

Claus-C GlÃ¼er

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8875530/publications.pdf>

Version: 2024-02-01

186
papers

19,626
citations

17440

63
h-index

10734

138
g-index

205
all docs

205
docs citations

205
times ranked

13281
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of Vertebral Fracture Risk in Postmenopausal Women With Osteoporosis Treated With Raloxifene¹; Results From a 3-Year Randomized Clinical Trial². JAMA - Journal of the American Medical Association, 1999, 282, 637.	7.4	2,938
2	Accurate assessment of precision errors: How to measure the reproducibility of bone densitometry techniques. Osteoporosis International, 1995, 5, 262-270.	3.1	1,175
3	An Update on the Diagnosis and Assessment of Osteoporosis with Densitometry. Osteoporosis International, 2000, 11, 192-202.	3.1	799
4	Noninvasive assessment of bone mineral and structure: State of the art. Journal of Bone and Mineral Research, 1996, 11, 707-730.	2.8	786
5	Simple measurement of femoral geometry predicts hip fracture: The study of osteoporotic fractures. Journal of Bone and Mineral Research, 1993, 8, 1211-1217.	2.8	606
6	Universal standardization for dual X-ray absorptiometry: Patient and phantom cross-calibration results. Journal of Bone and Mineral Research, 1994, 9, 1503-1514.	2.8	534
7	A Meta-Analysis of Trabecular Bone Score in Fracture Risk Prediction and Its Relationship to FRAX. Journal of Bone and Mineral Research, 2016, 31, 940-948.	2.8	508
8	Quantitative Ultrasound Techniques for the Assessment of Osteoporosis: Expert Agreement on Current Status. Journal of Bone and Mineral Research, 1997, 12, 1280-1288.	2.8	435
9	Prebiotics, Probiotics, and Synbiotics Affect Mineral Absorption, Bone Mineral Content, and Bone Structure^{1, 2}. Journal of Nutrition, 2007, 137, 838S-846S.	2.9	426
10	Three quantitative ultrasound parameters reflect bone structure. Calcified Tissue International, 1994, 55, 46-52.	3.1	406
11	Quantification of articular cartilage in the knee with pulsed saturation transfer subtraction and fat-suppressed MR imaging: optimization and validation.. Radiology, 1994, 192, 485-491.	7.3	393
12	A Meta-Analysis of the Association of Fracture Risk and Body Mass Index in Women. Journal of Bone and Mineral Research, 2014, 29, 223-233.	2.8	388
13	Trabecular bone score (TBS) as a new complementary approach for osteoporosis evaluation in clinical practice. Bone, 2015, 78, 216-224.	2.9	362
14	Comparisons of Noninvasive Bone Mineral Measurements in Assessing Age-Related Loss, Fracture Discrimination, and Diagnostic Classification. Journal of Bone and Mineral Research, 1997, 12, 697-711.	2.8	337
15	Broadband ultrasound attenuation signals depend on trabecular orientation: An in vitro study. Osteoporosis International, 1993, 3, 185-191.	3.1	269
16	Association of Five Quantitative Ultrasound Devices and Bone Densitometry With Osteoporotic Vertebral Fractures in a Population-Based Sample: The OPUS Study. Journal of Bone and Mineral Research, 2004, 19, 782-793.	2.8	240
17	Genome-Wide Association Study Using Extreme Truncation Selection Identifies Novel Genes Affecting Bone Mineral Density and Fracture Risk. PLoS Genetics, 2011, 7, e1001372.	3.5	233
18	Evaluation of water content by spatially resolved transverse relaxation times of human articular cartilage. Magnetic Resonance Imaging, 2000, 18, 423-430.	1.8	227

