

Ari Heinonen

List of Publications by Year in descending order

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Version: 2024-02-01

220
papers

12,787
citations

22099

59
h-index

28224

105
g-index

227
all docs

227
docs citations

227
times ranked

9446
citing authors

#	ARTICLE	IF	CITATIONS
1	Epidemiology of hip fractures. <i>Bone</i> , 1996, 18, S57-S63.	1.4	622
2	Effect of Starting Age of Physical Activity on Bone Mass in the Dominant Arm of Tennis and Squash Players. <i>Annals of Internal Medicine</i> , 1995, 123, 27.	2.0	610
3	Randomised controlled trial of effect of high-impact exercise on selected risk factors for osteoporotic fractures. <i>Lancet, The</i> , 1996, 348, 1343-1347.	6.3	405
4	Bone mineral density in female athletes representing sports with different loading characteristics of the skeleton. <i>Bone</i> , 1995, 17, 197-203.	1.4	382
5	Targeted exercise against osteoporosis: A systematic review and meta-analysis for optimising bone strength throughout life. <i>BMC Medicine</i> , 2010, 8, 47.	2.3	350
6	Shifting the focus in fracture prevention from osteoporosis to falls. <i>BMJ: British Medical Journal</i> , 2008, 336, 124-126.	2.4	331
7	A Randomized School-Based Jumping Intervention Confers Site and Maturity-Specific Benefits on Bone Structural Properties in Girls: A Hip Structural Analysis Study. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 363-372.	3.1	290
8	High-Impact Exercise and Bones of Growing Girls: A 9-Month Controlled Trial. <i>Osteoporosis International</i> , 2001, 11, 1010-1017.	1.3	269
9	Effect of Long-Term Unilateral Activity on Bone Mineral Density of Female Junior Tennis Players. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 310-319.	3.1	258
10	Health benefits of different sport disciplines for adults: systematic review of observational and intervention studies with meta-analysis. <i>British Journal of Sports Medicine</i> , 2015, 49, 434-440.	3.1	234
11	Peripheral Quantitative Computed Tomography in Human Long Bones: Evaluation of In Vitro and In Vivo Precision. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 871-882.	3.1	232
12	Femoral Neck Structure in Adult Female Athletes Subjected to Different Loading Modalities. <i>Journal of Bone and Mineral Research</i> , 2004, 20, 520-528.	3.1	211
13	Effects of unilateral strength training and detraining on bone mineral density and content in young women: A study of mechanical loading and unloading on human bones. <i>Calcified Tissue International</i> , 1994, 55, 59-67.	1.5	184
14	Dimensions and estimated mechanical characteristics of the humerus after long-term tennis loading. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 864-872.	3.1	183
15	Loading modalities and bone structures at nonweight-bearing upper extremity and weight-bearing lower extremity: a pQCT study of adult female athletes. <i>Bone</i> , 2006, 39, 886-894.	1.4	177
16	Bone mineral density of female athletes in different sports. <i>Bone and Mineral</i> , 1993, 23, 1-14.	2.0	172
17	Transmission of Vertical Whole Body Vibration to the Human Body. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1318-1325.	3.1	172
18	A multi-component exercise regimen to prevent functional decline and bone fragility in home-dwelling elderly women: randomized, controlled trial. <i>Osteoporosis International</i> , 2007, 18, 453-462.	1.3	165

