Harri Suominen

List of Publications by Year in descending order

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70	4,133	101543	114465
papers	citations	36 h-index	63 g-index

72	72	72	4204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tartrate-Resistant Acid Phosphatase 5b: A Novel Serum Marker of Bone Resorption. Journal of Bone and Mineral Research, 2000, 15, 1337-1345.	2.8	349
2	Aging, muscle fiber type, and contractile function in sprint-trained athletes. Journal of Applied Physiology, 2006, 101, 906-917.	2.5	245
3	Effects of calcium, dairy product, and vitamin D supplementation on bone mass accrual and body composition in 10â€“12-y-old girls: a 2-y randomized trial. American Journal of Clinical Nutrition, 2005, 82, 1115-1126.	4.7	194
4	Effects of hormone replacement therapy and high-impact physical exercise on skeletal muscle in post-menopausal women: a randomized placebo-controlled study. Clinical Science, 2001, 101, 147-157.	4.3	160
5	Risk factors for clinical stress fractures in male military recruits: A prospective cohort study. Bone, 2005, 37, 267-273.	2.9	157
6	Mechanical properties of fast and slow skeletal muscle with special reference to collagen and endurance training. Journal of Biomechanics, 1984, 17, 725-735.	2.1	143
7	Bone Mineral Density and Long Term Exercise. Sports Medicine, 1993, 16, 316-330.	6.5	138
8	Vitamin D Status as a Determinant of Peak Bone Mass in Young Finnish Men. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 76-80.	3.6	129
9	Muscle ultrasonography and computed tomography in elderly trained and untrained women. Muscle and Nerve, 1993, 16, 294-300.	2.2	123
10	Ultrasound imaging of the quadriceps muscle in elderly athletes and untrained men. Muscle and Nerve, 1991, 14, 527-533.	2.2	112
11	The effect of hormone replacement therapy and/or exercise on skeletal muscle attenuation in postmenopausal women: a yearlong intervention. Clinical Physiology and Functional Imaging, 2005, 25, 297-304.	1.2	104
12	Biomechanical and Skeletal Muscle Determinants of Maximum Running Speed with Aging. Medicine and Science in Sports and Exercise, 2009, 41, 844-856.	0.4	98
13	Muscle training for bone strength. Aging Clinical and Experimental Research, 2006, 18, 85-93.	2.9	96
14	Differential influence of peripheral and systemic sex steroids on skeletal muscle quality in preâ€•and postmenopausal women. Aging Cell, 2011, 10, 650-660.	6.7	89
15	Effects of hormone replacement therapy and high-impact physical exercise on skeletal muscle in post-menopausal women: a randomized placebo-controlled study. Clinical Science, 2001, 101, 147.	4.3	81
16	Calcaneal Bone Mineral Density Predicts Fracture Occurrence: A Five-Year Follow-up Study in Elderly People. Journal of Bone and Mineral Research, 1997, 12, 1075-1082.	2.8	75
17	Relationship of Sex Hormones to Bone Geometric Properties and Mineral Density in Early Pubertal Girls. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1698-1703.	3.6	75
18	Effects of diet-induced obesity and voluntary wheel running on the microstructure of the murine distal femur. Nutrition and Metabolism, 2011, 8, 1.	3.0	71

