Older Adults Leave Their Homeâ€"A Cross-Sectional Analysis. Journal of Aging and Physical Activity, 2019, 27, 688-695.	1.0	2
126	Estimate of gait speed by using personsâ€™ walk ratio or step-frequency in older adults. Aging Clinical and Experimental Research, 2021, 33, 2989-2994.	2.9	2

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127	Changes in Psychological Determinants of Behavior Change after Individual versus Group-Based Lifestyle-integrated Fall Prevention: Results from the LiFE-is-LiFE Trial. Gerontology, 2023, 69, 212-226.	2.8	2
128	Authors' reply to Kenington. BMJ: British Medical Journal, 2019, 366, l5693.	2.3	1
129	Physical Activity and Sex Hormone–Binding Globulin in Older Adults. Journal of Aging and Physical Activity, 2019, 27, 621-624.	1.0	1
130	Assessment of Thigh Angular Velocity by an Activity Monitor to Describe Sit-to-Stand Performance. Sensors, 2022, 22, 1405.	3.8	1
131	Determinants For Bmi And Overweight In Parents Of First Grade School Children - Data From Urmel-ice. Medicine and Science in Sports and Exercise, 2010, 42, 773.	0.4	0
132	Effects Of A German School-based Overweight Prevention Program On Children`s Anthropometry: URMEL-ICE. Medicine and Science in Sports and Exercise, 2011, 43, 23.	0.4	0
133	Are Different Diseases in Old Age Connected With Different Attitudes Toward Own Aging and Subjective Age?. Innovation in Aging, 2020, 4, 589-589.	0.1	0
134	Title is missing!. , 2020, 15, e0232969.		0
135	Title is missing!. , 2020, 15, e0232969.		0
136	Title is missing!. , 2020, 15, e0232969.		0
137	Title is missing!. , 2020, 15, e0232969.		0