

Klaus Engelke

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

11,216
citations

24978

57
h-index

33814

99
g-index

188
all docs

188
docs citations

188
times ranked

9814
citing authors

#	ARTICLE	IF	CITATIONS
1	BMD accuracy errors specific to phantomless calibration of CT scans of the lumbar spine. <i>Bone</i> , 2022, 157, 116304.	1.4	11
2	In memoriam “ Harry K Genant, MD. <i>Bone</i> , 2022, 157, 116326.	1.4	0
3	Differences in Hip Geometry Between Female Subjects With and Without Acute Hip Fracture: A Cross-Sectional Case-Control Study. <i>Frontiers in Endocrinology</i> , 2022, 13, 799381.	1.5	1
4	Muscle density is an independent risk factor of second hip fracture: a prospective cohort study. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1927-1937.	2.9	19
5	Dose-efficient assessment of trabecular microstructure using ultra-high-resolution photon-counting CT. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 403-416.	0.6	15
6	The effect of ageing on fat infiltration of thigh and paraspinal muscles in men. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 2089-2098.	1.4	12
7	Muscle Density, but Not Size, Correlates Well With Muscle Strength and Physical Performance. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 751-759.e2.	1.2	61
8	Segmentation of the fascia lata and reproducible quantification of intermuscular adipose tissue (IMAT) of the thigh. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 367-376.	1.1	10
9	Reliability and Change in Erosion Measurements by High-resolution Peripheral Quantitative Computed Tomography in a Longitudinal Dataset of Rheumatoid Arthritis Patients. <i>Journal of Rheumatology</i> , 2021, 48, 348-351.	1.0	6
10	Segmentation of the Fascia Lata in Magnetic Resonance Images of the Thigh. <i>Informatik Aktuell</i> , 2021, , 98-103.	0.4	0
11	Volumetric Bone Mineral Density in Cementless Total Hip Arthroplasty in Postmenopausal Women. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1072-1082.	1.4	8
12	Heterogenous bone response to biologic DMARD therapies in rheumatoid arthritis patients and their relationship to functional indices. <i>Scandinavian Journal of Rheumatology</i> , 2021, 50, 417-426.	0.6	2
13	The clinical application of high-resolution peripheral computed tomography (HR-pQCT) in adults: state of the art and future directions. <i>Osteoporosis International</i> , 2021, 32, 1465-1485.	1.3	51
14	Detraining Effects on Muscle Quality in Older Men with Osteosarcopenia. Follow-Up of the Randomized Controlled Franconian Osteopenia and Sarcopenia Trial (FrOST). <i>Nutrients</i> , 2021, 13, 1528.	1.7	6
15	Once Weekly Whole-Body Electromyostimulation Enhances Muscle Quality in Men: Data of the Randomized Controlled Franconian Electromyostimulation and Golf Study. <i>Frontiers in Physiology</i> , 2021, 12, 700423.	1.3	3
16	Romosozumab improves lumbar spine bone mass and bone strength parameters relative to alendronate in postmenopausal women: results from the Active-Controlled Fracture Study in Postmenopausal Women With Osteoporosis at High Risk (ARCH) trial. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2139-2152.	3.1	35
17	Effects of 16 Months of high intensity resistance training on thigh muscle fat infiltration in elderly men with osteosarcopenia. <i>GeroScience</i> , 2021, 43, 607-617.	2.1	13
18	CT Imaging: Basics and New Trends. , 2021, , 1173-1215.		0