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19	Which muscles compromise human locomotor performance with age?. Journal of the Royal Society Interface, 2014, 11, 20140858.	3.4	70
20	Effects of aging and life-long physical training on collagen in slow and fast skeletal muscle in rats. Cell and Tissue Research, 1987, 248, 247-55.	2.9	67
21	Growth Patterns at Distal Radius and Tibial Shaft in Pubertal Girls: A 2-Year Longitudinal Study. Journal of Bone and Mineral Research, 2005, 20, 954-961.	2.8	66
22	Age- and training-related changes in the collagen metabolism of rat skeletal muscle. European Journal of Applied Physiology and Occupational Physiology, 1989, 58, 765-771.	1.2	65
23	Connective tissue of â€œfastâ€•and â€œslowâ€•skeletal muscle in ratsâ€¦effects of endurance training. Acta Physiologica Scandinavica, 1980, 108, 173-180.	2.2	64
24	Type IV Collagen and Laminin in Slow and Fast Skeletal Muscle in Rats â€" Effects of Age and Life-Time Endurance Training. Collagen and Related Research, 1988, 8, 145-153.	2.0	64
25	Quantitative ultrasonography of muscle: Detection of adaptations to training in elderly women. Archives of Physical Medicine and Rehabilitation, 1996, 77, 1173-1178.	0.9	60
26	Effects of age and life-time physical training on fibre composition of slow and fast skeletal muscle in rats. Pflugers Archiv European Journal of Physiology, 1987, 408, 543-551.	2.8	58
27	Differential Effects of Sex Hormones on Peri- and Endocortical Bone Surfaces in Pubertal Girls. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 277-282.	3.6	55
28	Effects of physical training on metabolism of connective tissues in young mice. Acta Physiologica Scandinavica, 1980, 108, 17-22.	2.2	51
29	Bone mineral density and physical activity in 50â€“60-year-old women. Bone and Mineral, 1991, 12, 123-132.	1.9	49
30	Age-Related Differences in 100-m Sprint Performance in Male and Female Master Runners. Medicine and Science in Sports and Exercise, 2003, 35, 1419-1428.	0.4	49
31	Endogenous Hormones, Muscle Strength, and Risk of Fall-Related Fractures in Older Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 92-96.	3.6	47
32	Weight-bearing, muscle loading and bone mineral accrual in pubertal girlsâ€"A 2-year longitudinal study. Bone, 2007, 40, 1196-1202.	2.9	46
33	Long-Term Leisure Time Physical Activity and Properties of Bone: A Twin Study. Journal of Bone and Mineral Research, 2009, 24, 1427-1433.	2.8	46
34	MINERAL DENSITY OF CALCANEUS IN MEN AT DIFFERENT AGES: A POPULATION STUDY WITH SPECIAL REFERENCE TO LIFE-STYLE FACTORS. Age and Ageing, 1984, 13, 273-281.	1.6	45
35	Muscle strength in male athletes aged 70?81 years and a population sample. European Journal of Applied Physiology and Occupational Physiology, 1991, 63, 399-403.	1.2	45
36	Effects of combined hormone replacement therapy or its effective agents on the IGF-1 pathway in skeletal muscle. Growth Hormone and IGF Research, 2010, 20, 372-379.	1.1	45

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37	Low volumetric BMD is linked to upper-limb fracture in pubertal girls and persists into adulthood: A seven-year cohort study. Bone, 2009, 45, 480-486.	2.9	38
38	Age and Sex Differences in Blood Lactate Response to Sprint Running in Elite Master Athletes. Applied Physiology, Nutrition, and Metabolism, 2005, 30, 647-665.	1.7	35
39	Muscular Transcriptome in Postmenopausal Women With or Without Hormone Replacement. Rejuvenation Research, 2007, 10, 485-500E.	1.8	34
40	Walking and Running Require Greater Effort from the Ankle than the Knee Extensor Muscles. Medicine and Science in Sports and Exercise, 2016, 48, 2181-2189.	0.4	34
41	Power training and postmenopausal hormone therapy affect transcriptional control of specific co-regulated gene clusters in skeletal muscle. Age, 2010, 32, 347-363.	3.0	32
42	Determinants of Lower-Body Muscle Power in Early Postmenopausal Women. Journal of the American Geriatrics Society, 2004, 52, 939-944.	2.6	31
43	Genetic and Environmental Influence on Structural Strength of Weight-Bearing and Nonâ€“Weight-Bearing Bone: A Twin Study. Journal of Bone and Mineral Research, 2008, 23, 492-498.	2.8	31
44	Effects of Diet-Induced Obesity and Voluntary Wheel Running on Bone Properties in Young Male C57BL/6J Mice. Calcified Tissue International, 2010, 86, 411-419.	3.1	31
45	Elastic wave propagation in bone in vivo: Methodology. Journal of Biomechanics, 1995, 28, 471-478.	2.1	30
46	Tibial and Fibular Mid-Shaft Bone Traits in Young and Older Sprinters and Non-Athletic Men. Calcified Tissue International, 2014, 95, 132-140.	3.1	28
47	Estimation of structural and geometrical properties of cortical bone by computerized tomography in 78-year-old women. Journal of Bone and Mineral Research, 1995, 10, 139-148.	2.8	27
48	Bone Density, Structure and Strength, and Their Determinants in Aging Sprint Athletes. Medicine and Science in Sports and Exercise, 2012, 44, 2340-2349.	0.4	26
49	Monitoring Bone Growth Using Quantitative Ultrasound in Comparison with DXA and pQCT. Journal of Clinical Densitometry, 2008, 11, 295-301.	1.2	25
50	Variability and Symmetry of Force Platform Variables in Maximum-Speed Running in Young and Older Athletes. Journal of Applied Biomechanics, 2010, 26, 357-366.	0.8	25
51	Observations on the Structure and the Biomechanics of the Cricothyroid Articulation. Acta Oto-Laryngologica, 1987, 103, 117-126.	0.9	24
52	Effect of bicycle ergometer test on intraocular pressure in elderly athletes and controls. Acta Ophthalmologica, 1993, 71, 301-307.	1.1	24
53	Bone mineral density of the calcaneus in 70??? to 81-yr-old male athletes and a population sample. Medicine and Science in Sports and Exercise, 1991, 23, 1227???1232.	0.4	23
54	Long-term leisure-time physical activity has a positive effect on bone mass gain in girls. Journal of Bone and Mineral Research, 2010, 25, 1034-1041.	2.8	22