#	ARTICLE	IF	CITATIONS
19	Monitoring Skeletal Changes by Radiological Techniques. Journal of Bone and Mineral Research, 1999, 14, 1952-1962.	2.8	215
20	Prediction of hip fractures from pelvic radiographs: The study of osteoporotic fractures. Journal of Bone and Mineral Research, 1994, 9, 671-677.	2.8	205
21	A two-year program of aerobics and weight training enhances bone mineral density of young women. Journal of Bone and Mineral Research, 1995, 10, 574-585.	2.8	205
22	Phalangeal Osteosonogrammetry Study: Age-Related Changes, Diagnostic Sensitivity, and Discrimination Power. Journal of Bone and Mineral Research, 2000, 15, 1603-1614.	2.8	204
23	Universal Standardization of Bone Density Measurements: A Method with Optimal Properties for Calibration Among Several Instruments. Journal of Bone and Mineral Research, 1997, 12, 1463-1470.	2.8	199
24	Accuracy of Bioelectrical Impedance Consumer Devices for Measurement of Body Composition in Comparison to Whole Body Magnetic Resonance Imaging and Dual X-Ray Absorptiometry. Obesity Facts, 2008, 1, 319-324.	3.4	197
25	What is the best reference site for a single MRI slice to assess whole-body skeletal muscle and adipose tissue volumes in healthy adults?. American Journal of Clinical Nutrition, 2015, 102, 58-65.	4.7	195
26	Broadband ultrasound attenuation predicts fractures strongly and independently of densitometry in older women. A prospective study. Study of Osteoporotic Fractures Research Group. Archives of Internal Medicine, 1997, 157, 629-34.	3.8	189
27	Metabolic adaptation to caloric restriction and subsequent refeeding: the Minnesota Starvation Experiment revisited. American Journal of Clinical Nutrition, 2015, 102, 807-819.	4.7	188
28	Management of Aromatase Inhibitor-Associated Bone Loss (AIBL) in postmenopausal women with hormone sensitive breast cancer: Joint position statement of the IOF, CABS, ECTS, IEG, ESCEO, IMS, and SIOG. Journal of Bone Oncology, 2017, 7, 1-12.	2.4	181
29	A New Method for Quantitative Ultrasound Measurements at Multiple Skeletal Sites. Journal of Clinical Densitometry, 2000, 3, 1-7.	1.2	170
30	Impact of Spinal Degenerative Changes on the Evaluation of Bone Mineral Density with Dual Energy X-Ray Absorptiometry (DXA). Calcified Tissue International, 1997, 60, 430-433.	3.1	161
31	Measurement Site for Waist Circumference Affects Its Accuracy As an Index of Visceral and Abdominal Subcutaneous Fat in a Caucasian Population ., Journal of Nutrition, 2010, 140, 954-961.	2.9	161
32	Osteoporosis: association of recent fractures with quantitative US findings.. Radiology, 1996, 199, 725-732.	7.3	159
33	Quantitative ultrasound and vertebral fracture in postmenopausal women. Journal of Bone and Mineral Research, 1995, 10, 353-358.	2.8	159
34	Spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique.. Radiology, 1990, 175, 537-543.	7.3	150
35	Spinal bone mineral assessment in postmenopausal women: A comparison between dual X-ray absorptiometry and quantitative computed tomography. Osteoporosis International, 1995, 5, 433-439.	3.1	150
36	Comparative effects of teriparatide and risedronate in glucocorticoid-induced osteoporosis in men: 18-month results of the EuroGIOPs trial. Journal of Bone and Mineral Research, 2013, 28, 1355-1368.	2.8	147

