Jaakko NiinimÃ¤ki

List of Publications by Year
in descending order

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124	4,541	94433	114465
papers	citations	37 h-index	63 g-index

125	125	125	4185
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Syndesmosis fixation in supination-external rotation ankle fractures. Long-Term results of a prospective randomised study. Foot and Ankle Surgery, 2022, 28, 229-234.	1.7	2
2	The Association of Lumbosacral Transitional Vertebrae with Low Back Pain and Lumbar Degenerative Findings in MRI. Spine, 2022, 47, 153-162.	2.0	14
3	Two-center validation of the Oulu resorption score for bone flap resorption after autologous cranioplasty. Clinical Neurology and Neurosurgery, 2022, 212, 107083.	1.4	7
4	Detecting Patient Safety Errors by Characterizing Incidents Reported by Medical Imaging Staff. Frontiers in Public Health, 2022, 10, 846604.	2.7	1
5	Correlation between the degree of pain relief following discoblock and short-term surgical disability outcome among patients with suspected discogenic low back pain. Scandinavian Journal of Pain, 2022, 22, 526-532.	1.3	3
6	Association of lumbar disc degeneration with low back pain in middle age in the Northern Finland Birth Cohort 1966. BMC Musculoskeletal Disorders, 2022, 23, 359.	1.9	10
7	Accelerometer-measured physical activity is associated with knee breadth in middle-aged Finns â€“ a population-based study. BMC Musculoskeletal Disorders, 2022, 23, .	1.9	1
8	Vertebral bone marrow (Modic) changes. , 2022, , 223-252.		0
9	Newborns, Infants, and Adolescents in Postmedieval Northern Finland: A Case Study from Keminmaa. Historical Archaeology, 2021, 55, 30-48.	0.3	3
10	Serum biomarkers for Modic changes in patients with chronic low back pain. European Spine Journal, 2021, 30, 1018-1027.	2.2	16
11	T2â€weighted magnetic resonance imaging texture as predictor of low back pain: A texture analysisâ€based classification pipeline to symptomatic and asymptomatic cases. Journal of Orthopaedic Research, 2021, 39, 2428-2438.	2.3	11
12	Randomized Controlled Trial of the Clinical Recovery and Biodegradation of Polylactide-co-glycolide Implants Used in the Intramedullary Nailing of Childrenâ€™s Forearm Shaft Fractures with at Least Four Years of Follow-Up. Journal of Clinical Medicine, 2021, 10, 995.	2.4	5
13	Preoperative measurements on MRI in Chiari 1 patients fail to predict outcome after decompressive surgery. Acta Neurochirurgica, 2021, 163, 2005-2014.	1.7	11
14	Stability-Based Classification of Ankle Fracturesâ€”The Long-Term Outcome After 11â€“13 Years of Follow-up. Journal of Orthopaedic Trauma, 2021, 35, 227-233.	1.4	1
15	Investigating errors in medical imaging: medical malpractice cases in Finland. Insights Into Imaging, 2021, 12, 86.	3.4	3
16	The association between physical activity and vertebral dimension change in early adulthood â€“ The Northern Finland Birth Cohort 1986 study. Bone Reports, 2021, 14, 101060.	0.4	3
17	Suture button versus syndesmosis screw fixation in pronation-external rotation ankle fractures: A minimum 6-year follow-up of a randomised controlled trial. Injury, 2021, 52, 3143-3149.	1.7	21
18	Sex estimation from knee breadth dimensions in a Finnish population. Legal Medicine, 2021, 51, 101873.	1.3	4

