

# Timo J Järmsä

## List of Publications by Year in descending order

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155  
papers

17,691  
citations

94269

37  
h-index

17055

122  
g-index

162  
all docs

162  
docs citations

162  
times ranked

26103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of osteoporosis-related reduction in the mechanical properties of bone on the acetabular fracture during a sideways fall: A parametric finite element approach. <i>PLoS ONE</i> , 2022, 17, e0263458.	1.1	3
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	Biomedical engineering in low- and middle-income settings: analysis of current state, challenges and best practices. <i>Health and Technology</i> , 2022, , 1-11.	2.1	3
4	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
5	Discrimination of Low-Energy Acetabular Fractures from Controls Using Computed Tomography-Based Bone Characteristics. <i>Annals of Biomedical Engineering</i> , 2021, 49, 367-381.	1.3	3
6	The effect of body configuration on the strain magnitude and distribution within the acetabulum during sideways falls: A finite element approach. <i>Journal of Biomechanics</i> , 2021, 114, 110156.	0.9	3
7	Human Computer Interaction Challenges in Designing Pandemic Trace Application for the Effective Knowledge Transfer Between Science and Society Inside the Quadruple Helix Collaboration. <i>Lecture Notes in Computer Science</i> , 2021, , 390-401.	1.0	1
8	Effect of Impact Velocity, Flooring Material, and Trochanteric Soft-Tissue Quality on Acetabular Fracture during a Sideways Fall: A Parametric Finite Element Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 365.	1.3	2
9	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
10	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
11	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
12	Machine-learning models for activity class prediction: A comparative study of feature selection and classification algorithms. <i>Gait and Posture</i> , 2021, 89, 45-53.	0.6	31
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	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
16	Association between device-measured physical activity and lumbar Modic changes. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 630.	0.8	2
17	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
18	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

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19	Association between chronic diseases and falls among a sample of older people in Finland. <i>BMC Geriatrics</i> , 2020, 20, 225.	1.1	35
20	Polygenic Risk Scores and Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1518-1524.	0.2	13
21	Feasibility of a Persuasive mHealth Behavioural Change Intervention in Promoting Physical Activity in the Workplace (Preprint). <i>JMIR Formative Research</i> , 2020, 4, e15083.	0.7	25
22	Impact of Physical Health and Exercise Activity on Online User Experience: Elderly People and High Risk for Diabetes. <i>Lecture Notes in Information Systems and Organisation</i> , 2020, , 315-325.	0.4	0
23	Structural risk factors for low-energy acetabular fractures. <i>Bone</i> , 2019, 127, 334-342.	1.4	6
24	Physical activity is associated with cardiac autonomic function in adolescent men. <i>PLoS ONE</i> , 2019, 14, e0222121.	1.1	16
25	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
26	Dose-response relation of self-reported and accelerometer-measured physical activity to perceived health in middle age—the Northern Finland Birth Cohort 1966 Study. <i>BMC Public Health</i> , 2019, 19, 21.	1.2	28
27	Effect of Physical Activity on Plasma PCSK9 in Subjects With High Risk for Type 2 Diabetes. <i>Frontiers in Physiology</i> , 2019, 10, 456.	1.3	9
28	Intensity and temporal patterns of physical activity and cardiovascular disease risk in midlife. <i>Preventive Medicine</i> , 2019, 124, 33-41.	1.6	27
29	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
30	Prolonged bouts of sedentary time and cardiac autonomic function in midlife. <i>Translational Sports Medicine</i> , 2019, 2, 341-350.	0.5	9
31	Nocturnal finger skin temperature in menstrual cycle tracking: ambulatory pilot study using a wearable Oura ring. <i>BMC Women's Health</i> , 2019, 19, 150.	0.8	46
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	Mobile Phone and Wearable Sensor-Based mHealth Approaches for Psychiatric Disorders and Symptoms: Systematic Review. <i>JMIR Mental Health</i> , 2019, 6, e9819.	1.7	90

