

Timo J Järmsä

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1626428/publications.pdf>

Version: 2024-02-01

155
papers

17,691
citations

94433

37
h-index

17105

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. PLoS ONE, 2022, 17, e0263458. | 2.5 | 3 |
| 2 | Cross-Sectional Associations of Sedentary Behavior and Sitting with Serum Lipid Biomarkers in Midlife. Medicine and Science in Sports and Exercise, 2022, 54, 1261-1270. | 0.4 | 0 |
| 3 | Biomedical engineering in low- and middle-income settings: analysis of current state, challenges and best practices. Health and Technology, 2022, , 1-11. | 3.6 | 3 |
| 4 | Accelerometer-measured physical activity is associated with knee breadth in middle-aged Finns – a population-based study. BMC Musculoskeletal Disorders, 2022, 23, . | 1.9 | 1 |
| 5 | Discrimination of Low-Energy Acetabular Fractures from Controls Using Computed Tomography-Based Bone Characteristics. Annals of Biomedical Engineering, 2021, 49, 367-381. | 2.5 | 3 |
| 6 | The effect of body configuration on the strain magnitude and distribution within the acetabulum during sideways falls: A finite element approach. Journal of Biomechanics, 2021, 114, 110156. | 2.1 | 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. Lecture Notes in Computer Science, 2021, , 390-401. | 1.3 | 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. Applied Sciences (Switzerland), 2021, 11, 365. | 2.5 | 2 |
| 9 | Accumulation patterns of sedentary time and breaks and their association with cardiometabolic health markers in adults. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1489-1507. | 2.9 | 18 |
| 10 | Parental Factors Related to Physical Activity among Adolescent Men Living in Built and Natural Environment: A Population-Based MOPO Study. Journal of Environmental and Public Health, 2021, 2021, 1-9. | 0.9 | 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. Economics and Human Biology, 2021, 41, 100969. | 1.7 | 12 |
| 12 | Machine-learning models for activity class prediction: A comparative study of feature selection and classification algorithms. Gait and Posture, 2021, 89, 45-53. | 1.4 | 31 |
| 13 | Compositional Associations of Sleep and Activities within the 24-h Cycle with Cardiometabolic Health Markers in Adults. Medicine and Science in Sports and Exercise, 2021, 53, 324-332. | 0.4 | 28 |
| 14 | Association Between Vertebral Dimensions and Lumbar Modic Changes. Spine, 2021, 46, E415-E425. | 2.0 | 5 |
| 15 | Evaluating and Enhancing the Generalization Performance of Machine Learning Models for Physical Activity Intensity Prediction From Raw Acceleration Data. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 27-38. | 6.3 | 14 |
| 16 | Association between device-measured physical activity and lumbar Modic changes. BMC Musculoskeletal Disorders, 2020, 21, 630. | 1.9 | 2 |
| 17 | Correlates of physical activity behavior in adults: a data mining approach. International Journal of Behavioral Nutrition and Physical Activity, 2020, 17, 94. | 4.6 | 16 |
| 18 | Chronotypes and objectively measured physical activity and sedentary time at midlife. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1930-1938. | 2.9 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Association between chronic diseases and falls among a sample of older people in Finland. BMC Geriatrics, 2020, 20, 225. | 2.7 | 35 |
| 20 | Polygenic Risk Scores and Physical Activity. Medicine and Science in Sports and Exercise, 2020, 52, 1518-1524. | 0.4 | 13 |
| 21 | Feasibility of a Persuasive mHealth Behavioural Change Intervention in Promoting Physical Activity in the Workplace (Preprint). JMIR Formative Research, 2020, 4, e15083. | 1.4 | 25 |
| 22 | Impact of Physical Health and Exercise Activity on Online User Experience: Elderly People and High Risk for Diabetes. Lecture Notes in Information Systems and Organisation, 2020, , 315-325. | 0.6 | 0 |
| 23 | Structural risk factors for low-energy acetabular fractures. Bone, 2019, 127, 334-342. | 2.9 | 6 |
| 24 | Physical activity is associated with cardiac autonomic function in adolescent men. PLoS ONE, 2019, 14, e0222121. | 2.5 | 16 |
| 25 | Associations of fitness and physical activity with orthostatic responses of heart rate and blood pressure at midlife. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 874-885. | 2.9 | 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. BMC Public Health, 2019, 19, 21. | 2.9 | 28 |