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19	Hyperglycemia Is Not Associated With Higher Volumetric BMD in a Chinese Health Check-up Cohort. <i>Frontiers in Endocrinology</i> , 2021, 12, 794066.	1.5	2
20	Macroimaging. , 2020, , 1857-1886.		1
21	Magnetic Resonance Imaging and Bioelectrical Impedance Analysis to Assess Visceral and Abdominal Adipose Tissue. <i>Obesity</i> , 2020, 28, 277-283.	1.5	19
22	Effects of High Intensity Dynamic Resistance Exercise and Whey Protein Supplements on Osteosarcopenia in Older Men with Low Bone and Muscle Mass. Final Results of the Randomized Controlled FrOST Study. <i>Nutrients</i> , 2020, 12, 2341.	1.7	45
23	Associations of Muscle Size and Density With Proximal Femur Bone in a Community Dwelling Older Population. <i>Frontiers in Endocrinology</i> , 2020, 11, 503.	1.5	15
24	Lack of periosteal apposition in the head and neck of femur after menopause in Chinese women with high risk for hip fractures – A cross-sectional study with QCT. <i>Bone</i> , 2020, 139, 115545.	1.4	5
25	Muscle density discriminates hip fracture better than computed tomography X-ray absorptiometry hip areal bone mineral density. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1799-1812.	2.9	42
26	Effects of High-Intensity Resistance Training on Fitness and Fatness in Older Men With Osteosarcopenia. <i>Frontiers in Physiology</i> , 2020, 11, 1014.	1.3	14
27	A new method for quantitative assessment of hand muscle volume and fat in magnetic resonance images. <i>BMC Rheumatology</i> , 2020, 4, 72.	0.6	3
28	Guidelines for the assessment of bone density and microarchitecture in vivo using high-resolution peripheral quantitative computed tomography. <i>Osteoporosis International</i> , 2020, 31, 1607-1627.	1.3	181
29	A degenerative medial meniscus retains some protective effect against osteoarthritis-induced subchondral bone changes. <i>Bone Reports</i> , 2020, 12, 100271.	0.2	3
30	Interactions between Muscle and Bone – Where Physics Meets Biology. <i>Biomolecules</i> , 2020, 10, 432.	1.8	79
31	Impact of meniscal coverage on subchondral bone mineral density of the proximal tibia in female subjects – A cross-sectional in vivo study using QCT. <i>Bone</i> , 2020, 134, 115292.	1.4	4
32	Effects of High-Intensity Resistance Training on Osteopenia and Sarcopenia Parameters in Older Men with Osteosarcopenia – One-Year Results of the Randomized Controlled Franconian Osteopenia and Sarcopenia Trial (<sc>FrOST</sc>). <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1634-1644.	3.1	71
33	Opportunistic Screening Using Low-Dose CT and the Prevalence of Osteoporosis in China: A Nationwide, Multicenter Study. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 427-435.	3.1	109
34	CT Imaging: Basics and New Trends. , 2020, , 1-43.		0
35	Effect of Denosumab Compared With Risedronate on Bone Strength in Patients Initiating or Continuing Glucocorticoid Treatment. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1136-1146.	3.1	6
36	In Memoriam – Harry K. Genant, MD. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 819-823.	3.1	0

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37	A COMPARISON BETWEEN 6-POINT DIXON MRI AND MR SPECTROSCOPY TO QUANTIFY MUSCLE FAT IN THE THIGH OF SUBJECTS WITH SARCOPENIA. Journal of Frailty & Aging,the, 2019, 8, 1-6.	0.8	21
38	Next-generation imaging of the skeletal system and its blood supply. Nature Reviews Rheumatology, 2019, 15, 533-549.	3.5	46
39	Impact of reference point selection on DXA-based measurement of forearm bone mineral density. Archives of Osteoporosis, 2019, 14, 107.	1.0	4
40	Letter to the Editor. British Journal of Radiology, 2019, 92, 20190115.	1.0	5
41	Microcracks in subchondral bone plate is linked to less cartilage damage. Bone, 2019, 123, 1-7.	1.4	20
42	Feasibility of Dixon magnetic resonance imaging to quantify effects of physical training on muscle compositionâ€”A pilot study in young and healthy men. European Journal of Radiology, 2019, 114, 160-166.	1.2	12
43	Automated quantitative morphometry of vertebral heights on spinal radiographs: comparison of a clinical workflow tool with standard 6-point morphometry. Archives of Osteoporosis, 2019, 14, 18.	1.0	15
44	X-Ray Based Imaging Methods to Assess Bone Quality. , 2019, , 102-115.		0
45	Three-dimensional Distribution of Muscle and Adipose Tissue of the Thigh at CT: Association with Acute Hip Fracture. Radiology, 2019, 290, 426-434.	3.6	29
46	QCT of the femur: Comparison between QCTPro CTXA and MIAF Femur. Bone, 2019, 120, 262-270.	1.4	14
47	Biomechanical properties of bone are impaired in patients with ACPA-positive rheumatoid arthritis and associated with the occurrence of fractures. Annals of the Rheumatic Diseases, 2018, 77, 973-980.	0.5	31
48	Evaluation of 2-point, 3-point, and 6-point Dixon magnetic resonance imaging with flexible echo timing for muscle fat quantification. European Journal of Radiology, 2018, 103, 57-64.	1.2	64
49	Pitfalls in the measurement of muscle mass: a need for a reference standard. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 269-278.	2.9	482
50	Methods for segmentation of rheumatoid arthritis bone erosions in high-resolution peripheral quantitative computed tomography (HR-pQCT). Seminars in Arthritis and Rheumatism, 2018, 47, 611-618.	1.6	32
51	The authors reply: Letter on: â€œPitfalls in the measurement of muscle mass: a need for a reference standardâ€”by Clark et al.. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 1272-1274.	2.9	9
52	Quantitative analysis of skeletal muscle by computed tomography imagingâ€”State of the art. Journal of Orthopaedic Translation, 2018, 15, 91-103.	1.9	118
53	Repeatability of Dixon magnetic resonance imaging and magnetic resonance spectroscopy for quantitative muscle fat assessments in the thigh. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 1093-1100.	2.9	62
54	<i>The Authors reply</i>: â€œDual energy Xâ€ray absorptiometry: gold standard for muscle mass?â€”by Scafoglieri et al.. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 788-790.	2.9	3