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37	Technologies for fall risk assessment and conceptual design in personal health record system. Finnish Journal of EHealth and EWelfare, 2019, 11, 53-67.	0.0	3
38	Feasibility of mobile mental wellness training for older adults. Geriatric Nursing, 2018, 39, 499-505.	0.9	20
39	Assistive technologies at home for people with a memory disorder. Dementia, 2018, 17, 909-923.	1.0	24
40	Gaming for health across various areas of life. , 2018, , .		2
41	Relationship Between Everyday Health Information Literacy and Attitudes Towards Mobile Technology Among Older People. Communications in Computer and Information Science, 2018, , 450-459.	0.4	7
42	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). Computers in Human Behavior, 2017, 72, 13-22.	5.1	28
43	Raccoon dog model shows preservation of bone during prolonged catabolism and reduced physical activity. Journal of Experimental Biology, 2017, 220, 2196-2202.	0.8	2
44	Association of Insulin and Cholesterol Levels With Peripheral Nervous System Function in Overweight Adults: A 3-Year Follow-up. Journal of Clinical Neurophysiology, 2017, 34, 492-496.	0.9	1
45	Low level activity thresholds for changes in NMR biomarkers and genes in high risk subjects for Type 2 Diabetes. Scientific Reports, 2017, 7, 11267.	1.6	2
46	Fitness, Fatness, Physical Activity, and Autonomic Function in Midlife. Medicine and Science in Sports and Exercise, 2017, 49, 2459-2468.	0.2	30
47	Computer game and wearable sensors based approach to promote physical activity for young men. , 2017, , .		1
48	Use of Information and Communication Technologies Among Older People With and Without Frailty: A Population-Based Survey. Journal of Medical Internet Research, 2017, 19, e29.	2.1	98
49	Feasibility of Gamified Mobile Service Aimed at Physical Activation in Young Men: Population-Based Randomized Controlled Study (MOPO). JMIR MHealth and UHealth, 2017, 5, e146.	1.8	32
50	Persuasive health and wellbeing application: A theory-driven design in promoting physical activity. , 2016, , .		10
51	Opinions and use of mobile information technology among older people in northern finland - preliminary results of a population based study. Proceedings of the Association for Information Science and Technology, 2016, 53, 1-5.	0.3	5
52	Correlation of Subchondral Bone Density and Structure from Plain Radiographs with Micro Computed Tomography Ex Vivo. Annals of Biomedical Engineering, 2016, 44, 1698-1709.	1.3	19
53	Measuring Physical Activity in Free-Living Conditions – Comparison of Three Accelerometry-Based Methods. Frontiers in Physiology, 2016, 7, 681.	1.3	39
54	Software Design Principles for Digital Behavior Change Interventions - Lessons Learned from the MOPO Study. , 2016, , .		2

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55	RELATIONSHIP BETWEEN WEIGHT CHANGE AND CHANGES IN 3D ACCELERATION SIGNALS GENERATED BY WALKING. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1550080.	0.3	0
56	Effect of wrist-worn activity monitor feedback on physical activity behavior: A randomized controlled trial in Finnish young men. <i>Preventive Medicine Reports</i> , 2015, 2, 628-634.	0.8	52
57	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
58	Profiles of sedentary and non-sedentary young men – a population-based MOPO study. <i>BMC Public Health</i> , 2015, 15, 1164.	1.2	13
59	Sensitivity and False Alarm Rate of a Fall Sensor in Long-Term Fall Detection in the Elderly. <i>Gerontology</i> , 2015, 61, 61-68.	1.4	12,584
60	Alternative Futures for Individualized Connected Health. , 2015, , 61-74.		2
61	Light physical activity determined by a motion sensor decreases insulin resistance, improves lipid homeostasis and reduces visceral fat in high-risk subjects: PreDiabEx study RCT. <i>International Journal of Obesity</i> , 2014, 38, 1089-1096.	1.6	65
62	Detecting and profiling sedentary young men using machine learning algorithms. , 2014, , .		6
63	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
64	A novel methodology for generating 3D finite element models of the hip from 2D radiographs. <i>Journal of Biomechanics</i> , 2014, 47, 438-444.	0.9	23
65	Quantification of differences in bone texture from plain radiographs in knees with and without osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1724-1731.	0.6	34
66	Association between low-frequency ultrasound and hip fractures – comparison with DXA-based BMD. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 208.	0.8	6
67	Quality of the Wireless Electrocardiogram Signal During Physical Exercise in Different Age Groups. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1058-1064.	3.9	14
68	Assessment of Risk of Femoral Neck Fracture with Radiographic Texture Parameters: A Retrospective Study. <i>Radiology</i> , 2014, 272, 184-191.	3.6	31
69	Receiver performance evaluation on IEEE 802.15.6 based WBAN for monitoring Parkinson's disease. , 2014, , .		3
70	Standard Radiography: Untapped Potential in the Assessment of Osteoporotic Fracture Risk. <i>European Radiology</i> , 2013, 23, 1375-1382.	2.3	10
71	Security threats against the transmission chain of a medical health monitoring system. , 2013, , .		29
72	Discrimination of fractures by low-frequency axial transmission ultrasound in postmenopausal females. <i>Osteoporosis International</i> , 2013, 24, 723-730.	1.3	40

