

Raija Korpelainen

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

16,724
citations

109264

35
h-index

22147

113
g-index

120
all docs

120
docs citations

120
times ranked

25479
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-cultural comparison of depressive symptoms on the Beck Depression Inventory-II, across six population samples. <i>BJPsych Open</i> , 2022, 8, e46.	0.3	6
2	Cross-Sectional Associations of Sedentary Behavior and Sitting with Serum Lipid Biomarkers in Midlife. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1261-1270.	0.2	0
3	Accelerometer-measured physical activity is associated with knee breadth in middle-aged Finns – a population-based study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, .	0.8	1
4	Physical activity profiles and glucose metabolism – A population-based cross-sectional study in older adults. <i>Translational Sports Medicine</i> , 2021, 4, 439.	0.5	2
5	Infant motor development and physical activity and sedentary time at midlife. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1450-1460.	1.3	1
6	Agreement between an Image-Based Dietary Assessment Method and a Written Food Diary among Adolescents with Type 1 Diabetes. <i>Nutrients</i> , 2021, 13, 1319.	1.7	7
7	Accumulation patterns of sedentary time and breaks and their association with cardiometabolic health markers in adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1489-1507.	1.3	18
8	Parental Factors Related to Physical Activity among Adolescent Men Living in Built and Natural Environment: A Population-Based MOPO Study. <i>Journal of Environmental and Public Health</i> , 2021, 2021, 1-9.	0.4	4
9	Leisure-time physical activity is associated with socio-economic status beyond income – Cross-sectional survey of the Northern Finland Birth Cohort 1966 study. <i>Economics and Human Biology</i> , 2021, 41, 100969.	0.7	12
10	The associations between adolescents' sports club participation and dietary habits. <i>Translational Sports Medicine</i> , 2021, 4, 617-626.	0.5	8
11	Physical activity from adolescence to young adulthood: patterns of change, and their associations with activity domains and sedentary time. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 85.	2.0	25
12	Association between accelerometer-measured physical activity, glucose metabolism, and waist circumference in older adults. <i>Diabetes Research and Clinical Practice</i> , 2021, 178, 108937.	1.1	3
13	Compositional Associations of Sleep and Activities within the 24-h Cycle with Cardiometabolic Health Markers in Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 324-332.	0.2	28
14	Association Between Vertebral Dimensions and Lumbar Modic Changes. <i>Spine</i> , 2021, 46, E415-E425.	1.0	5
15	Resting Electrocardiogram and Blood Pressure in Young Endurance and Nonendurance Athletes and Nonathletes. <i>Journal of Athletic Training</i> , 2021, 56, 484-490.	0.9	9
16	Evaluating and Enhancing the Generalization Performance of Machine Learning Models for Physical Activity Intensity Prediction From Raw Acceleration Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 27-38.	3.9	14
17	National trends in total cholesterol obscure heterogeneous changes in HDL and non-HDL cholesterol and total-to-HDL cholesterol ratio: a pooled analysis of 458 population-based studies in Asian and Western countries. <i>International Journal of Epidemiology</i> , 2020, 49, 173-192.	0.9	44
18	Association between device-measured physical activity and lumbar Modic changes. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 630.	0.8	2