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19	Too Fit To Fracture: exercise recommendations for individuals with osteoporosis or osteoporotic vertebral fracture. <i>Osteoporosis International</i> , 2014, 25, 821-835.	1.3	164
20	Effect of alendronate and exercise on bone and physical performance of postmenopausal women: a randomized controlled trial. <i>Bone</i> , 2003, 33, 132-143.	1.4	162
21	Long-term unilateral loading and bone mineral density and content in female squash players. <i>Calcified Tissue International</i> , 1994, 54, 249-255.	1.5	158
22	Good Maintenance of Exercise-Induced Bone Gain with Decreased Training of Female Tennis and Squash Players: A Prospective 5-Year Follow-Up Study of Young and Old Starters and Controls. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 195-201.	3.1	155
23	Changes in bone mineral content with decreased training in competitive young adult tennis players and controls: a prospective 4-yr follow-up. <i>Medicine and Science in Sports and Exercise</i> , 1999, 31, 646-652.	0.2	140
24	Estimation of various mechanical characteristics of human bones during dual energy x-ray absorptiometry: methodology and precision. <i>Bone</i> , 1996, 18, S17-S27.	1.4	131
25	Effects of physiotherapy interventions on balance in multiple sclerosis: A systematic review and meta-analysis of randomized controlled trials. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 811-823.	0.8	128
26	Serum TRACP 5b Is a Useful Marker for Monitoring Alendronate Treatment: Comparison With Other Markers of Bone Turnover. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1804-1812.	3.1	120
27	Site-Specific Skeletal Response to Long-Term Weight Training Seems to be Attributable to Principal Loading Modality: A pQCT Study of Female Weightlifters. <i>Calcified Tissue International</i> , 2002, 70, 469-474.	1.5	119
28	Mineral mass, size, and estimated mechanical strength of triple jumpers' lower limb. <i>Bone</i> , 2001, 29, 279-285.	1.4	118
29	Knee Extension Strength Is a Significant Determinant of Static and Dynamic Balance as Well as Quality of Life in Older Community-Dwelling Women with Osteoporosis. <i>Gerontology</i> , 2002, 48, 360-368.	1.4	108
30	Interventions to Prevent Sports Related Injuries: A Systematic Review and Meta-Analysis of Randomised Controlled Trials. <i>Sports Medicine</i> , 2014, 44, 473-486.	3.1	107
31	Construct and Predictive Validity of a Self-Reported Measure of Preclinical Mobility Limitation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007, 88, 1108-1113.	0.5	106
32	Effects of unilateral strength training and detraining on bone mineral mass and estimated mechanical characteristics of the upper limb bones in young women. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 490-501.	3.1	105
33	Targeted exercises against hip fragility. <i>Osteoporosis International</i> , 2009, 20, 1321-1328.	1.3	101
34	Associations of Physical Activity and Calcium Intake with Bone Mass and Size in Healthy Women at Different Ages. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 133-142.	3.1	99
35	Effect of Two Training Regimens on Bone Mineral Density in Healthy Perimenopausal Women: A Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 483-490.	3.1	99
36	Both Resistance and Agility Training Increase Cortical Bone Density in 75- to 85-Year-Old Women With Low Bone Mass. <i>Journal of Clinical Densitometry</i> , 2004, 7, 390-398.	0.5	99

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37	Cross-sectional geometry of weight-bearing tibia in female athletes subjected to different exercise loadings. <i>Osteoporosis International</i> , 2010, 21, 1687-1694.	1.3	99
38	Type of sport is related to injury profile: A study on cross country skiers, swimmers, long-distance runners and soccer players. A retrospective 12-month study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, 384-393.	1.3	93
39	Results of a 10 week community based strength and balance training programme to reduce fall risk factors: a randomised controlled trial in 65-75 year old women with osteoporosis. <i>British Journal of Sports Medicine</i> , 2001, 35, 348-351.	3.1	91
40	Effectiveness of constraint-induced movement therapy on activity and participation after stroke: a systematic review and meta-analysis of randomized controlled trials. <i>Clinical Rehabilitation</i> , 2012, 26, 209-223.	1.0	90
41	Untreated Scheuermann's disease: a 37-year follow-up study. <i>European Spine Journal</i> , 2012, 21, 819-824.	1.0	90
42	A cruciate ligament injury produces considerable, permanent osteoporosis in the affected knee. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 1429-1434.	3.1	89
43	Prevention of Sports Injuries. <i>Archives of Internal Medicine</i> , 2007, 167, 1585.	4.3	88
44	Development of mass, density, and estimated mechanical characteristics of bones in caucasian females. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1751-1760.	3.1	88
45	Too Fit To Fracture: outcomes of a Delphi consensus process on physical activity and exercise recommendations for adults with osteoporosis with or without vertebral fractures. <i>Osteoporosis International</i> , 2015, 26, 891-910.	1.3	88
46	Randomized Controlled Study of Effects of Sudden Impact Loading on Rat Femur. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1475-1482.	3.1	87
47	Ground reaction forces associated with an effective elementary school based jumping intervention. <i>British Journal of Sports Medicine</i> , 2005, 39, 10-14.	3.1	85
48	Muscle Deficits Persist After Unilateral Knee Replacement and Have Implications for Rehabilitation. <i>Physical Therapy</i> , 2009, 89, 1072-1079.	1.1	82
49	Reproducibility of computer measurement of maximal isometric strength and electromyography in sedentary middle-aged women. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 68, 310-314.	1.2	79
50	Orthopaedic manual therapy, McKenzie method or advice only for low back pain in working adults: A randomized controlled trial with one year follow-up. <i>Journal of Rehabilitation Medicine</i> , 2008, 40, 858-863.	0.8	76
51	Factors Predicting Dynamic Balance and Quality of Life in Home-Dwelling Elderly Women. <i>Gerontology</i> , 2005, 51, 116-121.	1.4	73
52	Reproducibility of imaging human knee cartilage by delayed gadolinium-enhanced MRI of cartilage (dGEMRIC) at 1.5 Tesla. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 559-564.	0.6	73
53	Physiological effects of walking and cycling to work. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 1991, 1, 151-157.	1.3	72
54	A rotator cuff rupture produces permanent osteoporosis in the affected extremity, but not in those with whom shoulder function has returned to normal. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1263-1271.	3.1	71