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73	New insights to the role of aryl hydrocarbon receptor in bone phenotype and in dioxin-induced modulation of bone microarchitecture and material properties. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 219-226.	1.3	36
74	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
75	Bone mineral density and geometry parameters determined in vitro from dual-energy digital radiography images in the assessment of bone maximal load of reindeer femora. <i>Acta Radiologica</i> , 2013, 54, 961-965.	0.5	2
76	Trabecular Homogeneity Index Derived From Plain Radiograph to Evaluate Bone Quality. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2584-2591.	3.1	15
77	IEEE802.15.6 -based multi-accelerometer WBAN system for monitoring Parkinson's disease. , 2013, 2013, 1656-9.		8
78	Role of Phase Stress in Variations of Cell Behavior on NiTi. <i>Materials Science Forum</i> , 2013, 738-739, 559-565.	0.3	2
79	Dual-energy digital radiography in the assessment of bone mechanical properties. <i>Physiological Measurement</i> , 2012, 33, 29-37.	1.2	7
80	Human information behaviour and physiological measurements as a basis to tailor health information. An explorative study in a physical activity intervention among prediabetic individuals in Northern Finland. <i>Health Information and Libraries Journal</i> , 2012, 29, 131-140.	1.3	12
81	Ct-based finite element models can be used to estimate experimentally measured failure loads in the proximal femur. <i>Bone</i> , 2012, 50, 824-829.	1.4	116
82	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
83	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
84	Cortical bone finite element models in the estimation of experimentally measured failure loads in the proximal femur. <i>Bone</i> , 2012, 51, 737-740.	1.4	40
85	Preservation of bone mass and biomechanical properties during winter sleep – the raccoon dog ( <i>Nyctereutes procyonoides</i> ) as a novel model species. <i>Bone</i> , 2011, 48, 878-884.	1.4	7
86	Combination of radiograph-based trabecular and geometrical parameters can discriminate cervical hip fractures from controls in individuals with BMD in non-osteoporotic range. <i>Bone</i> , 2011, 49, 290-294.	1.4	10
87	Investigation of differences between hip fracture types: A worthy strategy for improved risk assessment and fracture prevention. <i>Bone</i> , 2011, 49, 600-604.	1.4	37
88	Measurement of osteogenic exercise – how to interpret accelerometric data?. <i>Frontiers in Physiology</i> , 2011, 2, 73.	1.3	12
89	Reindeer bone extract can heal the critical-size rat femur defect. <i>International Orthopaedics</i> , 2011, 35, 615-622.	0.9	10
90	Calcium Sulfate with Stearic Acid as an Encouraging Carrier for Reindeer Bone Protein Extract. <i>Materials</i> , 2011, 4, 1321-1332.	1.3	1