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55	Advanced Knee Structure Analysis (AKSA): a comparison of bone mineral density and trabecular texture measurements using computed tomography and high-resolution peripheral quantitative computed tomography of human knee cadavers. <i>Arthritis Research and Therapy</i> , 2017, 19, 1.	1.6	68
56	Accuracy of bone mineral density quantification using dual-layer spectral detector CT: a phantom study. <i>European Radiology</i> , 2017, 27, 4351-4359.	2.3	60
57	Early Changes of the Cortical Micro-Channel System in the Bare Area of the Joints of Patients With Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2017, 69, 1580-1587.	2.9	35
58	Greater Gains in Spine and Hip Strength for Romosozumab Compared With Teriparatide in Postmenopausal Women With Low Bone Mass. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1956-1962.	3.1	70
59	Quantitative Computed Tomography—Current Status and New Developments. <i>Journal of Clinical Densitometry</i> , 2017, 20, 309-321.	0.5	95
60	Romosozumab (sclerostin monoclonal antibody) versus teriparatide in postmenopausal women with osteoporosis transitioning from oral bisphosphonate therapy: a randomised, open-label, phase 3 trial. <i>Lancet, The</i> , 2017, 390, 1585-1594.	6.3	313
61	Age- and Sex-Dependent Changes of Intra-articular Cortical and Trabecular Bone Structure and the Effects of Rheumatoid Arthritis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 722-730.	3.1	35
62	Effects of Romosozumab Compared With Teriparatide on Bone Density and Mass at the Spine and Hip in Postmenopausal Women With Low Bone Mass. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 181-187.	3.1	98
63	A reproducible semi-automatic method to quantify the muscle-lipid distribution in clinical 3D CT images of the thigh. <i>PLoS ONE</i> , 2017, 12, e0175174.	1.1	16
64	A new method to determine cortical bone thickness in CT images using a hybrid approach of parametric profile representation and local adaptive thresholds: Accuracy results. <i>PLoS ONE</i> , 2017, 12, e0187097.	1.1	13
65	Influence of meniscus on cartilage and subchondral bone features of knees from older individuals: A cadaver study. <i>PLoS ONE</i> , 2017, 12, e0181956.	1.1	12
66	Cartilage morphology assessed by high resolution micro-computed tomography in non OA knees. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 567-571.	0.6	14
67	Prediction of Hip Failure Load: In Vitro Study of 80 Femurs Using Three Imaging Methods and Finite Element Models—The European Fracture Study (EFFECT). <i>Radiology</i> , 2016, 280, 837-847.	3.6	38
68	Cortical Bone Thickness Estimation in CT Images: A Model-Based Approach Without Profile Fitting. <i>Lecture Notes in Computer Science</i> , 2016, , 64-73.	1.0	1
69	SAT0543—Accurate Determination of Periarticular Bone Composition in Healthy Individuals and Comparison To Acpa-Positive Rheumatoid Arthritis Patients. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 865.3-866.	0.5	0
70	Long-Term Exercise and Bone Mineral Density Changes in Postmenopausal Women—Are There Periods of Reduced Effectiveness?. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 215-222.	3.1	38
71	FEA to Measure Bone Strength: A Review. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2016, 14, 26-37.	1.3	56
72	Prevalence of sarcopenic obesity in Germany using established definitions. <i>Osteoporosis International</i> , 2016, 27, 275-281.	1.3	38