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55	Muscle Cross-Sectional Area and Structural Bone Strength Share Genetic and Environmental Effects in Older Women. Journal of Bone and Mineral Research, 2009, 24, 338-345.	2.8	21
56	Comparison of Ultrasound and Bone Mineral Density Assessment of the Calcaneus with Different Regions of Interest in Healthy Early Menopausal Women. Journal of Clinical Densitometry, 1999, 2, 117-126.	1.2	17
57	Ageing and maximal physical performance. European Review of Aging and Physical Activity, 2011, 8, 37-42.	2.9	17
58	OGT and OGA expression in postmenopausal skeletal muscle associates with hormone replacement therapy and muscle cross-sectional area. Experimental Gerontology, 2013, 48, 1501-1504.	2.8	17
59	Absence of an agingâ€related increase in fiber type grouping in athletes and nonâ€athletes. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 2057-2069.	2.9	15
60	Physical activity and health: Musculoskeletal issues. Advances in Physiotherapy, 2007, 9, 65-75.	0.2	11
61	Influence of long-term postmenopausal hormone-replacement therapy on estimated structural bone strength: A study in discordant monozygotic twins. Journal of Bone and Mineral Research, 2011, 26, 546-552.	2.8	11
62	Declining Physical Performance Associates with Serum FasL, miR-21, and miR-146a in Aging Sprinters. BioMed Research International, 2017, 2017, 1-14.	1.9	11
63	Greater maintenance of bone mineral content in male than female athletes and in sprinting and jumping than endurance athletes: a longitudinal study of bone strength in elite masters athletes. Archives of Osteoporosis, 2020, 15, 87.	2.4	11
64	Ankle and knee extensor muscle effort during locomotion in young and older athletes: Implications for understanding age-related locomotor decline. Scientific Reports, 2020, 10, 2801.	3.3	11
65	Dietary acid load and renal function have varying effects on blood acid-base status and exercise performance across age and sex. Applied Physiology, Nutrition and Metabolism, 2017, 42, 1330-1340.	1.9	10
66	Regular Strength and Sprint Training Counteracts Bone Aging: A 10â€Year Followâ€Up in Male Masters Athletes. JBMR Plus, 2021, 5, e10513.	2.7	7
67	Physical Activity and Exercise in the Maintenance of the Adult Skeleton and the Prevention of Osteoporotic Fractures. , 2013, , 683-719.		6
68	Age-Related Declines in Lower Limb Muscle Function are Similar in Power and Endurance Athletes of Both Sexes: A Longitudinal Study of Master Athletes. Calcified Tissue International, 2022, 110, 196-203.	3.1	4
69	Retinal light sensitivity of the central visual field among 70â€to 81â€yearâ€old men and women. Acta Ophthalmologica, 1994, 72, 86-90.	1.1	1
70	Sprint and Strength Training Modulates Autophagy and Proteostasis in Aging Sprinters. Medicine and Science in Sports and Exercise, 2020, 52, 1948-1959.	0.4	1