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55	Which muscles compromise human locomotor performance with age?. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140858.	1.5	70
56	Dose-Response Relationship of Specific Training to Reduce Chronic Neck Pain and Disability. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 2068-2074.	0.2	69
57	Effect of Therapeutic Aquatic Exercise on Symptoms and Function Associated With Lower Limb Osteoarthritis: Systematic Review With Meta-Analysis. <i>Physical Therapy</i> , 2014, 94, 1383-1395.	1.1	67
58	Good Maintenance of High-Impact Activity-Induced Bone Gain by Voluntary, Unsupervised Exercises: An 8-Month Follow-up of a Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 125-128.	3.1	66
59	Exercise therapy for functional capacity in chronic diseases: an overview of meta-analyses of randomised controlled trials. <i>British Journal of Sports Medicine</i> , 2017, 51, 1459-1465.	3.1	64
60	Why Is the Age-Standardized Incidence of Low-Trauma Fractures Rising in Many Elderly Populations?. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 1363-1367.	3.1	63
61	EXPLORING THE POLITICAL-ECONOMIC FACTORS OF PARTICIPATORY JOURNALISM. <i>Journalism Practice</i> , 2010, 4, 285-296.	1.5	63
62	Effects of Aquatic Resistance Training on Mobility Limitation and Lower-Limb Impairments After Knee Replacement. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 833-839.	0.5	63
63	Adaptation of bone to altered loading environment: a biomechanical approach using x-ray absorptiometric data from the patella of a young woman. <i>Bone</i> , 1996, 19, 55-59.	1.4	61
64	Biomechanical loading in the triple jump. <i>Journal of Sports Sciences</i> , 2000, 18, 363-370.	1.0	61
65	Direction-Specific Diaphyseal Geometry and Mineral Mass Distribution of Tibia and Fibula: A pQCT Study of Female Athletes Representing Different Exercise Loading Types. <i>Calcified Tissue International</i> , 2010, 86, 447-454.	1.5	61
66	Effects of high intensity resistance aquatic training on body composition and walking speed in women with mild knee osteoarthritis: a 4-month RCT with 12-month follow-up. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1238-1246.	0.6	60
67	Effects of Resistance Training on Lower-Extremity Impairments in Older People With Hip Fracture. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1667-1674.	0.5	59
68	Maintenance of exercise-induced benefits in physical functioning and bone among elderly women. <i>Osteoporosis International</i> , 2009, 20, 665-674.	1.3	59
69	Bone mineral density and muscle strength of lower extremities after long-term strength training, subsequent knee ligament injury and rehabilitation: A unique 2-year follow-up of a 26-year-old female student. <i>Bone</i> , 1994, 15, 85-90.	1.4	57
70	Does Previous Participation in High-Impact Training Result in Residual Bone Gain in Growing Girls?. <i>International Journal of Sports Medicine</i> , 2002, 23, 575-581.	0.8	57
71	Flexible multibody simulation approach in the analysis of tibial strain during walking. <i>Journal of Biomechanics</i> , 2008, 41, 1036-1043.	0.9	57
72	Effects of a Home-Based Physical Rehabilitation Program on Physical Disability After Hip Fracture: A Randomized Controlled Trial. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 350.e1-350.e7.	1.2	57