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73	QCT of the proximal femur— which parameters should be measured to discriminate hip fracture?. Osteoporosis International, 2016, 27, 1137-1147.	1.3	25
74	Inactivation of autophagy ameliorates glucocorticoid-induced and ovariectomy-induced bone loss. Annals of the Rheumatic Diseases, 2016, 75, 1203-1210.	0.5	98
75	AB0938—A Comparison of Two Methods To Segment Bone Erosions in The Metacarpophalangeal Joints of Rheumatoid Arthritis Patients. Annals of the Rheumatic Diseases, 2016, 75, 1222.2-1222.	0.5	0
76	Odanacatib Treatment Affects Trabecular and Cortical Bone in the Femur of Postmenopausal Women: Results of a Two-Year Placebo-Controlled Trial. Journal of Bone and Mineral Research, 2015, 30, 30-38.	3.1	41
77	Quantitative and Qualitative Changes of Bone in Psoriasis and Psoriatic Arthritis Patients. Journal of Bone and Mineral Research, 2015, 30, 1775-1783.	3.1	58
78	Whole-Body Electromyostimulation to Fight Osteopenia in Elderly Females: The Randomized Controlled Training and Electrostimulation Trial (TEST-III). Journal of Osteoporosis, 2015, 2015, 1-7.	0.1	41
79	Clinical Use of Quantitative Computed Tomography (QCT) of the Hip in the Management of Osteoporosis in Adults: the 2015 ISCD Official Positions—Part I. Journal of Clinical Densitometry, 2015, 18, 338-358.	0.5	96
80	Comparison of proximal femur and vertebral body strength improvements in the FREEDOM trial using an alternative finite element methodology. Bone, 2015, 81, 122-130.	1.4	47
81	Clinical Use of Quantitative Computed Tomography—Based Advanced Techniques in the Management of Osteoporosis in Adults: the 2015 ISCD Official Positions—Part III. Journal of Clinical Densitometry, 2015, 18, 393-407.	0.5	102
82	Executive Summary of the 2015 ISCD Position Development Conference on Advanced Measures From DXA and QCT: Fracture Prediction Beyond BMD. Journal of Clinical Densitometry, 2015, 18, 274-286.	0.5	213
83	Clinical Use of Quantitative Computed Tomography—Based Finite Element Analysis of the Hip and Spine in the Management of Osteoporosis in Adults: the 2015 ISCD Official Positions—Part II. Journal of Clinical Densitometry, 2015, 18, 359-392.	0.5	109
84	Automated three-dimensional registration of high-resolution peripheral quantitative computed tomography data to quantify size and shape changes of arthritic bone erosions. Rheumatology, 2015, 54, kev256.	0.9	20
85	Additive effect of anti-citrullinated protein antibodies and rheumatoid factor on bone erosions in patients with RA. Annals of the Rheumatic Diseases, 2015, 74, 2151-2156.	0.5	143
86	A Digital Model to Simulate Effects of Bone Architecture Variations on Texture at Spatial Resolutions of CT, HR-pQCT, and μ CT Scanners. Journal of Medical Engineering, 2014, 2014, 1-13.	1.1	5
87	Characterization and quantification of angiogenesis in rheumatoid arthritis in a mouse model using μ CT. BMC Musculoskeletal Disorders, 2014, 15, 298.	0.8	12
88	Characterization of knee osteoarthritis-related changes in trabecular bone using texture parameters at various levels of spatial resolution—a simulation study. BoneKey Reports, 2014, 3, 615.	2.7	5
89	The effect of in situ/in vitro three-dimensional quantitative computed tomography image voxel size on the finite element model of human vertebral cancellous bone. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 1208-1213.	1.0	7
90	The Effect of the Cathepsin K Inhibitor ONO-5334 on Trabecular and Cortical Bone in Postmenopausal Osteoporosis: The OCEAN Study. Journal of Bone and Mineral Research, 2014, 29, 629-638.	3.1	36