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19	Correlates of physical activity behavior in adults: a data mining approach. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 94.	2.0	16
20	Haemoglobin, iron status and lung function of adolescents participating in organised sports in the Finnish Health Promoting Sports Club Study. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000804.	1.4	2
21	Satellite Imaging-Based Residential Greenness and Accelerometry Measured Physical Activity at Midlife—Population-Based Northern Finland Birth Cohort 1966 Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9202.	1.2	6
22	Chronotypes and objectively measured physical activity and sedentary time at midlife. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1930-1938.	1.3	26
23	Association between chronic diseases and falls among a sample of older people in Finland. <i>BMC Geriatrics</i> , 2020, 20, 225.	1.1	35
24	Screening everyday health information literacy among four populations. <i>Health Information and Libraries Journal</i> , 2020, 37, 192-203.	1.3	8
25	Health behaviours associated with video gaming in adolescent men: a cross-sectional population-based MOPO study. <i>BMC Public Health</i> , 2020, 20, 415.	1.2	12
26	Physical activity is associated with cardiac autonomic function in adolescent men. <i>PLoS ONE</i> , 2019, 14, e0222121.	1.1	16
27	Associations of fitness and physical activity with orthostatic responses of heart rate and blood pressure at midlife. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 874-885.	1.3	1
28	Acute and overuse injuries among sports club members and non-members: the Finnish Health Promoting Sports Club (FHPSC) study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 32.	0.8	7
29	Intensity and temporal patterns of physical activity and cardiovascular disease risk in midlife. <i>Preventive Medicine</i> , 2019, 124, 33-41.	1.6	27
30	Accelerometry-Based Characteristics of Overall Sedentary Behavior and Sitting in Middle-Aged Adults. <i>Measurement in Physical Education and Exercise Science</i> , 2019, 23, 249-257.	1.3	4
31	Prolonged bouts of sedentary time and cardiac autonomic function in midlife. <i>Translational Sports Medicine</i> , 2019, 2, 341-350.	0.5	9
32	Residential relocation trajectories and neighborhood density, mixed land use and access networks as predictors of walking and bicycling in the Northern Finland Birth Cohort 1966. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019, 16, 88.	2.0	12
33	Objectively Measured Physical Activity Is Associated with Vertebral Size in Midlife. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1606-1612.	0.2	9
34	Calibration and validation of accelerometer-based activity monitors: A systematic review of machine-learning approaches. <i>Gait and Posture</i> , 2019, 68, 285-299.	0.6	90
35	Perceived loneliness among home-dwelling older adults with and without memory disorder: A population-based study. <i>Nordic Journal of Nursing Research</i> , 2019, 39, 76-84.	0.6	2
36	The Built Environment as a Determinant of Physical Activity: A Systematic Review of Longitudinal Studies and Natural Experiments. <i>Annals of Behavioral Medicine</i> , 2018, 52, 239-251.	1.7	238

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37	Feasibility of mobile mental wellness training for older adults. <i>Geriatric Nursing</i> , 2018, 39, 499-505.	0.9	20
38	Gaming for health across various areas of life. , 2018, , .		2
39	Physical Activity, Residential Environment, and Nature Relatedness in Young Men—A Population-Based MOPO Study. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2322.	1.2	18
40	Musculoskeletal examination in young athletes and non-athletes: the Finnish Health Promoting Sports Club (FHPSC) study. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000376.	1.4	12
41	Å—MPSQ-Short Score and determinants of chronic pain: cross-sectional results from a middle-aged birth cohort. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2018, 54, 34-40.	1.1	9
42	Relationship Between Everyday Health Information Literacy and Attitudes Towards Mobile Technology Among Older People. <i>Communications in Computer and Information Science</i> , 2018, , 450-459.	0.4	7
43	Effect of tailored, gamified, mobile physical activity intervention on life satisfaction and self-rated health in young adolescent men: A population-based, randomized controlled trial (MOPO study). <i>Computers in Human Behavior</i> , 2017, 72, 13-22.	5.1	28
44	Association of Insulin and Cholesterol Levels With Peripheral Nervous System Function in Overweight Adults: A 3-Year Follow-up. <i>Journal of Clinical Neurophysiology</i> , 2017, 34, 492-496.	0.9	1
45	Fitness, Fatness, Physical Activity, and Autonomic Function in Midlife. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2459-2468.	0.2	30
46	Coachesâ€™ Health Promotion Activity and Substance Use in Youth Sports. <i>Societies</i> , 2017, 7, 4.	0.8	11
47	Computer game and wearable sensors based approach to promote physical activity for young men. , 2017, , .		1
48	High-impact exercise in adulthood and vertebral dimensions in midlife - the Northern Finland Birth Cohort 1966 study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 433.	0.8	14
49	Use of Information and Communication Technologies Among Older People With and Without Frailty: A Population-Based Survey. <i>Journal of Medical Internet Research</i> , 2017, 19, e29.	2.1	98
50	Feasibility of Gamified Mobile Service Aimed at Physical Activation in Young Men: Population-Based Randomized Controlled Study (MOPO). <i>JMIR MHealth and UHealth</i> , 2017, 5, e146.	1.8	32
51	Effects of Leisure-Time Physical Activity on Vertebral Dimensions in the Northern Finland Birth Cohort 1966. <i>Scientific Reports</i> , 2016, 6, 27844.	1.6	33
52	Opinions and use of mobile information technology among older people in northern finland - preliminary results of a population based study. <i>Proceedings of the Association for Information Science and Technology</i> , 2016, 53, 1-5.	0.3	5
53	Everyday health information literacy in relation to health behavior and physical fitness: A population-based study among young men. <i>Library and Information Science Research</i> , 2016, 38, 308-318.	1.2	16
54	Exercise capacity and mortality â€“ a follow-up study of 3033 subjects referred to clinical exercise testing. <i>Annals of Medicine</i> , 2016, 48, 359-366.	1.5	29