#	ARTICLE	IF	CITATIONS
37	Comparative assessment of dual-photon absorptiometry and dual-energy radiography.. Radiology, 1990, 174, 223-228.	7.3	140
38	Does Combining the Results from Multiple Bone Sites Measured by a New Quantitative Ultrasound Device Improve Discrimination of Hip Fracture?. Journal of Bone and Mineral Research, 1999, 14, 644-651.	2.8	140
39	Site-matched calcaneal measurements of broad-band ultrasound attenuation and single X-ray absorptiometry: Do they measure different skeletal properties?. Journal of Bone and Mineral Research, 1992, 7, 1071-1079.	2.8	139
40	Influence of degenerative joint disease on spinal bone mineral measurements in postmenopausal women. Calcified Tissue International, 1995, 57, 169-174.	3.1	135
41	Contribution of individual organ mass loss to weight loss-associated decline in resting energy expenditure. American Journal of Clinical Nutrition, 2009, 90, 993-1001.	4.7	134
42	Estimates of volumetric bone density from projectional measurements improve the discriminatory capability of dual X-ray absorptiometry. Journal of Bone and Mineral Research, 1995, 10, 1101-1110.	2.8	131
43	Assessment of the skeletal status by peripheral quantitative computed tomography of the forearm: Short-term precision in vivo and comparison to dual X-ray absorptiometry. Journal of Bone and Mineral Research, 1995, 10, 1566-1576.	2.8	114
44	Cancer-associated bone disease. Osteoporosis International, 2013, 24, 2929-2953.	3.1	113
45	Assessment of the Geometry of Human Finger Phalanges Using Quantitative Ultrasound In Vivo. Osteoporosis International, 2000, 11, 745-755.	3.1	109
46	Mechanical strength of the thoracolumbar spine in the elderly: prediction from in situ dual-energy X-ray absorptiometry, quantitative computed tomography (QCT), upper and lower limb peripheral QCT, and quantitative ultrasound. Bone, 2002, 31, 77-84.	2.9	105
47	High resolution quantitative computed tomography-based assessment of trabecular microstructure and strength estimates by finite-element analysis of the spine, but not DXA, reflects vertebral fracture status in men with glucocorticoid-induced osteoporosis. Bone, 2013, 52, 568-577.	2.9	102
48	Impact of Marrow Fat on Accuracy of Quantitative CT. Journal of Computer Assisted Tomography, 1989, 13, 1023-1035.	0.9	95
49	German Pediatric Reference Data for Quantitative Transverse Transmission Ultrasound of Finger Phalanges. Osteoporosis International, 2002, 13, 55-61.	3.1	93
50	TBS result is not affected by lumbar spine osteoarthritis. Osteoporosis International, 2014, 25, 1759-1764.	3.1	93
51	Influence of methods used in body composition analysis on the prediction of resting energy expenditure. European Journal of Clinical Nutrition, 2007, 61, 582-589.	2.9	89
52	Assessing Bone Status Beyond BMD: Evaluation of Bone Geometry and Porosity by Quantitative Ultrasound of Human Finger Phalanges. Journal of Bone and Mineral Research, 2004, 19, 924-930.	2.8	85
53	Noninvasive measurements of bone mass, structure, and strength: current methods and experimental techniques.. American Journal of Roentgenology, 1991, 157, 1229-1237.	2.2	83
54	Biological Properties of Iron Oxide Nanoparticles for Cellular and Molecular Magnetic Resonance Imaging. International Journal of Molecular Sciences, 2011, 12, 12-23.	4.1	82

#	ARTICLE	IF	CITATIONS
55	Cross-calibration of liquid and solid QCT calibration standards: Corrections to the UCSF normative data. <i>Osteoporosis International</i> , 1993, 3, 36-42.	3.1	80
56	Quantitative CT assessment of the lumbar spine and radius in patients with osteoporosis.. <i>American Journal of Roentgenology</i> , 1996, 167, 133-140.	2.2	78
57	Vertebral Mineral Determination by Quantitative Computed Tomography (QCT). <i>Journal of Computer Assisted Tomography</i> , 1988, 12, 242-258.	0.9	77
58	Cross-calibration of DXA equipment: Upgrading from a hologic QDR 1000/W to a QDR 2000. <i>Calcified Tissue International</i> , 1993, 52, 79-84.	3.1	77
59	Dual X-ray absorptiometry quality control: Comparison of visual examination and process-control charts. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 626-637.	2.8	77
60	Is short vertebral height always an osteoporotic fracture? The Osteoporosis and Ultrasound Study (OPUS). <i>Bone</i> , 2007, 41, 5-12.	2.9	72
61	Effectiveness of a two-step population-based osteoporosis screening program using FRAX: the randomized Risk-stratified Osteoporosis Strategy Evaluation (ROSE) study. <i>Osteoporosis International</i> , 2018, 29, 567-578.	3.1	72
62	Quality assurance for bone densitometry research studies: Concept and impact. <i>Osteoporosis International</i> , 1993, 3, 227-235.	3.1	67
63	Common carotid artery bifurcation: preliminary results of CT angiography and color-coded duplex sonography compared with digital subtraction angiography.. <i>American Journal of Roentgenology</i> , 1997, 168, 361-365.	2.2	66
64	Effects of Parathyroid Hormone on Bone Mass, Bone Strength, and Bone Regeneration in Male Rats With Type 2 Diabetes Mellitus. <i>Endocrinology</i> , 2014, 155, 1197-1206.	2.8	62
65	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	14.6	60
66	Peripheral measurement techniques for the assessment of osteoporosis. <i>Seminars in Nuclear Medicine</i> , 1997, 27, 229-247.	4.6	59
67	Black-White Differences in Hip Geometry. <i>Osteoporosis International</i> , 1998, 8, 61-67.	3.1	59
68	Administration of romosozumab improves vertebral trabecular and cortical bone as assessed with quantitative computed tomography and finite element analysis. <i>Bone</i> , 2015, 81, 364-369.	2.9	59
69	How To Use Ultrasound for Risk Assessment: A Need for Defining Strategies. <i>Osteoporosis International</i> , 1999, 9, 193-195.	3.1	58
70	Measurement of bone mineral density: Current status. <i>American Journal of Medicine</i> , 1991, 91, S49-S53.	1.5	56
71	Which vertebrae should be assessed using lateral dual-energy X-ray absorptiometry of the lumbar spine. <i>Osteoporosis International</i> , 1995, 5, 196-204.	3.1	56
72	Gender differences in bone density, skeletal geometry, and fracture biomechanics.. <i>Radiology</i> , 1994, 190, 636-640.	7.3	55