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91	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
92	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
93	Structural Asymmetry Between the Hips and Its Relation to Experimental Fracture Type. <i>Calcified Tissue International</i> , 2010, 87, 203-210.	1.5	10
94	BMD T-score discriminates trochanteric fractures from unfractured controls, whereas geometry discriminates cervical fracture cases from unfractured controls of similar BMD. <i>Osteoporosis International</i> , 2010, 21, 1269-1276.	1.3	19
95	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
96	Does femoral strain distribution coincide with the occurrence of cervical versus trochanteric hip fractures? An experimental finite element study. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 711-717.	1.6	21
97	Bioglass as a carrier for reindeer bone protein extract in the healing of rat femur defect. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 1677-1684.	1.7	10
98	Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure on bone material properties. <i>Journal of Biomechanics</i> , 2010, 43, 1097-1103.	0.9	47
99	Daily impact score in long-term acceleration measurements of exercise. <i>Journal of Biomechanics</i> , 2010, 43, 1960-1964.	0.9	34
100	Quantitative characterization of changes in bone geometry, mineral density and biomechanical properties in two rat strains with different Ah-receptor structures after long-term exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology</i> , 2010, 273, 1-11.	2.0	30
101	Nickel-titanium wire as a flexor tendon suture material: an ex vivo study. <i>Journal of Hand Surgery: European Volume</i> , 2010, 35, 469-474.	0.5	12
102	Dual-energy digital radiography for the assessment of bone mineral density. <i>Acta Radiologica</i> , 2010, 51, 543-548.	0.5	4
103	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
104	Development of a Low Temperature Sol-Gel-Derived Titania-Silica Implant Coating. <i>Materials Sciences and Applications</i> , 2010, 01, 118-126.	0.3	6
105	Medical ICT serving society. , 2010, , .		1
106	Biocompatibility Aspects of NiTi-Based Medical Implants. <i>Materials Science Forum</i> , 2009, 631-632, 175-179.	0.3	0
107	Time-course of exercise and its association with 12-month bone changes. <i>BMC Musculoskeletal Disorders</i> , 2009, 10, 138.	0.8	14
108	Effect of impact exercise on bone metabolism. <i>Osteoporosis International</i> , 2009, 20, 1725-1733.	1.3	38

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109	Correlation of Tibial Low-Frequency Ultrasound Velocity with Femoral Radiographic Measurements and BMD in Elderly Women. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 903-911.	0.7	13
110	Sensitivity and specificity of fall detection in people aged 40 years and over. <i>Gait and Posture</i> , 2009, 29, 571-574.	0.6	130
111	Quantitative characterization of changes in bone geometry, density and biomechanical properties in two rat strains with different Ah-receptor structure following long-term exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology Letters</i> , 2009, 189, S199.	0.4	0
112	Discrimination of Cervical and Trochanteric Hip Fractures Using Radiography-Based Two-Dimensional Finite Element Models. <i>The Open Bone Journal</i> , 2009, 1, 16-22.	1.4	10
113	Effect Of Office-based Brief Impact Exercise On Bone In Premenopausal Japanese Women. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 170.	0.2	0
114	Experimental hip fracture load can be predicted from plain radiography by combined analysis of trabecular bone structure and bone geometry. <i>Osteoporosis International</i> , 2008, 19, 547-558.	1.3	56
115	PREDICTION OF TROCHANTERIC FAILURE LOAD USING THE COMBINATION OF BONE GEOMETRY AND 2D FINITE ELEMENT ANALYSIS FROM RADIOGRAPHS. <i>Journal of Biomechanics</i> , 2008, 41, S155.	0.9	0
116	Comparison of low-complexity fall detection algorithms for body attached accelerometers. <i>Gait and Posture</i> , 2008, 28, 285-291.	0.6	405
117	Determination of simple thresholds for accelerometry-based parameters for fall detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1367-70.	0.5	137
118	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
119	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
120	Biocompatibility-related surface characteristics of oxidized NiTi. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 810-819.	2.1	7
121	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
122	The effect of oxide thickness on osteoblast attachment and survival on NiTi alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 959-967.	1.7	21
123	Reindeer BMP extract in the healing of critical-size bone defects in the radius of the rabbit. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 77, 952-959.	1.2	21
124	Effect of daily physical activity on proximal femur. <i>Clinical Biomechanics</i> , 2006, 21, 1-7.	0.5	70
125	Association of Geometric Factors and Failure Load Level With the Distribution of Cervical vs. Trochanteric Hip Fractures. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 895-901.	3.1	80
126	A novel treatment of grade III acromioclavicular joint dislocations with a C-hook implant. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2006, 126, 22-27.	1.3	20