| 27 | Effect of Physical Activity on Plasma PCSK9 in Subjects With High Risk for Type 2 Diabetes. Frontiers in Physiology, 2019, 10, 456. | 2.8 | 9 |
| 28 | Intensity and temporal patterns of physical activity and cardiovascular disease risk in midlife. Preventive Medicine, 2019, 124, 33-41. | 3.4 | 27 |
| 29 | Accelerometry-Based Characteristics of Overall Sedentary Behavior and Sitting in Middle-Aged Adults. Measurement in Physical Education and Exercise Science, 2019, 23, 249-257. | 1.8 | 4 |
| 30 | Prolonged bouts of sedentary time and cardiac autonomic function in midlife. Translational Sports Medicine, 2019, 2, 341-350. | 1.1 | 9 |
| 31 | Nocturnal finger skin temperature in menstrual cycle tracking: ambulatory pilot study using a wearable Oura ring. BMC Women's Health, 2019, 19, 150. | 2.0 | 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. International Journal of Behavioral Nutrition and Physical Activity, 2019, 16, 88. | 4.6 | 12 |
| 33 | 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 |
| 34 | Calibration and validation of accelerometer-based activity monitors: A systematic review of machine-learning approaches. Gait and Posture, 2019, 68, 285-299. | 1.4 | 90 |
| 35 | Perceived loneliness among home-dwelling older adults with and without memory disorder: A population-based study. Nordic Journal of Nursing Research, 2019, 39, 76-84. | 1.5 | 2 |
| 36 | Mobile Phone and Wearable Sensor-Based mHealth Approaches for Psychiatric Disorders and Symptoms: Systematic Review. JMIR Mental Health, 2019, 6, e9819. | 3.3 | 90 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Technologies for fall risk assessment and conceptual design in personal health record system. Finnish Journal of EHealth and EWelfare, 2019, 11, 53-67. | 0.1 | 3 |
| 38 | Feasibility of mobile mental wellness training for older adults. Geriatric Nursing, 2018, 39, 499-505. | 1.9 | 20 |
| 39 | Assistive technologies at home for people with a memory disorder. Dementia, 2018, 17, 909-923. | 2.0 | 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. | 0.5 | 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. | 8.5 | 28 |
| 43 | Raccoon dog model shows preservation of bone during prolonged catabolism and reduced physical activity. Journal of Experimental Biology, 2017, 220, 2196-2202. | 1.7 | 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. | 1.7 | 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. | 3.3 | 2 |
| 46 | Fitness, Fatness, Physical Activity, and Autonomic Function in Midlife. Medicine and Science in Sports and Exercise, 2017, 49, 2459-2468. | 0.4 | 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. | 4.3 | 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. | 3.7 | 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. | 0.6 | 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. | 2.5 | 19 |
| 53 | Measuring Physical Activity in Free-Living Conditionsâ€”Comparison of Three Accelerometry-Based Methods. Frontiers in Physiology, 2016, 7, 681. | 2.8 | 39 |
| 54 | Software Design Principles for Digital Behavior Change Interventions - Lessons Learned from the MOPO Study. , 2016, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | RELATIONSHIP BETWEEN WEIGHT CHANGE AND CHANGES IN 3D ACCELERATION SIGNALS GENERATED BY WALKING. Journal of Mechanism in Medicine and Biology, 2015, 15, 1550080. | 0.7 | 0 |
| 56 | 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. | 1.8 | 52 |
| 57 | Effects of Exercise on Patellar Cartilage in Women with Mild Knee Osteoarthritis. Medicine and Science in Sports and Exercise, 2015, 47, 1767-1774. | 0.4 | 29 |
| 58 | Profiles of sedentary and non-sedentary young men – a population-based MOPO study. BMC Public Health, 2015, 15, 1164. | 2.9 | 13 |
| 59 | Sensitivity and False Alarm Rate of a Fall Sensor in Long-Term Fall Detection in the Elderly. Gerontology, 2015, 61, 61-68. | 2.8 | 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. International Journal of Obesity, 2014, 38, 1089-1096. | 3.4 | 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. Journal of Bone and Mineral Research, 2014, 29, 192-201. | 2.8 | 55 |
| 64 | A novel methodology for generating 3D finite element models of the hip from 2D radiographs. Journal of Biomechanics, 2014, 47, 438-444. | 2.1 | 23 |
| 65 | Quantification of differences in bone texture from plain radiographs in knees with and without osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 1724-1731. | 1.3 | 34 |