#	ARTICLE	IF	CITATIONS
73	Quantitative Ultrasoundâ€”It is time to focus research efforts. <i>Bone</i> , 2007, 40, 9-13.	2.9	54
74	Apolipoprotein E (<i>APOE</i>) genotype regulates body weight and fatty acid utilizationâ€”Studies in geneâ€”targeted replacement mice. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 334-343.	3.3	52
75	Femur ultrasound (FemUS)â€”first clinical results on hip fracture discrimination and estimation of femoral BMD. <i>Osteoporosis International</i> , 2010, 21, 969-976.	3.1	47
76	Age-Dependent Changes in Resting Energy Expenditure (REE): Insights from Detailed Body Composition Analysis in Normal and Overweight Healthy Caucasians. <i>Nutrients</i> , 2016, 8, 322.	4.1	47
77	Calcium isotope ratios in blood and urine: A new biomarker for the diagnosis of osteoporosis. <i>Bone Reports</i> , 2019, 10, 100200.	0.4	46
78	FRAXÂ®: Prediction of Major Osteoporotic Fractures in Women from the General Population: The OPUS Study. <i>PLoS ONE</i> , 2013, 8, e83436.	2.5	45
79	Assessment of osteoporosis: comparison of radiographic absorptiometry of the phalanges and dual X-ray absorptiometry of the radius and lumbar spine.. <i>Radiology</i> , 1997, 202, 759-763.	7.3	43
80	Impact of Intraâ€”and Extraâ€”Osseous Soft Tissue Composition on Changes in Bone Mineral Density With Weight Loss and Regain. <i>Obesity</i> , 2011, 19, 1503-1510.	3.0	43
81	Impact of body composition during weight change on resting energy expenditure and homeostasis model assessment index in overweight nonsmoking adults. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 779-791.	4.7	43
82	Assessment of fracture risk by bone density measurements. <i>Seminars in Nuclear Medicine</i> , 1997, 27, 261-275.	4.6	41
83	Interobserver variation in the detection of osteopenia by radiography and comparison with dual X-ray absorptiometry of the lumbar spine. <i>Skeletal Radiology</i> , 1994, 23, 195-9.	2.0	39
84	A device for in vivo measurements of quantitative ultrasound variables at the human proximal femur. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1197-1204.	3.0	39
85	In Vitro Effectiveness Study of Three Hydrodynamic Thrombectomy Devices. <i>Radiology</i> , 1999, 211, 433-439.	7.3	38
86	Estimation of Skeletal Muscle Mass and Visceral Adipose Tissue Volume by a Single Magnetic Resonance Imaging Slice in Healthy Elderly Adults. <i>Journal of Nutrition</i> , 2016, 146, 2143-2148.	2.9	38
87	Bone turnover markers after the menopause: T-score approach. <i>Bone</i> , 2018, 111, 44-48.	2.9	38
88	Assessment of phalangeal bone loss in patients with rheumatoid arthritis by quantitative ultrasound. <i>Annals of the Rheumatic Diseases</i> , 2001, 60, 670-677.	0.9	37
89	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
90	Bone densitometry: Current assessment. <i>Osteoporosis International</i> , 1993, 3, 91-97.	3.1	36