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19	Acoustic emissions and kinematic instability of the osteoarthritic knee joint: comparison with radiographic findings. Scientific Reports, 2021, 11, 19558.	3.3	7
20	Emergence of teleradiology, PACS, and other radiology IT solutions in Acta Radiologica. Acta Radiologica, 2021, 62, 1525-1533.	1.1	4
21	Is Brain MRI Needed in Diagnostic Evaluation of Mild Intellectual Disability?. Neuropediatrics, 2021, 52, 027-033.	0.6	0
22	Association Between Vertebral Dimensions and Lumbar Modic Changes. Spine, 2021, 46, E415-E425.	2.0	5
23	Fibular nailing for fixation of ankle fractures in patients at high risk of surgical wound infection. Foot and Ankle Surgery, 2020, 26, 784-789.	1.7	9
24	Association between device-measured physical activity and lumbar Modic changes. BMC Musculoskeletal Disorders, 2020, 21, 630.	1.9	2
25	Air gap technique is recommended in axiolateral hip radiographs. Journal of Applied Clinical Medical Physics, 2020, 21, 210-217.	1.9	2
26	Association Between Modic Changes and Low Back Pain in Middle Age. Spine, 2020, 45, 1360-1367.	2.0	40
27	Retention of metals in periprosthetic tissues of patients with metal-on-metal total hip arthroplasty is reflected in the synovial fluid to blood cobalt transfer ratio in the presence of a pseudotumour. BMC Musculoskeletal Disorders, 2020, 21, 610.	1.9	3
28	PLS3 Mutations Cause Severe Age and Sex-Related Spinal Pathology. Frontiers in Endocrinology, 2020, 11, 393.	3.5	15
29	Does bone scintigraphy show Modic changes associated with increased bone turnover?. European Journal of Radiology Open, 2020, 7, 100222.	1.6	12
30	Baseline anthropometric indices predict change in vertebral size in early adulthood â€“ A 10-year follow-up MRI study. Bone, 2020, 138, 115506.	2.9	2
31	Adverse events due to unnecessary radiation exposure in medical imaging reported in Finland. Radiography, 2020, 26, e195-e200.	2.1	9
32	Lumbosacral transitional vertebrae are associated with lumbar degeneration: retrospective evaluation of 3855 consecutive abdominal CT scans. European Radiology, 2020, 30, 3409-3416.	4.5	36
33	Temporal Trends in Vertebral Dimensions â€“ a case study from Finland. Scientific Reports, 2020, 10, 1635.	3.3	2
34	Improving anatomical stature estimation method. The relationship between living stature and intervertebral disc thickness. HOMO- Journal of Comparative Human Biology, 2020, 71, 37-42.	0.7	1
35	Changes in vertebral dimensions in early adulthood â€“ A 10-year follow-up MRI-study. Bone, 2019, 121, 196-203.	2.9	7
36	The association between knee breadth and body mass: The Northern Finland Birth Cohort 1966 case study. American Journal of Physical Anthropology, 2019, 170, 196-206.	2.1	8

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37	Body mass estimation from dimensions of the fourth lumbar vertebra in middle-aged Finns. Legal Medicine, 2019, 40, 5-16.	1.3	4
38	Dairy- and supplement-based calcium intake in adulthood and vertebral dimensions in midlifeâ€"the Northern Finland Birth Cohort 1966 Study. Osteoporosis International, 2019, 30, 985-994.	3.1	10
39	Impact of constitutional TET2 haploinsufficiency on molecular and clinical phenotype in humans. Nature Communications, 2019, 10, 1252.	12.8	67
40	Genome-wide meta-analysis identifies genetic locus on chromosome 9 associated with Modic changes. Journal of Medical Genetics, 2019, 56, 420-426.	3.2	13
41	The Association of Body Size, Shape and Composition with Vertebral Size in Midlife â€“ The Northern Finland Birth Cohort 1966 Study. Scientific Reports, 2019, 9, 3944.	3.3	9
42	Body Mass Index Trajectories From Birth to Midlife and Vertebral Dimensions in Midlife: the Northern Finland Birth Cohort 1966 Study. JBMR Plus, 2019, 3, 37-44.	2.7	11
43	Bone Density and Texture from Minimally Post-Processed Knee Radiographs in Subjects with Knee Osteoarthritis. Annals of Biomedical Engineering, 2019, 47, 1181-1190.	2.5	11
44	Longitudinal Analysis of Paraspinal Muscle Cross-Sectional Area During Early Adulthood â€“ A 10-Year Follow-Up MRI Study. Scientific Reports, 2019, 9, 19497.	3.3	14
45	Eating Behavior Traits, Weight Loss Attempts, and Vertebral Dimensions Among the General Northern Finnish Population. Spine, 2019, 44, E1264-E1271.	2.0	3
46	The Effect of Zoledronic Acid on Serum Biomarkers among Patients with Chronic Low Back Pain and Modic Changes in Lumbar Magnetic Resonance Imaging. Diagnostics, 2019, 9, 212.	2.6	10
47	Objectively Measured Physical Activity Is Associated with Vertebral Size in Midlife. Medicine and Science in Sports and Exercise, 2019, 51, 1606-1612.	0.4	9
48	Classification of bone flap resorption after cranioplasty: a proposal for a computed tomography-based scoring system. Acta Neurochirurgica, 2019, 161, 473-481.	1.7	21
49	Quantitative and qualitative analysis of bone flap resorption in patients undergoing cranioplasty after decompressive craniectomy. Journal of Neurosurgery, 2018, 130, 312-321.	1.6	29
50	Potential case of gynecomastia in mummified remains of an early modern period northern finnish vicar. Clinical Anatomy, 2018, 31, 641-644.	2.7	4
51	Gravidity, Parity, and Vertebral Dimensions in the Northern Finland Birth Cohort 1966. Spine, 2018, 43, E1102-E1108.	2.0	5
52	Late vertebral side effects in long-term survivors of irradiated childhood brain tumor. PLoS ONE, 2018, 13, e0209193.	2.5	11
53	Estimation of stature from dimensions of the fourth lumbar vertebra in contemporary middle-aged Finns. Forensic Science International, 2018, 292, 71-77.	2.2	14
54	Modic changesâ€"Their associations with low back pain and activity limitation: A systematic literature review and meta-analysis. PLoS ONE, 2018, 13, e0200677.	2.5	106