| 66 | Association between low-frequency ultrasound and hip fractures – comparison with DXA-based BMD. BMC Musculoskeletal Disorders, 2014, 15, 208. | 1.9 | 6 |
| 67 | Quality of the Wireless Electrocardiogram Signal During Physical Exercise in Different Age Groups. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1058-1064. | 6.3 | 14 |
| 68 | Assessment of Risk of Femoral Neck Fracture with Radiographic Texture Parameters: A Retrospective Study. Radiology, 2014, 272, 184-191. | 7.3 | 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. European Radiology, 2013, 23, 1375-1382. | 4.5 | 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. Osteoporosis International, 2013, 24, 723-730. | 3.1 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 2.8 | 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. | 2.9 | 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. | 1.1 | 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. | 2.8 | 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. | 2.1 | 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. | 2.5 | 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. | 2.9 | 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. | 1.4 | 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. | 1.9 | 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. | 2.9 | 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. | 2.9 | 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. | 2.9 | 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. | 2.9 | 37 |
| 88 | Measurement of osteogenic exercise – how to interpret accelerometric data?. <i>Frontiers in Physiology</i> , 2011, 2, 73. | 2.8 | 12 |
| 89 | Reindeer bone extract can heal the critical-size rat femur defect. <i>International Orthopaedics</i> , 2011, 35, 615-622. | 1.9 | 10 |
| 90 | Calcium Sulfate with Stearic Acid as an Encouraging Carrier for Reindeer Bone Protein Extract. <i>Materials</i> , 2011, 4, 1321-1332. | 2.9 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 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. | 0.4 | 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. | 3.1 | 38 |
| 93 | Structural Asymmetry Between the Hips and Its Relation to Experimental Fracture Type. <i>Calcified Tissue International</i> , 2010, 87, 203-210. | 3.1 | 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. | 3.1 | 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. | 2.7 | 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. | 2.8 | 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. | 3.6 | 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. | 2.1 | 47 |
| 99 | Daily impact score in long-term acceleration measurements of exercise. <i>Journal of Biomechanics</i> , 2010, 43, 1960-1964. | 2.1 | 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. | 4.2 | 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. | 1.0 | 12 |
| 102 | Dual-energy digital radiography for the assessment of bone mineral density. <i>Acta Radiologica</i> , 2010, 51, 543-548. | 1.1 | 4 |
| 103 | Neuromuscular performance and body mass as indices of bone loading in premenopausal and postmenopausal women. <i>Bone</i> , 2010, 46, 964-969. | 2.9 | 27 |
| 104 | Development of a Low Temperature Sol-Gel-Derived Titania-Silica Implant Coating. <i>Materials Sciences and Applications</i> , 2010, 01, 118-126. | 0.4 | 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. | 1.9 | 14 |
| 108 | Effect of impact exercise on bone metabolism. <i>Osteoporosis International</i> , 2009, 20, 1725-1733. | 3.1 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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. | 1.5 | 13 |
| 110 | Sensitivity and specificity of fall detection in people aged 40 years and over. <i>Gait and Posture</i> , 2009, 29, 571-574. | 1.4 | 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. | 0.8 | 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. | 0.4 | 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. | 3.1 | 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. | 2.1 | 0 |
| 116 | Comparison of low-complexity fall detection algorithms for body attached accelerometers. <i>Gait and Posture</i> , 2008, 28, 285-291. | 1.4 | 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. | 0.4 | 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. | 2.9 | 117 |
| 120 | Biocompatibility-related surface characteristics of oxidized NiTi. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 810-819. | 4.0 | 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. | 2.1 | 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. | 3.6 | 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. | 3.3 | 21 |