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55	Low back and neck and shoulder pain in members and non-members of adolescents'™ sports clubs: the Finnish Health Promoting Sports Club (FHPSC) study. BMC Musculoskeletal Disorders, 2016, 17, 263.	0.8	15
56	Lifelong Physical Activity and Cardiovascular Autonomic Function in Midlife. Medicine and Science in Sports and Exercise, 2016, 48, 1506-1513.	0.2	13
57	Disordered eating behavior, health and motives to exercise in young men: cross-sectional population-based MOPO study. BMC Public Health, 2016, 16, 483.	1.2	9
58	Everyday health information literacy among young men compared with adults with high risk for metabolic syndrome – a cross-sectional population-based study. Journal of Information Science, 2016, 42, 344-355.	2.0	25
59	Measuring Physical Activity in Free-Living Conditions – Comparison of Three Accelerometry-Based Methods. Frontiers in Physiology, 2016, 7, 681.	1.3	39
60	Physical Activity, Screen Time and Sleep among Youth Participating and Non-Participating in Organized Sports – The Finnish Health Promoting Sports Club (FHPSC) Study. Advances in Physical Education, 2016, 06, 378-388.	0.2	16
61	Software Design Principles for Digital Behavior Change Interventions - Lessons Learned from the MOPO Study. , 2016, , .		2
62	Health information literacy and stage of change in relation to physical activity information seeking and avoidance: A population-based study among young men. Proceedings of the Association for Information Science and Technology, 2015, 52, 1-11.	0.3	13
63	Effect of wrist-worn activity monitor feedback on physical activity behavior: A randomized controlled trial in Finnish young men. Preventive Medicine Reports, 2015, 2, 628-634.	0.8	52
64	Profiles of sedentary and non-sedentary young men – a population-based MOPO study. BMC Public Health, 2015, 15, 1164.	1.2	13
65	Health promotion activities of sports clubs and coaches, and health and health behaviours in youth participating in sports clubs: the Health Promoting Sports Club study. BMJ Open Sport and Exercise Medicine, 2015, 1, e000034.	1.4	31
66	Lifestyle intervention has a beneficial effect on eating behavior and long-term weight loss in obese adults. Eating Behaviors, 2015, 18, 179-185.	1.1	53
67	Individual Factors Affecting Preferences for Feedback Message Tactics in the Contexts of Physical Activity. Journal of Health Communication, 2015, 20, 220-229.	1.2	7
68	Sensitivity and False Alarm Rate of a Fall Sensor in Long-Term Fall Detection in the Elderly. Gerontology, 2015, 61, 61-68.	1.4	12,584
69	Gamified Persuasion. International Journal of Sociotechnology and Knowledge Development, 2014, 6, 1-17.	0.4	5
70	Fall detection in the older people: from laboratory to real-life. Proceedings of the Estonian Academy of Sciences, 2014, 63, 253.	0.9	20
71	Detecting and profiling sedentary young men using machine learning algorithms. , 2014, , .		6
72	Association between low-frequency ultrasound and hip fractures – comparison with DXA-based BMD. BMC Musculoskeletal Disorders, 2014, 15, 208.	0.8	6