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91	Femoral and Vertebral Strength Improvements in Postmenopausal Women With Osteoporosis Treated With Denosumab. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 158-165.	3.1	98
92	Impact of whole-body electromyostimulation on body composition in elderly women at risk for sarcopenia: the Training and ElectroStimulation Trial (TEST-III). <i>Age</i> , 2014, 36, 395-406.	3.0	82
93	Accuracy of trabecular structure by HR-pQCT compared to gold standard μ CT in the radius and tibia of patients with osteoporosis and long-term bisphosphonate therapy. <i>Osteoporosis International</i> , 2014, 25, 1595-1606.	1.3	33
94	A low-radiation exposure protocol for 3D QCT of the spine. <i>Osteoporosis International</i> , 2014, 25, 983-992.	1.3	13
95	Segmentation and quantification of bone erosions in high-resolution peripheral quantitative computed tomography datasets of the metacarpophalangeal joints of patients with rheumatoid arthritis. <i>Rheumatology</i> , 2014, 53, 65-71.	0.9	65
96	Decreased Quantity and Quality of the Periarticular and Nonperiarticular Bone in Patients With Rheumatoid Arthritis: A Cross-Sectional HR-pQCT Study. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1005-1014.	3.1	56
97	Differences in bone structure between rheumatoid arthritis and psoriatic arthritis patients relative to autoantibody positivity. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 2022-2028.	0.5	31
98	Bone loss before the clinical onset of rheumatoid arthritis in subjects with anticitrullinated protein antibodies. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 854-860.	0.5	269
99	Finite element analyses of human vertebral bodies embedded in polymethylmethacrylate or loaded via the hyperelastic intervertebral disc models provide equivalent predictions of experimental strength. <i>Journal of Biomechanics</i> , 2014, 47, 2512-2516.	0.9	29
100	Quantitative Computer Tomography in Children and Adolescents: The 2013 ISCD Pediatric Official Positions. <i>Journal of Clinical Densitometry</i> , 2014, 17, 258-274.	0.5	89
101	Influence of 3D QCT scan protocol on the QCT-based finite element models of human vertebral cancellous bone. <i>Medical Engineering and Physics</i> , 2014, 36, 1069-1073.	0.8	8
102	Effect of block \times periodized exercise training on bone and coronary heart disease risk factors in early post \times menopausal women: a randomized controlled study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, 121-129.	1.3	33
103	Advanced CT based In Vivo Methods for the Assessment of Bone Density, Structure, and Strength. <i>Current Osteoporosis Reports</i> , 2013, 11, 246-255.	1.5	90
104	Improvements in hip trabecular, subcortical, and cortical density and mass in postmenopausal women with osteoporosis treated with denosumab. <i>Bone</i> , 2013, 56, 482-488.	1.4	59
105	Interleukin-6 receptor blockade induces limited repair of bone erosions in rheumatoid arthritis: a micro CT study. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 396-400.	0.5	98
106	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.	3.1	36
107	Bone marrow lesions identified by MRI in knee osteoarthritis are associated with \times locally increased bone mineral density measured by QCT. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 957-964.	0.6	34
108	Bone Density, Turnover, and Estimated Strength in Postmenopausal Women Treated With Odanacatib: A Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 571-580.	1.8	119

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109	Three-dimensional structural analysis of the proximal femur in an age-stratified sample of women. <i>Bone</i> , 2013, 55, 179-188.	1.4	32
110	Multicenter precision of cortical and trabecular bone quality measures assessed by high-resolution peripheral quantitative computed tomography. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 524-536.	3.1	98
111	Impact of Segmentation in Quantitative Computed Tomography. <i>Informatik Aktuell</i> , 2013, , 158-163.	0.4	1
112	FR10481 Anti-citrullinated protein antibodies but not rheumatoid factor are associated with larger bone erosions in RA patients- a cross-sectional HR-pQCT study. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A537.3-A538.	0.5	0
113	Assessment of bone quality and strength with new technologies. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2012, 19, 474-482.	1.2	19
114	RSK2 protects mice against TNF-induced bone loss. <i>Journal of Cell Science</i> , 2012, 125, 2160-71.	1.2	13
115	Short-term in vivo precision of BMD and parameters of trabecular architecture at the distal forearm and tibia. <i>Osteoporosis International</i> , 2012, 23, 2151-2158.	1.3	61
116	CT imaging for the investigation of subchondral bone in knee osteoarthritis. <i>Osteoporosis International</i> , 2012, 23, 861-865.	1.3	47
117	An Integrated Segmentation and Analysis Approach for QCT of the Knee to Determine Subchondral Bone Mineral Density and Texture. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2449-2458.	2.5	14
118	Ronacaleret, a calcium-sensing receptor antagonist, increases trabecular but not cortical bone in postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 255-262.	3.1	53
119	Exercise and fractures in postmenopausal women: 12-year results of the Erlangen Fitness and Osteoporosis Prevention Study (EFOPS). <i>Osteoporosis International</i> , 2012, 23, 1267-1276.	1.3	43
120	An in vivo comparison of hip structure analysis (HSA) with measurements obtained by QCT. <i>Osteoporosis International</i> , 2012, 23, 543-551.	1.3	50
121	CT Imaging: Basics and New Trends. , 2012, , 883-915.		3
122	Advanced imaging assessment of bone fragility in glucocorticoid-induced osteoporosis. <i>Bone</i> , 2011, 48, 1221-1231.	1.4	50
123	Effects of Whole-Body Vibration Training on Different Devices on Bone Mineral Density. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1071-1079.	0.2	78
124	In vivo discrimination of hip fracture with quantitative computed tomography: Results from the prospective European Femur Fracture Study (EFFECT). <i>Journal of Bone and Mineral Research</i> , 2011, 26, 881-893.	3.1	78
125	Repair of bone erosions in rheumatoid arthritis treated with tumour necrosis factor inhibitors is based on bone apposition at the base of the erosion. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1587-1593.	0.5	102
126	A comparative study of periarticular bone lesions in rheumatoid arthritis and psoriatic arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 122-127.	0.5	121