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127	Intensity of exercise is associated with bone density change in premenopausal women. <i>Osteoporosis International</i> , 2006, 17, 455-463.	1.3	154
128	Shape Memory Alloys for Biomedical Applications. <i>Advances in Science and Technology</i> , 2006, 49, 109.	0.2	29
129	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
130	Effect of gamma irradiation on the osteoinductivity of morphogenetic protein extract from reindeer bone. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 76, 231-236.	1.2	11
131	Effects of In Utero and Lactational TCDD Exposure on Bone Development in Differentially Sensitive Rat Lines. <i>Toxicological Sciences</i> , 2005, 85, 1003-1012.	1.4	82
132	Combination of bone mineral density and upper femur geometry improves the prediction of hip fracture. <i>Osteoporosis International</i> , 2004, 15, 274-280.	1.3	138
133	Adenoviral VEGF-A gene transfer induces angiogenesis and promotes bone formation in healing osseous tissues. <i>Journal of Gene Medicine</i> , 2003, 5, 560-566.	1.4	125
134	Microstructural properties of bone in rat vertebra after long-term clodronate treatment. <i>Journal of Bone and Mineral Metabolism</i> , 2002, 20, 223-227.	1.3	4
135	Characteristics of lifetime factors, bone metabolism, and bone mineral density in patients with hip fracture. <i>Journal of Bone and Mineral Metabolism</i> , 2002, 20, 367-375.	1.3	19
136	Bone modeling controlled by a nickel-titanium shape memory alloy intramedullary nail. <i>Biomaterials</i> , 2002, 23, 2535-2543.	5.7	72
137	Effect of metal alloy surface stresses on the viability of ROS-17/2.8 osteoblastic cells. <i>Biomaterials</i> , 2002, 23, 3733-3740.	5.7	20
138	Mechanical properties in long bones of rat osteopetrotic mutations. <i>Journal of Biomechanics</i> , 2002, 35, 161-165.	0.9	50
139	Comparison of the bone modeling effects caused by curved and straight nickel-titanium intramedullary nails. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 1157-1161.	1.7	10
140	A metaphyseal defect model of the femur for studies of murine bone healing. <i>Bone</i> , 2001, 28, 423-429.	1.4	84
141	Bovine bone implant with bovine bone morphogenetic protein in healing a canine ulnar defect. <i>International Orthopaedics</i> , 2001, 25, 5-8.	0.9	17
142	Effects of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin on Bone in Two Rat Strains with Different Aryl Hydrocarbon Receptor Structures. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1812-1820.	3.1	107
143	Influence of the Upper Femur and Pelvic Geometry on the Risk and Type of Hip Fractures. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1540-1546.	3.1	95
144	Computerized in-situ test for bone conduction hearing aids. <i>Scandinavian Audiology</i> , 2001, 30, 79-80.	0.5	0

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145	Comparison of Radiographic and pQCT Analyses of Healing Rat Tibial Fractures. <i>Calcified Tissue International</i> , 2000, 66, 288-291.	1.5	32
146	FRESH TUBULAR LONG BONE AUTOGRAFTS AND ALLOGRAFTS IN THE HEALING OF CANINE ULNAR DEFECT FIXED WITH INTRAMEDULLARY KIRSCHNER WIRE. <i>Journal of Musculoskeletal Research</i> , 2000, 04, 55-62.	0.1	0
147	Femoral Neck Is a Sensitive Indicator of Bone Loss in Immobilized Hind Limb of Mouse. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1708-1713.	3.1	36
148	Expression Profiles of mRNAs for Osteoblast and Osteoclast Proteins as Indicators of Bone Loss in Mouse Immobilization Osteopenia Model. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1934-1942.	3.1	62
149	Femoral neck strength of mouse in two loading configurations. <i>Journal of Biomechanics</i> , 1998, 31, 723-729.	0.9	36
150	Comparison of three-point bending test and peripheral quantitative computed tomography analysis in the evaluation of the strength of mouse femur and tibia. <i>Bone</i> , 1998, 23, 155-161.	1.4	208
151	Technology in neonatal intensive care – a study on parents’ experiences*. <i>Technology and Health Care</i> , 1998, 6, 225-230.	0.5	24
152	A comparison of three vibrators in static posturography: the effect of vibration amplitude on body sway. <i>Medical Engineering and Physics</i> , 1996, 18, 405-409.	0.8	18
153	The mechanical strength of bone in different rat models of experimental osteoporosis. <i>Bone</i> , 1994, 15, 523-532.	1.4	170
154	A reflectance spectrophotometer-surface fluorometer suitable for monitoring changes in hemoprotein spectra and fluorescence of flavins and nicotinamide nucleotides in intact tissues. <i>Analytical Biochemistry</i> , 1982, 120, 365-372.	1.1	18
155	Shape Memory Alloys for Biomedical Applications. <i>Advances in Science and Technology</i> , 0, , 109-118.	0.2	0