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73	Assessment of Risk of Femoral Neck Fracture with Radiographic Texture Parameters: A Retrospective Study. <i>Radiology</i> , 2014, 272, 184-191.	3.6	31
74	Body mass index is associated with lumbar disc degeneration in young Finnish males: subsample of Northern Finland birth cohort study 1986. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 87.	0.8	39
75	Gamified physical activation of young men – a Multidisciplinary Population-Based Randomized Controlled Trial (MOPO study). <i>BMC Public Health</i> , 2013, 13, 32.	1.2	41
76	Association Between Overweight and Low Back Pain. <i>Spine</i> , 2013, 38, 1026-1033.	1.0	30
77	Association of Abdominal Obesity with Lumbar Disc Degeneration – A Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2013, 8, e56244.	1.1	81
78	Physical activity and fitness in 8-year-old overweight and normal weight children and their parents. <i>International Journal of Circumpolar Health</i> , 2012, 71, 17621.	0.5	23
79	Comparison of real-life accidental falls in older people with experimental falls in middle-aged test subjects. <i>Gait and Posture</i> , 2012, 35, 500-505.	0.6	111
80	Information behavior in stages of exercise behavior change. <i>Journal of the Association for Information Science and Technology</i> , 2012, 63, 1804-1819.	2.6	26
81	Lifestyle factors and site-specific risk of hip fracture in community dwelling older women – a 13-year prospective population-based cohort study. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 173.	0.8	25
82	Measurement of osteogenic exercise – how to interpret accelerometric data?. <i>Frontiers in Physiology</i> , 2011, 2, 73.	1.3	12
83	Assessment of Association Between Low Back Pain and Paraspinal Muscle Atrophy Using Opposed-Phase Magnetic Resonance Imaging. <i>Spine</i> , 2011, 36, 1961-1968.	1.0	79
84	Parental predictors of fruit and vegetable consumption in treatment-seeking overweight children. <i>Journal of Human Nutrition and Dietetics</i> , 2011, 24, 47-53.	1.3	27
85	Recurrent falls and mortality in Parkinson’s disease: a prospective two-year follow-up study. <i>Acta Neurologica Scandinavica</i> , 2011, 123, 193-200.	1.0	68
86	Exercise and Fitness Are Related to Peripheral Nervous System Function in Overweight Adults. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1241-1245.	0.2	3
87	Long-term Outcomes of Exercise. <i>Archives of Internal Medicine</i> , 2010, 170, 1548-56.	4.3	50
88	Risk Factors for Cervical and Trochanteric Hip Fractures in Elderly Women: A Population-Based 10-Year Follow-Up Study. <i>Calcified Tissue International</i> , 2010, 87, 44-51.	1.5	38
89	Effect of office-based brief high-impact exercise on bone mineral density in healthy premenopausal women: the Sendai Bone Health Concept Study. <i>Journal of Bone and Mineral Metabolism</i> , 2010, 28, 568-577.	1.3	36
90	Daily impact score in long-term acceleration measurements of exercise. <i>Journal of Biomechanics</i> , 2010, 43, 1960-1964.	0.9	34