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73	Effects of High-Impact Training on Bone and Articular Cartilage: 12-Month Randomized Controlled Quantitative MRI Study. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 192-201.	3.1	55
74	Efficacy of progressive aquatic resistance training for tibiofemoral cartilage in postmenopausal women with mild knee osteoarthritis: a randomised controlled trial. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1708-1717.	0.6	53
75	Community-based exercise program reduces risk factors for falls in 65- to 75-year-old women with osteoporosis: randomized controlled trial. <i>Cmaj</i> , 2002, 167, 997-1004.	0.9	53
76	Differential Effects of Exercise on Tibial Shaft Marrow Density in Young Female Athletes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 2037-2044.	1.8	52
77	Muscle cross-sectional area is associated with specific site of bone in prepubertal girls: a quantitative magnetic resonance imaging study. <i>Bone</i> , 2001, 29, 388-392.	1.4	51
78	High ankle injury rate in adolescent basketball: A 3-year prospective follow-up study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 643-649.	1.3	49
79	Exercise loading and cortical bone distribution at the tibial shaft. <i>Bone</i> , 2011, 48, 786-791.	1.4	47
80	Former exercisers of an 18-month intervention display residual aBMD benefits compared with control women 3.5 years post-intervention: a follow-up of a randomized controlled high-impact trial. <i>Osteoporosis International</i> , 2004, 15, 248-251.	1.3	46
81	Long-Term Leisure Time Physical Activity and Properties of Bone: A Twin Study. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1427-1433.	3.1	46
82	Sport injuries as the main cause of sport career termination among Finnish top-level athletes. <i>European Journal of Sport Science</i> , 2012, 12, 274-282.	1.4	45
83	Long-Term Recreational Gymnastics, Estrogen Use, and Selected Risk Factors for Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1231-1238.	3.1	44
84	Combined resistance and balance-jumping exercise reduces older women's injurious falls and fractures: 5-year follow-up study. <i>Age and Ageing</i> , 2015, 44, 784-789.	0.7	44
85	Association between weight cycling history and bone mineral density in premenopausal women. <i>Osteoporosis International</i> , 1997, 7, 354-358.	1.3	43
86	Evidence for the effectiveness of walking training on walking and self-care after stroke: A systematic review and meta-analysis of randomized controlled trials. <i>Journal of Rehabilitation Medicine</i> , 2014, 46, 387-399.	0.8	43
87	Walking Recovery after a Hip Fracture: A Prospective Follow-Up Study among Community-Dwelling over 60-Year Old Men and Women. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	41
88	Outdoor and indoor falls as predictors of mobility limitation in older women. <i>Age and Ageing</i> , 2009, 38, 757-761.	0.7	40
89	Relationship between ventilatory function and age in master athletes and a sedentary reference population. <i>Age</i> , 2013, 35, 1007-1015.	3.0	39
90	Association between frontal plane knee control and lower extremity injuries: a prospective study on young team sport athletes. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000311.	1.4	38