#	ARTICLE	IF	CITATIONS
91	Factors influencing short-term precision of dual X-ray bone absorptiometry (DXA) of spine and femur. <i>Calcified Tissue International</i> , 1995, 56, 19-25.	3.1	36
92	High resolution computed tomography of the vertebrae yields accurate information on trabecular distances if processed by 3D fuzzy segmentation approaches. <i>Bone</i> , 2009, 44, 145-152.	2.9	36
93	Quantitative ultrasound of cortical bone in the femoral neck predicts femur strength: Results of a pilot study. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 302-312.	2.8	36
94	Gender-Specific Associations in Age-Related Changes in Resting Energy Expenditure (REE) and MRI Measured Body Composition in Healthy Caucasians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 941-946.	3.6	36
95	30 years of DXA technology innovations. <i>Bone</i> , 2017, 104, 7-12.	2.9	35
96	Bone Densitometry: Current Status and Future Prospects. <i>British Journal of Radiology</i> , 1997, 70, S177-S186.	2.2	34
97	Characterization of the Integrity of Three-Dimensional Trabecular Bone Microstructure by Connectivity and Shape Analysis Using High-Resolution Magnetic Resonance Imaging In Vivo. <i>Topics in Magnetic Resonance Imaging</i> , 2002, 13, 357-363.	1.2	33
98	Multimodal [GdO] ⁺ [ICG] ⁺ Nanoparticles for Optical, Photoacoustic, and Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2017, 29, 3547-3554.	6.7	32
99	Quantitative ultrasound. <i>European Journal of Radiology</i> , 1995, 20, 188-192.	2.6	30
100	Prospective Identification of Postmenopausal Osteoporotic Women at High Vertebral Fracture Risk by Radiography, Bone Densitometry, Quantitative Ultrasound, and Laboratory Findings. <i>Journal of Clinical Densitometry</i> , 2005, 8, 386-395.	1.2	30
101	A new quality of bone ultrasound research. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1524-1528.	3.0	30
102	A digital model of trabecular bone. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 480-489.	2.8	30
103	In Vivo Measurements of Ultrasound Transmission Through the Human Proximal Femur. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 1186-1190.	1.5	29
104	The novel TRAIL-receptor agonist APC350 exerts superior therapeutic activity in pancreatic cancer cells. <i>Cell Death and Disease</i> , 2018, 9, 445.	6.3	29
105	Radiologic diagnosis of osteoporosis. Current methods and perspectives. <i>Radiologic Clinics of North America</i> , 1993, 31, 1133-45.	1.8	29
106	Restriction on an Energy-Dense Diet Improves Markers of Metabolic Health and Cellular Aging in Mice Through Decreasing Hepatic mTOR Activity. <i>Rejuvenation Research</i> , 2015, 18, 30-39.	1.8	28
107	Perspectives on the non-invasive evaluation of femoral strength in the assessment of hip fracture risk. <i>Osteoporosis International</i> , 2020, 31, 393-408.	3.1	27
108	A comparison of bone densitometry measurements of the central skeleton in post-menopausal women with and without vertebral fracture. <i>British Journal of Radiology</i> , 1995, 68, 747-753.	2.2	26