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55	Sex estimation from dimensions of the fourth lumbar vertebra in Northern Finns of 20, 30, and 46 years of age. Forensic Science International, 2018, 290, 350.e1-350.e6.	2.2	17
56	Association between adolescent sport activities and lumbar disk degeneration among young adults. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 1993-2001.	2.9	11
57	Poor Acetabular Component Orientation Increases Revision Risk in Metal-on-Metal Hip Arthroplasty. Journal of Arthroplasty, 2017, 32, 2204-2207.	3.1	9
58	Soleus Atrophy Is Common After the Nonsurgical Treatment of Acute Achilles Tendon Ruptures: A Randomized Clinical Trial Comparing Surgical and Nonsurgical Functional Treatments. American Journal of Sports Medicine, 2017, 45, 1395-1404.	4.2	73
59	Discovery Elbow System: clinical and radiological results after 2- to 10-year follow-up. European Journal of Orthopaedic Surgery and Traumatology, 2017, 27, 901-907.	1.4	6
60	Effect of occupational physical activities on vertebral dimensions in midlife in the Northern Finland Birth Cohort 1966. Occupational and Environmental Medicine, 2017, 74, 351-356.	2.8	12
61	Impaired WNT signaling and the spineâ€"Heterozygous WNT1 mutation causes severe age-related spinal pathology. Bone, 2017, 101, 3-9.	2.9	25
62	Effect of early life physical growth on midlife vertebral dimensions â€" The Northern Finland Birth Cohort 1966 study. Bone, 2017, 101, 172-178.	2.9	12
63	Tendon Length, Calf Muscle Atrophy, and Strength Deficit After Acute Achilles Tendon Rupture. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1509-1515.	3.0	102
64	Magnetic resonance imaging (MRI)-defined cartilage degeneration and joint pain are associated with poor physical function in knee osteoarthritis â€“ the Oulu Knee Osteoarthritis study. Osteoarthritis and Cartilage, 2017, 25, 1829-1840.	1.3	10
65	A Whole Exome Study Identifies Novel Candidate Genes for Vertebral Bone Marrow Signal Changes (Modic Changes). Spine, 2017, 42, 1201-1206.	2.0	7
66	The effect of zoledronic acid on type and volume of Modic changes among patients with low back pain. BMC Musculoskeletal Disorders, 2017, 18, 274.	1.9	17
67	Justification and active guideline implementation for spine radiography referrals in primary care. Acta Radiologica, 2017, 58, 586-592.	1.1	21
68	High-impact exercise in adulthood and vertebral dimensions in midlife - the Northern Finland Birth Cohort 1966 study. BMC Musculoskeletal Disorders, 2017, 18, 433.	1.9	14
69	Effects of Leisure-Time Physical Activity on Vertebral Dimensions in the Northern Finland Birth Cohort 1966. Scientific Reports, 2016, 6, 27844.	3.3	33
70	Comparison of Diagnostic Performance of Semi-Quantitative Knee Ultrasound and Knee Radiography with MRI: Oulu Knee Osteoarthritis Study. Scientific Reports, 2016, 6, 22365.	3.3	65
71	Associations between MRI-defined structural pathology and generalized and localized knee pain â€“ the Oulu Knee Osteoarthritis study. Osteoarthritis and Cartilage, 2016, 24, 1565-1576.	1.3	43
72	Rotational Dynamics of the Talus in a Normal Tibiotalar Joint as Shown by Weight-Bearing Computed Tomography. Journal of Bone and Joint Surgery - Series A, 2016, 98, 568-575.	3.0	44