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91	Association of lumbar arterial stenosis with low back symptoms: A cross-sectional study using two-dimensional time-of-flight magnetic resonance angiography. <i>Acta Radiologica</i> , 2009, 50, 48-54.	0.5	17
92	Time-course of exercise and its association with 12-month bone changes. <i>BMC Musculoskeletal Disorders</i> , 2009, 10, 138.	0.8	14
93	Orthostatic hypotension, balance and falls in Parkinson's disease. <i>Movement Disorders</i> , 2009, 24, 745-751.	2.2	65
94	Association of lumbar artery narrowing, degenerative changes in disc and endplate and apparent diffusion in disc on postcontrast enhancement of lumbar intervertebral disc. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 101-109.	1.1	12
95	Effect of impact exercise on bone metabolism. <i>Osteoporosis International</i> , 2009, 20, 1725-1733.	1.3	38
96	High insulin levels are positively associated with peripheral nervous system function. <i>Acta Neurologica Scandinavica</i> , 2009, 119, 107-112.	1.0	3
97	Mobility and balance in Parkinson's disease: a population-based study. <i>European Journal of Neurology</i> , 2009, 16, 105-111.	1.7	48
98	Association between visual degeneration of intervertebral discs and the apparent diffusion coefficient. <i>Magnetic Resonance Imaging</i> , 2009, 27, 641-647.	1.0	40
99	Lifestyle risk factors for obesity in 7-year-old children. <i>Obesity Research and Clinical Practice</i> , 2009, 3, 99-107.	0.8	25
100	Reproducibility and Reference Values of Inclinometric Balance and Isometric Trunk Muscle Strength Measurements in Finnish Young Adults. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1618-1626.	1.0	15
101	Are the determinants of vertebral endplate changes and severe disc degeneration in the lumbar spine the same? A magnetic resonance imaging study in middle-aged male workers. <i>BMC Musculoskeletal Disorders</i> , 2008, 9, 51.	0.8	66
102	Genetic Factors Are Associated With Modic Changes in Endplates of Lumbar Vertebral Bodies. <i>Spine</i> , 2008, 33, 1236-1241.	1.0	60
103	Isometric Trunk Muscle Strength and Body Sway in Relation to Low Back Pain in Young Adults. <i>Spine</i> , 2008, 33, E435-E441.	1.0	32
104	Effect of Impact Exercise on Physical Performance and Cardiovascular Risk Factors. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 756-763.	0.2	33
105	Modic Changes in Endplates of Lumbar Vertebral Bodies. <i>Spine</i> , 2007, 32, 1116-1122.	1.0	225
106	Effect of impact exercise and its intensity on bone geometry at weight-bearing tibia and femur. <i>Bone</i> , 2007, 40, 604-611.	1.4	117
107	Postural sway and falls in Parkinson's disease: A regression approach. <i>Movement Disorders</i> , 2007, 22, 1927-1935.	2.2	76
108	Acceleration slope of exercise-induced impacts is a determinant of changes in bone density. <i>Journal of Biomechanics</i> , 2007, 40, 2967-2974.	0.9	45

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109	Effect of daily physical activity on proximal femur. <i>Clinical Biomechanics</i> , 2006, 21, 1-7.	0.5	70
110	Lifelong risk factors for osteoporosis and fractures in elderly women with low body mass index – A population-based study. <i>Bone</i> , 2006, 39, 385-391.	1.4	69
111	Association between the strain rate of exercise-induced impacts and changes in bone density. <i>Journal of Biomechanics</i> , 2006, 39, S22.	0.9	1
112	Effect of Exercise on Extraskeletal Risk Factors for Hip Fractures in Elderly Women With Low BMD: A Population-Based Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 772-779.	3.1	49
113	Intensity of exercise is associated with bone density change in premenopausal women. <i>Osteoporosis International</i> , 2006, 17, 455-463.	1.3	154
114	Effect of impact exercise on bone mineral density in elderly women with low BMD: a population-based randomized controlled 30-month intervention. <i>Osteoporosis International</i> , 2006, 17, 109-118.	1.3	147
115	Effects of high-impact exercise on bone mineral density: a randomized controlled trial in premenopausal women. <i>Osteoporosis International</i> , 2005, 16, 191-197.	1.3	146
116	Reliability of an inclinometric method for assessment of body sway. <i>Technology and Health Care</i> , 2005, 13, 115-124.	0.5	5
117	Lifestyle factors are associated with osteoporosis in lean women but not in normal and overweight women: a population-based cohort study of 1222 women. <i>Osteoporosis International</i> , 2003, 14, 34-43.	1.3	94
118	Risk Factors for Recurrent Stress Fractures in Athletes. <i>American Journal of Sports Medicine</i> , 2001, 29, 304-310.	1.9	299
119	Ruptures of the Achilles Tendon: Relationship to Inequality in Length of Legs and to Patterns in the Foot and Ankle. <i>Foot and Ankle International</i> , 1998, 19, 683-687.	1.1	20