#	ARTICLE	IF	CITATIONS
109	Relationship between risk factors and QUS in a European Population: The OPUS study. <i>Bone</i> , 2006, 39, 609-615.	2.9	25
110	Influence of porosity, pore size, and cortical thickness on the propagation of ultrasonic waves guided through the femoral neck cortex: a simulation study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014, 61, 302-313.	3.0	24
111	Hyperthermic Fibrinolysis with rt-PA: In Vitro Results. <i>CardioVascular and Interventional Radiology</i> , 1998, 21, 142-145.	2.0	23
112	Quantitative ultrasound: Use in the detection of fractures and in the assessment of bone composition. <i>Current Osteoporosis Reports</i> , 2003, 1, 98-104.	3.6	23
113	Ibandronate treatment reverses glucocorticoid-induced loss of bone mineral density and strength in minipigs. <i>Bone</i> , 2007, 40, 645-655.	2.9	22
114	Three-dimensional Image Registration Improves the Long-term Precision of In Vivo Micro-Computed Tomographic Measurements in Anabolic and Catabolic Mouse Models. <i>Calcified Tissue International</i> , 2014, 94, 282-292.	3.1	22
115	Quantification of Knee Joint Fluid Volume by MR Imaging and CT using Three-dimensional Data Processing. <i>Journal of Computer Assisted Tomography</i> , 1989, 13, 287-293.	0.9	21
116	Restenosis of peripheral stents and stent grafts as revealed by intravascular sonography: in vivo comparison with angiography. <i>American Journal of Roentgenology</i> , 1998, 170, 1181-1185.	2.2	21
117	A variant in IL6ST with a selective IL-11 signaling defect in human and mouse. <i>Bone Research</i> , 2020, 8, 24.	11.4	21
118	Osteoporosis case ascertainment strategies in European and Asian countries: a comparative review. <i>Osteoporosis International</i> , 2021, 32, 817-829.	3.1	21
119	An extract from the Atlantic brown algae <i>Saccorhiza polyschides</i> counteracts diet-induced obesity in mice via a gut related multi-factorial mechanisms. <i>Oncotarget</i> , 2017, 8, 73501-73515.	1.8	20
120	Significance of QCT Bone Mineral Density and Its Standard Deviation as Parameters to Evaluate Osteoporosis. <i>Journal of Computer Assisted Tomography</i> , 1995, 19, 111-116.	0.9	19
121	Model-based estimation of quantitative ultrasound variables at the proximal femur. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1304-1315.	3.0	19
122	Prevalence of non-fracture short vertebral height is similar in premenopausal and postmenopausal women: the osteoporosis and ultrasound study. <i>Osteoporosis International</i> , 2012, 23, 1035-1040.	3.1	19
123	Modeling of Femoral Neck Cortical Bone for the Numerical Simulation of Ultrasound Propagation. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1015-1026.	1.5	19
124	A European multicenter comparison of quantitative ultrasound measurement variables: The OPUS study. <i>Osteoporosis International</i> , 2012, 23, 2815-2828.	3.1	18
125	Quantitative computed tomography (QCT) of the lumbar spine and appendicular skeleton. <i>European Journal of Radiology</i> , 1995, 20, 173-178.	2.6	17
126	Wavelet-Based Signal Processing of In Vitro Ultrasonic Measurements at the Proximal Femur. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 970-980.	1.5	17

#	ARTICLE	IF	CITATIONS
127	Increased survival rate by local release of diclofenac in a murine model of recurrent oral carcinoma. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5311-5321.	6.7	17
128	Extracellular matrix changes in knee joint cartilage following bone-active drug treatment. <i>Cell and Tissue Research</i> , 2006, 324, 279-289.	2.9	16
129	Endogenous Estradiol and The Risk of Incident Fracture in Postmenopausal Women: The OPUS Study. <i>Calcified Tissue International</i> , 2012, 91, 59-68.	3.1	16
130	Variations in vertebral body dimensions in women measured by 3D-XA: A longitudinal in vivo study. <i>Bone</i> , 2012, 50, 777-783.	2.9	15
131	Self-perceived fracture risk: factors underlying women's perception of risk for osteoporotic fractures: the Risk-Stratified Osteoporosis Strategy Evaluation study (ROSE). <i>Osteoporosis International</i> , 2015, 26, 689-697.	3.1	15
132	Changes in calibration standards for quantitative computed tomography: Recommendations for clinical practice. <i>Osteoporosis International</i> , 1993, 3, 286-287.	3.1	14
133	The preliminary evaluation of a 1 MHz ultrasound probe for measuring the elastic anisotropy of human cortical bone. <i>Ultrasonics</i> , 2014, 54, 4-10.	3.9	14
134	Osteoporotic fractures and subsequent fractures: imminent fracture risk from an analysis of German real-world claims data. <i>Archives of Gynecology and Obstetrics</i> , 2021, 304, 703-712.	1.7	14
135	Dynamic <i>in vivo</i> monitoring of fracture healing process in response to magnesium implant with multimodal imaging: pilot longitudinal study in a rat external fixation model. <i>Biomaterials Science</i> , 2022, 10, 1532-1543.	5.4	14
136	Evaluation of maximum neointima proliferation and plaque morphology in iliac self-expanding nitinol stents with intravascular sonography. <i>American Journal of Roentgenology</i> , 1998, 171, 1627-1630.	2.2	13
137	A low-radiation exposure protocol for 3D QCT of the spine. <i>Osteoporosis International</i> , 2014, 25, 983-992.	3.1	13
138	Assessment of Bone Fragility in Patients With Multiple Myeloma Using QCT-Based Finite Element Modeling. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 151-156.	2.8	13
139	Quality and performance measures in bone densitometry. <i>Osteoporosis International</i> , 2006, 17, 1449-1458.	3.1	12
140	Utilizing time-lapse micro-CT-correlated bisphosphonate binding kinetics and soft tissue-derived input functions to differentiate site-specific changes in bone metabolism in vivo. <i>Bone</i> , 2015, 74, 171-181.	2.9	12
141	Improved accuracy in the assessment of vertebral cortical thickness by quantitative computed tomography using the Iterative Convolution Optimization (ICON) method. <i>Bone</i> , 2019, 120, 194-203.	2.9	12
142	Changes in Cross-Sectional Area of Spinal Canal and Vertebral Body Under 2 Years of Teriparatide Treatment: Results from the EUROFORS Study. <i>Calcified Tissue International</i> , 2010, 87, 130-136.	3.1	11
143	Skeletal assessment with finite element analysis: relevance, pitfalls and interpretation. <i>Current Opinion in Rheumatology</i> , 2017, 29, 402-409.	4.3	11
144	Comparison of photoacoustic and fluorescence tomography for the in vivo imaging of ICG-labelled liposomes in the medullary cavity in mice. <i>Photoacoustics</i> , 2020, 20, 100210.	7.8	11