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91	An open source approach for regional cortical bone mineral density analysis. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2011, 11, 243-8.	0.1	38
92	Effectiveness of technology-based distance physical rehabilitation interventions on physical activity and walking in multiple sclerosis: a systematic review and meta-analysis of randomized controlled trials. <i>Disability and Rehabilitation</i> , 2018, 40, 373-387.	0.9	37
93	The effect of aquatic exercise on physical functioning in the older adult: a systematic review with meta-analysis. <i>Age and Ageing</i> , 2016, 45, 594-602.	0.7	36
94	Long-term Effect of Physical Activity Counseling on Mobility Limitation Among Older People: A Randomized Controlled Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 83-89.	1.7	35
95	Neuromuscular performance and bone structural characteristics in young healthy men and women. <i>European Journal of Applied Physiology</i> , 2007, 102, 215-222.	1.2	34
96	Walking and Running Require Greater Effort from the Ankle than the Knee Extensor Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2181-2189.	0.2	34
97	Gender differences in sport injury risk and types of injuries: a retrospective twelve-month study on cross-country skiers, swimmers, long-distance runners and soccer players. <i>Journal of Sports Science and Medicine</i> , 2009, 8, 443-51.	0.7	34
98	Genetic and Environmental Influence on Structural Strength of Weight-Bearing and Non-Weight-Bearing Bone: A Twin Study. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 492-498.	3.1	31
99	Too Fit To Fracture: a consensus on future research priorities in osteoporosis and exercise. <i>Osteoporosis International</i> , 2014, 25, 1465-1472.	1.3	31
100	Epidemiology of Overuse Injuries in Youth Team Sports: A 3-year Prospective Study. <i>International Journal of Sports Medicine</i> , 2017, 38, 847-856.	0.8	31
101	From "Non-encounters" to autonomic agency. Conceptions of patients with low back pain about their encounters in the health care system. <i>Musculoskeletal Care</i> , 2018, 16, 269-277.	0.6	31
102	Vitamin D Receptor Alleles and Bone's Response to Physical Activity. <i>Calcified Tissue International</i> , 1998, 62, 413-417.	1.5	30
103	Effectiveness of technology-based distance interventions promoting physical activity: Systematic review, meta-analysis and meta-regression. <i>Journal of Rehabilitation Medicine</i> , 2017, 49, 97-105.	0.8	30
104	Predictors of lower extremity injuries in team sports (PROFITS-study): a study protocol. <i>BMJ Open Sport and Exercise Medicine</i> , 2015, 1, e000076.	1.4	29
105	Effects of Exercise on Patellar Cartilage in Women with Mild Knee Osteoarthritis. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1767-1774.	0.2	29
106	Low Back Pain in Young Basketball and Floorball Players. <i>Clinical Journal of Sport Medicine</i> , 2016, 26, 376-380.	0.9	29
107	Load-specific differences in the structure of femoral neck and tibia between world-class moguls skiers and slalom skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2008, 18, 145-153.	1.3	28
108	Tibial and Fibular Mid-Shaft Bone Traits in Young and Older Sprinters and Non-Athletic Men. <i>Calcified Tissue International</i> , 2014, 95, 132-140.	1.5	28