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127	Effect of exercise and Cimicifuga racemosa (CR BNO 1055) on bone mineral density, 10-year coronary heart disease risk, and menopausal complaints. <i>Menopause</i> , 2010, 17, 791-800.	0.8	35
128	Binary Segmentation Masks Can Improve Intrasubject Registration Accuracy of Bone Structures in CT Images. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2464-2472.	1.3	10
129	Volumetric DXA (VXA): A new method to extract 3D information from multiple in vivo DXA images. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2744-2751.	3.1	48
130	Periarticular bone structure in rheumatoid arthritis patients and healthy individuals assessed by high-resolution computed tomography. <i>Arthritis and Rheumatism</i> , 2010, 62, 330-339.	6.7	153
131	Looking beyond bone mineral density. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 45-56.	1.8	57
132	Potential of First Arriving Signal to Assess Cortical Bone Geometry at the Hip with QUS: A Model Based Study. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 656-666.	0.7	29
133	Exercise Effects on Bone Mineral Density, Falls, Coronary Risk Factors, and Health Care Costs in Older Women. <i>Archives of Internal Medicine</i> , 2010, 170, 179.	4.3	135
134	Comparison of anatomic coordinate systems with rigid multi-resolution 3D registration for the reproducible positioning of analysis volumes of interest in QCT. <i>Physics in Medicine and Biology</i> , 2010, 55, 1429-1439.	1.6	2
135	Regulatory T Cells Protect from Local and Systemic Bone Destruction in Arthritis. <i>Journal of Immunology</i> , 2010, 184, 7238-7246.	0.4	184
136	Regional distribution of spine and hip QCT BMD responses after one year of once-monthly ibandronate in postmenopausal osteoporosis. <i>Bone</i> , 2010, 46, 1626-1632.	1.4	31
137	Denosumab improves density and strength parameters as measured by QCT of the radius in postmenopausal women with low bone mineral density. <i>Bone</i> , 2010, 47, 131-139.	1.4	78
138	Exercise, Body Composition, and Functional Ability. <i>American Journal of Preventive Medicine</i> , 2010, 38, 279-287.	1.6	66
139	Once-Monthly Oral Ibandronate Improves Biomechanical Determinants of Bone Strength in Women with Postmenopausal Osteoporosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 171-180.	1.8	86
140	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.	1.4	36
141	Reanalysis precision of 3D quantitative computed tomography (QCT) of the spine. <i>Bone</i> , 2009, 44, 566-572.	1.4	48
142	Quantitative computed tomography (QCT) of the forearm using general purpose spiral whole-body CT scanners: Accuracy, precision and comparison with dual-energy X-ray absorptiometry (DXA). <i>Bone</i> , 2009, 45, 110-118.	1.4	93
143	Report 81. <i>Journal of the ICRU</i> , 2009, 9, NP.1-NP.	6.0	1
144	Binary Segmentation Masks for Registration of Bone Structures in CT Images. <i>Informatik Aktuell</i> , 2009, , 112-116.	0.4	0

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145	Macro- and Microimaging of Bone Architecture. , 2008, , 1905-1942.		3
146	Clinical Use of Quantitative Computed Tomography and Peripheral Quantitative Computed Tomography in the Management of Osteoporosis in Adults: The 2007 ISCD Official Positions. Journal of Clinical Densitometry, 2008, 11, 123-162.	0.5	430
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