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73	Rotational Dynamics of the Normal Distal Tibiofibular Joint With Weight-Bearing Computed Tomography. Foot and Ankle International, 2016, 37, 627-635.	2.3	77
74	Suspected tuberculosis in an early 17th-century northern Finnish mummyâ€"A computed tomography case study. International Journal of Paleopathology, 2016, 14, 69-73.	1.4	4
75	Response to â€œLetter Regarding: Rotational Dynamics of the Normal Distal Tibiofibular Joint With Weight-Bearing Computed Tomographyâ€• Foot and Ankle International, 2016, 37, 1152-1153.	2.3	2
76	Computed tomography of mummified human remains in old Finnish churches, a case study: the mummified remains of a 17th-century vicar revisited. Post-Medieval Archaeology, 2016, 50, 368-379.	0.6	4
77	Osteoclast activators are elevated in intervertebral disks with Modic changes among patients operated for herniated nucleus pulposus. European Spine Journal, 2016, 25, 207-216.	2.2	41
78	Ageâ€related trends in vertebral dimensions. Journal of Anatomy, 2015, 226, 434-439.	1.5	18
79	Association between changes in lumbar Modic changes and low back symptoms over a two-year period. BMC Musculoskeletal Disorders, 2015, 16, 98.	1.9	81
80	The classification of osteonecrosis in patients with cancer: validation of a new radiological classification system. Clinical Radiology, 2015, 70, 1439-1444.	1.1	19
81	Effect of Syndesmosis Injury in SER IV (Weber B)â€"Type Ankle Fractures on Function and Incidence of Osteoarthritis. Foot and Ankle International, 2015, 36, 180-187.	2.3	31
82	Syndesmotic Fixation in Supination-External Rotation Ankle Fractures. Foot and Ankle International, 2014, 35, 988-995.	2.3	54
83	Stability Assessment of the Ankle Mortise in Supination-External Rotation-Type Ankle Fractures: Lack of Additional Diagnostic Value of MRI. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1855-1862.	3.0	66
84	Efficacy of zoledronic acid for chronic low back pain associated with Modic changes in magnetic resonance imaging. BMC Musculoskeletal Disorders, 2014, 15, 64.	1.9	38
85	Posterior Translation of the Fibula May Indicate Malreduction. Journal of Orthopaedic Trauma, 2014, 28, 205-209.	1.4	74
86	Vertebral endplate change as a feature of intervertebral disc degeneration: a heritability study. European Spine Journal, 2014, 23, 1856-1862.	2.2	54
87	Association of Modic changes with health-related quality of life among patients referred to spine surgery. Scandinavian Journal of Pain, 2014, 5, 36-40.	1.3	5
88	Body mass index is associated with lumbar disc degeneration in young Finnish males: subsample of Northern Finland birth cohort study 1986. BMC Musculoskeletal Disorders, 2013, 14, 87.	1.9	39
89	Influence of physical activity on vertebral strength during late adolescence. Spine Journal, 2013, 13, 184-189.	1.3	8
90	Modeling skeletal traits and functions of the upper body: Comparing archaeological and anthropological material. Journal of Anthropological Archaeology, 2013, 32, 347-351.	1.6	12