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109	Associations of hormone replacement therapy with bone structure and physical performance among postmenopausal women†. <i>Bone</i> , 2003, 32, 704-710.	1.4	27
110	Self-reported preclinical mobility limitation and fall history as predictors of future falls in older women: prospective cohort study. <i>Osteoporosis International</i> , 2010, 21, 689-693.	1.3	27
111	Neuromuscular performance and body mass as indices of bone loading in premenopausal and postmenopausal women. <i>Bone</i> , 2010, 46, 964-969.	1.4	27
112	Promoting mobility after hip fracture (ProMo): study protocol and selected baseline results of a year-long randomized controlled trial among community-dwelling older people. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 277.	0.8	27
113	Flexible multibody approach in forward dynamic simulation of locomotive strains in human skeleton with a flexible lower body bones. <i>Multibody System Dynamics</i> , 2011, 25, 395-409.	1.7	27
114	Effectiveness of physical activity promoting technology-based distance interventions compared to usual care. Systematic review, meta-analysis and meta-regression. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 953-967.	1.1	27
115	Relations between subdomains of physical activity, sedentary lifestyle, and quality of life in young adult men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1389-1396.	1.3	27
116	Long-term recreational gymnastics provides a clear benefit in age-related functional decline and bone loss. A prospective 6-year study. <i>Osteoporosis International</i> , 2006, 17, 1154-1164.	1.3	26
117	Maintenance of Aquatic Training-Induced Benefits on Mobility and Lower-Extremity Muscles Among Persons With Unilateral Knee Replacement. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1944-1950.	0.5	26
118	Bone Density, Structure and Strength, and Their Determinants in Aging Sprint Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2340-2349.	0.2	26
119	Effects of a progressive aquatic resistance exercise program on the biochemical composition and morphology of cartilage in women with mild knee osteoarthritis: protocol for a randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 82.	0.8	26
120	Impaired geometric properties of tibia in older women with hip fracture history. <i>Osteoporosis International</i> , 2007, 18, 1083-1090.	1.3	24
121	Health-related quality of life and physical activity in persons at high risk for type 2 diabetes. <i>Disability and Rehabilitation</i> , 2009, 31, 799-805.	0.9	24
122	Knee Extensor and Flexor Muscle Power Explains Stair Ascension Time in Patients With Unilateral Late-Stage Knee Osteoarthritis: A Cross-Sectional Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 253-259.	0.5	24
123	Effectiveness of Technology-Based Distance Physical Rehabilitation Interventions for Improving Physical Functioning in Stroke: A Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1339-1358.	0.5	24
124	Impact Experiments of an External Hip Protector in Young Volunteers. <i>Calcified Tissue International</i> , 1997, 60, 354-357.	1.5	23
125	Determinants of changes in bone mass and femoral neck structure, and physical performance after menopause: a 9-year follow-up of initially peri-menopausal women. <i>Osteoporosis International</i> , 2005, 16, 616-622.	1.3	23
126	Bone rigidity to neuromuscular performance ratio in young and elderly men. <i>Bone</i> , 2009, 45, 956-963.	1.4	23

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127	Relationships of leisure-time physical activity and work ability between different occupational physical demands in adult working men. <i>International Archives of Occupational and Environmental Health</i> , 2019, 92, 739-746.	1.1	23
128	Side-to-side differences in bone strength in master jumpers and sprinters. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2011, 11, 298-305.	0.1	23
129	Disproportionate, Age-Related Bone Loss in Long Bone Ends: A Structural Analysis Based on Dual-Energy X-ray Absorptiometry. <i>Osteoporosis International</i> , 1999, 10, 295-302.	1.3	22
130	Analysis of dynamic strains in tibia during human locomotion based on flexible multibody approach integrated with magnetic resonance imaging technique. <i>Multibody System Dynamics</i> , 2008, 20, 287-306.	1.7	21
131	Muscle Cross-Sectional Area and Structural Bone Strength Share Genetic and Environmental Effects in Older Women. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 338-345.	3.1	21
132	Effects of High-Impact Training and Detraining on Femoral Neck Structure in Premenopausal Women: A Hip Structural Analysis of an 18-Month Randomized Controlled Exercise Intervention with 3.5-Year Follow-Up. <i>Physiotherapy Canada</i> <i>Physiotherapie Canada</i> , 2012, 64, 98-105.	0.3	21
133	Effects of Exercise on Health-Related Quality of Life and Fear of Falling in Home-Dwelling Older Women. <i>Journal of Aging and Physical Activity</i> , 2012, 20, 198-214.	0.5	21
134	Acute injuries in Finnish junior floorball league players. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 268-273.	0.6	21
135	Physical Activity Is Related with Cartilage Quality in Women with Knee Osteoarthritis. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1323-1330.	0.2	20
136	Short-term bone biochemical response to a single bout of high-impact exercise. <i>Journal of Sports Science and Medicine</i> , 2009, 8, 553-9.	0.7	20
137	Lower-Limb Pain, Disease, and Injury Burden as Determinants of Muscle Strength Deficit After Hip Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 1720-1728.	1.4	19
138	Effects of progressive resistance training on physical disability among older community-dwelling people with history of hip fracture. <i>Aging Clinical and Experimental Research</i> , 2012, 24, 171-175.	1.4	19
139	Effects of intensive strength-power training on sense of coherence among 60-85-year-old people with hip fracture: a randomized controlled trial. <i>Aging Clinical and Experimental Research</i> , 2012, 24, 295-299.	1.4	18
140	Effects of a 20-week high-intensity strength and sprint training program on tibial bone structure and strength in middle-aged and older male sprint athletes: a randomized controlled trial. <i>Osteoporosis International</i> , 2017, 28, 2663-2673.	1.3	18
141	Effect of progressive high-impact exercise on femoral neck structural strength in postmenopausal women with mild knee osteoarthritis: a 12-month RCT. <i>Osteoporosis International</i> , 2017, 28, 1323-1333.	1.3	18
142	Three-month bilateral hopping intervention is ineffective in initiating bone biomarker response in healthy elderly men. <i>European Journal of Applied Physiology</i> , 2011, 111, 2155-2162.	1.2	17
143	Diffusion Capacity of the Lung in Young and Old Endurance Athletes. <i>International Journal of Sports Medicine</i> , 2013, 34, 1051-1057.	0.8	17
144	Minimal clinically important difference and minimal detectable change of the World Health Organization Disability Assessment Schedule 2.0 (WHODAS 2.0) amongst patients with chronic musculoskeletal pain. <i>Clinical Rehabilitation</i> , 2020, 34, 1506-1511.	1.0	17