#	ARTICLE	IF	CITATIONS
145	Relationship between submaximal oxygen uptake, detailed body composition, and resting energy expenditure in overweight subjects. <i>American Journal of Human Biology</i> , 2015, 27, 397-406.	1.6	10
146	Tissue responses after implantation of biodegradable Mg alloys evaluated by multimodality 3D micro-CT bioimaging in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1521-1529.	4.0	10
147	2D and 3D Segmentation of Uncertain Local Collagen Fiber Orientations in SHG Microscopy. <i>Lecture Notes in Computer Science</i> , 2019, , 374-386.	1.3	10
148	Factors Influencing Long-Term in vivo Reproducibility of QCT (Vertebral Densitometry). <i>Journal of Computer Assisted Tomography</i> , 1993, 17, 915-921.	0.9	9
149	Tree-structured Subgroup Analysis of Receiver Operating Characteristic Curves for Diagnostic Tests. <i>Academic Radiology</i> , 2012, 19, 1529-1536.	2.5	9
150	Longitudinal micro-computed tomography monitoring of progressive liver regeneration in a mouse model of partial hepatectomy. <i>Laboratory Animals</i> , 2017, 51, 422-426.	1.0	9
151	Visualization of Flow Patterns From Stents and Stent-Grafts in an In Vitro Flow-Model. <i>Investigative Radiology</i> , 1998, 33, 762-770.	6.2	9
152	Application of ex vivo micro-computed tomography for assessment of in vivo fluorescence and plain radiographic imaging for monitoring bone metastases and osteolytic lesions. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 373-380.	2.7	8
153	A new algorithm for estimating the rod volume fraction and the trabecular thickness from in vivo computed tomography. <i>Medical Physics</i> , 2016, 43, 6598-6607.	3.0	8
154	Utilizing ICG Spectroscopical Properties for Real-Time Nanoparticle Release Quantification In vitro and In vivo in Imaging Setups. <i>Current Pharmaceutical Design</i> , 2020, 26, 3828-3833.	1.9	8
155	Functional and high-resolution computed tomographic studies of divers' lungs. <i>Scandinavian Journal of Work, Environment and Health</i> , 1999, 25, 67-74.	3.4	8
156	Validity of dual-photon absorptiometry.. <i>Radiology</i> , 1988, 166, 574-575.	7.3	7
157	Characterization of a new ultrasound device designed for measuring cortical porosity at the human tibia: A phantom study. <i>Ultrasonics</i> , 2017, 76, 183-191.	3.9	7
158	Clinical Applications. , 2011, , 73-81.		7
159	The use of bone densitometry in clinical practice. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2000, 14, 195-211.	4.7	6
160	Dasatinib prevents skeletal metastasis of osteotropic MDA-MB-231 cells in a xenograft mouse model. <i>Archives of Gynecology and Obstetrics</i> , 2020, 301, 1493-1502.	1.7	6
161	Tumor cell lysis and synergistically enhanced antibody-dependent cell-mediated cytotoxicity by NKG2D engagement with a bispecific immunoligand targeting the HER2 antigen. <i>Biological Chemistry</i> , 2021, .	2.5	6
162	In evaluating bone density for osteoporosis, are any of the available methods clearly superior?. <i>American Journal of Roentgenology</i> , 1996, 167, 1589-1590.	2.2	5