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91	Association of Abdominal Obesity with Lumbar Disc Degeneration â€“ A Magnetic Resonance Imaging Study. PLoS ONE, 2013, 8, e56244.	2.5	81
92	Association of Modic Changes, SchmorlÊ¼s Nodes, Spondylolytic Defects, High-Intensity Zone Lesions, Disc Herniations, and Radial Tears With Low Back Symptom Severity Among Young Finnish Adults. Spine, 2012, 37, 1231-1239.	2.0	67
93	A characteristic time sequence of epileptic activity in EEG during dynamic penicillin-induced focal epilepsyâ€”A preliminary study. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 513-519.	2.0	12
94	Does Lumbar Disc Degeneration on Magnetic Resonance Imaging Associate With Low Back Symptom Severity in Young Finnish Adults?. Spine, 2011, 36, 2180-2189.	2.0	178
95	Assessment of Association Between Low Back Pain and Paraspinal Muscle Atrophy Using Opposed-Phase Magnetic Resonance Imaging. Spine, 2011, 36, 1961-1968.	2.0	79
96	Influence of physical activity on vertebral size. Osteoporosis International, 2011, 22, 371-372.	3.1	11
97	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. BMC Medical Genetics, 2011, 12, 153.	2.1	73
98	The standing fixed flexion view detects narrowing of the joint space better than the standing extended view in patients with moderate osteoarthritis of the knee. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 81, 344-346.	3.3	22
99	Disability in end-stage knee osteoarthritis. Disability and Rehabilitation, 2009, 31, 370-380.	1.8	75
100	Association of lumbar artery narrowing, degenerative changes in disc and endplate and apparent diffusion in disc on postcontrast enhancement of lumbar intervertebral disc. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 101-109.	2.0	12
101	Modic changes in vertebral endplates: a comparison of MR imaging and multislice CT. Skeletal Radiology, 2009, 38, 141-147.	2.0	53
102	Association between visual degeneration of intervertebral discs and the apparent diffusion coefficient. Magnetic Resonance Imaging, 2009, 27, 641-647.	1.8	40
103	Prevalence of Degenerative Imaging Findings in Lumbar Magnetic Resonance Imaging Among Young Adults. Spine, 2009, 34, 1716-1721.	2.0	141
104	Temporal Trends in Vertebral Size and Shape from Medieval to Modern-Day. PLoS ONE, 2009, 4, e4836.	2.5	26
105	Vertebral endplate signal changes (Modic change): a systematic literature review of prevalence and association with non-specific low back pain. European Spine Journal, 2008, 17, 1407-1422.	2.2	380
106	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. BMC Musculoskeletal Disorders, 2008, 9, 51.	1.9	66
107	Genetic Factors Are Associated With Modic Changes in Endplates of Lumbar Vertebral Bodies. Spine, 2008, 33, 1236-1241.	2.0	60
108	Modic Changes in Endplates of Lumbar Vertebral Bodies. Spine, 2007, 32, 1116-1122.	2.0	225

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109	Putative Susceptibility Locus on Chromosome 21q for Lumbar Disc Disease (LDD) in the Finnish Population. Journal of Bone and Mineral Research, 2007, 22, 701-707.	2.8	21
110	A Three-Year Follow-up of Lumbar Spine Endplate (Modic) Changes. Spine, 2006, 31, 1714-1718.	2.0	172
111	The Effect of Infliximab, a Monoclonal Antibody Against TNF-Î±, on Disc Herniation Resorption. Spine, 2006, 31, 2641-2645.	2.0	25
112	Determinants of Spontaneous Resorption of Intervertebral Disc Herniations. Spine, 2006, 31, 1247-1252.	2.0	155
113	The Treatment of Disc Herniation-Induced Sciatica With Infliximab. Spine, 2006, 31, 2759-2766.	2.0	161
114	The Treatment of Disc Herniation-Induced Sciatica With Infliximab. Spine, 2005, 30, 2724-2728.	2.0	113
115	BOLD signal increase preceeds EEG spike activityâ€"a dynamic penicillin induced focal epilepsy in deep anesthesia. NeuroImage, 2005, 27, 715-724.	4.2	63
116	Mobile teleradiology with smartphone terminals as a part of a multimedia electronic patient record. International Congress Series, 2005, 1281, 916-921.	0.2	8
117	Interventional and intraoperative MRI at low field scanner â€“ a review. European Journal of Radiology, 2005, 56, 130-142.	2.6	60
118	Efficacy of Infliximab for Disc Herniation-Induced Sciatica. Spine, 2004, 29, 2115-2119.	2.0	118
119	Three-Year Follow-up of Lumbar Artery Occlusion With Magnetic Resonance Angiography in Patients With Sciatica. Spine, 2004, 29, 1804-1808.	2.0	23
120	A portable diagnostic workstation based on a Webpad: implementation and evaluation. Journal of Telemedicine and Telecare, 2003, 9, 225-229.	2.7	11
121	Tumor Necrosis Factor-Î± Monoclonal Antibody, Infliximab, Used to Manage Severe Sciatica. Spine, 2003, 28, 750-753.	2.0	93
122	Tumor necrosis factor-alpha monoclonal antibody, infliximab, used to manage severe sciatica. Spine, 2003, 28, 750-3; discussion 753-4.	2.0	54
123	Initial experience with a wireless personal digital assistant as a teleradiology terminal for reporting emergency computerized tomography scans. Journal of Telemedicine and Telecare, 2000, 6, 45-49.	2.7	68
124	Approaches for certification of electronic prescription software. International Journal of Medical Informatics, 1997, 47, 175-182.	3.3	16