#	ARTICLE	IF	CITATIONS
145	Effectiveness of Exergame Intervention on Walking in Older Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Physical Therapy</i> , 2021, 101, .	1.1	16
146	Outcome comparison among working adults with centralizing low back pain: Secondary analysis of a randomized controlled trial with 1-year follow-up. <i>Advances in Physiotherapy</i> , 2009, 11, 210-217.	0.2	15
147	Absence of an aging-related increase in fiber type grouping in athletes and non-athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2057-2069.	1.3	15
148	Urinary Osteocalcin Is a Useful Marker for Monitoring the Effect of Alendronate Therapy. <i>Clinical Chemistry</i> , 2005, 51, 2362-2365.	1.5	14
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150	Incidence and risk factors for back pain in young floorball and basketball players: A Prospective study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2407-2415.	1.3	14
151	Altered hip control during a standing knee-lift test is associated with increased risk of knee injuries. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 922-931.	1.3	14
152	Effects of progressive aquatic resistance training on symptoms and quality of life in women with knee osteoarthritis: A secondary analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1064-1072.	1.3	14
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157	Sense of Coherence: Effect on Adherence and Response to Resistance Training in Older People With Hip Fracture History. <i>Journal of Aging and Physical Activity</i> , 2014, 22, 138-145.	0.5	12
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159	Progression of untreated mild thoracic Scheuermann's kyphosis—Radiographic and functional assessment after mean follow-up of 46 years. <i>Journal of Orthopaedic Science</i> , 2017, 22, 652-657.	0.5	12
160	Bone and cartilage characteristics in postmenopausal women with mild knee radiographic osteoarthritis and those without radiographic osteoarthritis. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2015, 15, 69-77.	0.1	12
161	Training-related risk factors in the etiology of overuse injuries in endurance sports. <i>Journal of Sports Medicine and Physical Fitness</i> , 2014, 54, 78-87.	0.4	12
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165	Declining Physical Performance Associates with Serum FasL, miR-21, and miR-146a in Aging Sprinters. <i>BioMed Research International</i> , 2017, 2017, 1-14.	0.9	11
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178	Evaluation of Required Motor Abilities in Commonly Practiced Exercise Modes and Potential Training Effects Among Adults. <i>Journal of Physical Activity and Health</i> , 2007, 4, 203-214.	1.0	6
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185	LOW BACK PAIN IN YOUNG TEAM SPORT PLAYERS: A RETROSPECTIVE STUDY. <i>British Journal of Sports Medicine</i> , 2014, 48, 651.1-651.	3.1	4
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218	5â€œ...Frontal plane femoral adduction during single-leg landing and low back pain in young athletes: a prospective profits cohort study. , 2019, , .		0
219	Relationship between physical activity and predicted home presenteeism among participants with depressive symptoms with and without clinical depression. Findings from Finnish Depression and Metabolic Syndrome in Adults (FDMSA) study. <i>European Journal of Psychiatry</i> , 2021, 35, 75-82.	0.7	0
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