| 124 | Effect of daily physical activity on proximal femur. <i>Clinical Biomechanics</i> , 2006, 21, 1-7. | 1.2 | 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. | 2.8 | 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. | 2.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Intensity of exercise is associated with bone density change in premenopausal women. Osteoporosis International, 2006, 17, 455-463. | 3.1 | 154 |
| 128 | Shape Memory Alloys for Biomedical Applications. Advances in Science and Technology, 2006, 49, 109. | 0.2 | 29 |
| 129 | Effects of high-impact exercise on bone mineral density: a randomized controlled trial in premenopausal women. Osteoporosis International, 2005, 16, 191-197. | 3.1 | 146 |
| 130 | Effect of gamma irradiation on the osteoinductivity of morphogenetic protein extract from reindeer bone. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 76, 231-236. | 3.3 | 11 |
| 131 | Effects of In Utero and Lactational TCDD Exposure on Bone Development in Differentially Sensitive Rat Lines. Toxicological Sciences, 2005, 85, 1003-1012. | 3.1 | 82 |
| 132 | Combination of bone mineral density and upper femur geometry improves the prediction of hip fracture. Osteoporosis International, 2004, 15, 274-280. | 3.1 | 138 |
| 133 | Adenoviral VEGF gene transfer induces angiogenesis and promotes bone formation in healing osseous tissues. Journal of Gene Medicine, 2003, 5, 560-566. | 2.8 | 125 |
| 134 | Microstructural properties of bone in rat vertebra after long-term clodronate treatment. Journal of Bone and Mineral Metabolism, 2002, 20, 223-227. | 2.7 | 4 |
| 135 | Characteristics of lifetime factors, bone metabolism, and bone mineral density in patients with hip fracture. Journal of Bone and Mineral Metabolism, 2002, 20, 367-375. | 2.7 | 19 |
| 136 | Bone modeling controlled by a nickel-titanium shape memory alloy intramedullary nail. Biomaterials, 2002, 23, 2535-2543. | 11.4 | 72 |
| 137 | Effect of metal alloy surface stresses on the viability of ROS-17/2.8 osteoblastic cells. Biomaterials, 2002, 23, 3733-3740. | 11.4 | 20 |
| 138 | Mechanical properties in long bones of rat osteopetrotic mutations. Journal of Biomechanics, 2002, 35, 161-165. | 2.1 | 50 |
| 139 | Comparison of the bone modeling effects caused by curved and straight nickel-titanium intramedullary nails. Journal of Materials Science: Materials in Medicine, 2002, 13, 1157-1161. | 3.6 | 10 |
| 140 | A metaphyseal defect model of the femur for studies of murine bone healing. Bone, 2001, 28, 423-429. | 2.9 | 84 |
| 141 | Bovine bone implant with bovine bone morphogenetic protein in healing a canine ulnar defect. International Orthopaedics, 2001, 25, 5-8. | 1.9 | 17 |
| 142 | Effects of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin on Bone in Two Rat Strains with Different Aryl Hydrocarbon Receptor Structures. Journal of Bone and Mineral Research, 2001, 16, 1812-1820. | 2.8 | 107 |
| 143 | Influence of the Upper Femur and Pelvic Geometry on the Risk and Type of Hip Fractures. Journal of Bone and Mineral Research, 2001, 16, 1540-1546. | 2.8 | 95 |
| 144 | Computerized in-situ test for bone conduction hearing aids. Scandinavian Audiology, 2001, 30, 79-80. | 0.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Comparison of Radiographic and pQCT Analyses of Healing Rat Tibial Fractures. <i>Calcified Tissue International</i> , 2000, 66, 288-291. | 3.1 | 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. | 0.2 | 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. | 2.8 | 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. | 2.8 | 62 |
| 149 | Femoral neck strength of mouse in two loading configurations. <i>Journal of Biomechanics</i> , 1998, 31, 723-729. | 2.1 | 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. | 2.9 | 208 |
| 151 | Technology in neonatal intensive care – a study on parents’ experiences*. <i>Technology and Health Care</i> , 1998, 6, 225-230. | 1.2 | 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. | 1.7 | 18 |
| 153 | The mechanical strength of bone in different rat models of experimental osteoporosis. <i>Bone</i> , 1994, 15, 523-532. | 2.9 | 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. | 2.4 | 18 |
| 155 | Shape Memory Alloys for Biomedical Applications. <i>Advances in Science and Technology</i> , 0, , 109-118. | 0.2 | 0 |