#	ARTICLE	IF	CITATIONS
163	Reduction of sampling bias of odds ratios for vertebral fractures using propensity scores. Osteoporosis International, 2006, 17, 507-520.	3.1	5
164	Acronyms in bone densitometry. Calcified Tissue International, 1992, 51, 449-449.	3.1	4
165	Noninvasive bone mineral density measurement in the evaluation of osteoporosis. Rheumatic Disease Clinics of North America, 1994, 20, 651-69.	1.9	4
166	Quantitative Ultrasound Measurements at the Heel: Improvement of Short- and Mid-Term Speed of Sound Precision. Ultrasound in Medicine and Biology, 2015, 41, 858-870.	1.5	3
167	Erratum. Radiology, 1992, 184, 878-878.	7.3	3
168	A fast low-noise line scan x-ray detector. Medical Physics, 1989, 16, 98-104.	3.0	2
169	Acronyms in bone densitometry. British Journal of Radiology, 1992, 65, 1148-1148.	2.2	2
170	Definition consensus workshop for the ultrasonic assessment of bone 15th December 1995 (Paris). Clinical Rheumatology, 1997, 16, 115-116.	2.2	2
171	Acronyms in bone densitometry. Journal of Bone and Mineral Research, 1992, 7, 1239-1239.	2.8	2
172	Modulation of Vitamin D Status and Dietary Calcium Affects Bone Mineral Density and Mineral Metabolism in Göttingen Minipigs. ISRN Rheumatology, 2013, 2013, 1-12.	1.9	2
173	Acronyms in bone densitometry. Medical Physics, 1992, 19, 1225-1225.	3.0	1
174	Letter to the editor. Bone, 1992, 13, 447.	2.9	1
175	Acronyms in bone densitometry. Skeletal Radiology, 1992, 21, 448-448.	2.0	1
176	Acronyms in bone densitometry. Osteoporosis International, 1992, 2, 224-224.	3.1	1
177	An Analysis by Synthesis Approach for Automatic Vertebral Shape Identification in Clinical QCT. Lecture Notes in Computer Science, 2019, , 73-88.	1.3	1
178	Quantitative ultrasound: Use in the detection of fractures and in the assessment of bone composition. Current Osteoporosis Reports, 2003, 1, 98-104.	3.6	1
179	Acronyms in bone densitometry. Bone and Mineral, 1992, 19, 97-98.	1.9	0
180	Acronyms in bone densitometry. European Journal of Radiology, 1992, 15, 299.	2.6	0

#	ARTICLE	IF	CITATIONS
181	Model to estimate the sound velocity in a circular wave guide in a through transmission measurement setup from multiple receivers. , 2015, , .		0
182	Obituary for Dieter Felsenberg. Osteoporosis International, 2021, 32, 1247-1248.	3.1	0
183	Bone Densitometry, Radiography, and Quantitative Ultrasound for the Diagnostic Assessment of Osteoporosis. , 2004, , 47-57.		0
184	An Analysis by Synthesis Method that Allows Accurate Spatial Modeling of Thickness of Cortical Bone from Clinical QCT. Lecture Notes in Computer Science, 2020, , 641-651.	1.3	0
185	In memoriam " Harry K Genant, MD. Bone, 2022, 157, 116326.	2.9	0
186	In Memoriam " Harry K. Genant, MD. Journal of Bone and Mineral Research, 2020, 37, 819-823.	2.8	0