

# Francoise Peyrin

## List of Publications by Year in descending order

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300  
papers

9,034  
citations

34493

54  
h-index

64407

83  
g-index

313  
all docs

313  
docs citations

313  
times ranked

8086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain virtual histology with X-ray phase-contrast tomography Part I: whole-brain myelin mapping in white-matter injury models. <i>Biomedical Optics Express</i> , 2022, 13, 1620.	1.5	8
2	Virtual monoenergetic images from photon-counting spectral computed tomography to assess knee osteoarthritis. <i>European Radiology Experimental</i> , 2022, 6, 10.	1.7	15
3	Impact of the training loss in deep learning-based CT reconstruction of bone microarchitecture. <i>Medical Physics</i> , 2022, , .	1.6	1
4	Interconnectivity Explains High Canalicular Network Robustness between Neighboring Osteocyte Lacunae in Human Bone. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	8
5	Impact of Anti-Angiogenic Treatment on Bone Vascularization in a Murine Model of Breast Cancer Bone Metastasis Using Synchrotron Radiation Micro-CT. <i>Cancers</i> , 2022, 14, 3443.	1.7	2
6	Quantification of the bone lacunocanalicular network from 3D X-ray phase nanotomography images. <i>Journal of Microscopy</i> , 2021, 282, 30-44.	0.8	6
7	Deep Expectation-Maximization For Image Reconstruction From Under-Sampled Poisson Data. , 2021, , .		2
8	Single-pixel image reconstruction from experimental data using neural networks. <i>Optics Express</i> , 2021, 29, 17097.	1.7	8
9	Cortical bone viscoelastic damping assessed with resonant ultrasound spectroscopy reflects porosity and mineral content. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 117, 104388.	1.5	6
10	Quantitative analysis of bone microvasculature in a mouse model using the monogenic signal phase asymmetry and marker-controlled watershed. <i>Physics in Medicine and Biology</i> , 2021, 66, 125005.	1.6	3
11	An experimentally informed statistical elasto-plastic mineralised collagen fibre model at the micrometre and nanometre lengthscale. <i>Scientific Reports</i> , 2021, 11, 15539.	1.6	8
12	Material Decomposition in Spectral CT Using Deep Learning: A Sim2Real Transfer Approach. <i>IEEE Access</i> , 2021, 9, 25632-25647.	2.6	18
13	3D denoised completion network for deep single-pixel reconstruction of hyperspectral images. <i>Optics Express</i> , 2021, 29, 39559.	1.7	4
14	What is the influence of two strain rates on the relationship between human cortical bone toughness and micro-structure?. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 247-254.	1.0	2
15	Recurrent Neural Networks for Compressive Video Reconstruction. , 2020, , .		3
16	Segmentation of Bone Vessels in 3D Micro-CT Images Using the Monogenic Signal Phase and Watershed. , 2020, , .		1
17	Assessment of the human bone lacuno-canalicular network at the nanoscale and impact of spatial resolution. <i>Scientific Reports</i> , 2020, 10, 4567.	1.6	27
18	3D analysis of the osteonal and interstitial tissue in human radii cortical bone. <i>Bone</i> , 2019, 127, 526-536.	1.4	12

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19	Influence of loading condition and anatomical location on human cortical bone linear micro-cracks. <i>Journal of Biomechanics</i> , 2019, 85, 59-66.	0.9	7
20	Technical Note: Relative proton stopping power estimation from virtual monoenergetic images reconstructed from dual-layer computed tomography. <i>Medical Physics</i> , 2019, 46, 1821-1828.	1.6	16
21	Homogenization of cortical bone reveals that the organization and shape of pores marginally affect elasticity. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180911.	1.5	20
22	Anisotropic elastic properties of human femoral cortical bone and relationships with composition and microstructure in elderly. <i>Acta Biomaterialia</i> , 2019, 90, 254-266.	4.1	31
23	Nonconvex Mixed TV/Cahn-Hilliard Functional for Super-Resolution/Segmentation of 3D Trabecular Bone Images. <i>Journal of Mathematical Imaging and Vision</i> , 2019, 61, 504-514.	0.8	0
24	Investigation of Semi-Coupled Dictionary Learning in 3-D Super Resolution HR-pQCT Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 129-136.	2.7	3
25	Label-free THG imaging of bone tissue microstructure: effect of low gravity on the lacuno-canalicular network. , 2019, , .		0
26	Evaluation of noise and blur effects with SIRT-FISTA-TV reconstruction algorithm: Application to fast environmental transmission electron tomography. <i>Ultramicroscopy</i> , 2018, 189, 109-123.	0.8	21
27	Relationships between human cortical bone toughness and collagen cross-links on paired anatomical locations. <i>Bone</i> , 2018, 112, 202-211.	1.4	20
28	Statistical content-adapted sampling (SCAS) for 3D Computed Tomography. <i>Computers in Biology and Medicine</i> , 2018, 92, 9-21.	3.9	5
29	Registration of phase-contrast images in propagation-based X-ray phase tomography. <i>Journal of Microscopy</i> , 2018, 269, 36-47.	0.8	7
30	An ADMM Algorithm for Constrained Material Decomposition in Spectral CT. , 2018, , .		1
31	Nonlinear material decomposition using a regularized iterative scheme based on the Bregman distance. <i>Inverse Problems</i> , 2018, 34, 124003.	1.0	12
32	Low-dose synchrotron nano-CT via compressed sensing. , 2018, , .		0
33	A constrained Gauss-Newton algorithm for material decomposition in spectral computed tomography. , 2018, , .		0
34	Time-resolved multispectral imaging based on an adaptive single-pixel camera. <i>Optics Express</i> , 2018, 26, 10550.	1.7	54
35	Evaluation of phase retrieval approaches in magnified X-ray phase nano computerized tomography applied to bone tissue. <i>Optics Express</i> , 2018, 26, 11110.	1.7	23
36	Broadband time-resolved multi-channel functional near-infrared spectroscopy system to monitor in vivo physiological changes of human brain activity. <i>Applied Optics</i> , 2018, 57, 6417.	0.9	16

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37	A Semi Nonnegative Matrix Factorization Technique for Pattern Generalization in Single-Pixel Imaging. IEEE Transactions on Computational Imaging, 2018, 4, 284-294.	2.6	12
38	3D micro structural analysis of human cortical bone in paired femoral diaphysis, femoral neck and radial diaphysis. Journal of Structural Biology, 2018, 204, 182-190.	1.3	20
39	Extraction of the 3D local orientation of myocytes in human cardiac tissue using X-ray phase-contrast micro-tomography and multi-scale analysis. Medical Image Analysis, 2017, 38, 117-132.	7.0	29
40	Cortical bone elasticity measured by resonant ultrasound spectroscopy is not altered by defatting and synchrotron X-ray imaging. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 241-245.	1.5	12
41	One-month spaceflight compromises the bone microstructure, tissue-level mechanical properties, osteocyte survival and lacunae volume in mature mice skeletons. Scientific Reports, 2017, 7, 2659.	1.6	80
42	Strain rate influence on human cortical bone toughness: A comparative study of four paired anatomical sites. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 71, 223-230.	1.5	26
43	Time-resolved wavelet-based acquisitions using a single-pixel camera. Proceedings of SPIE, 2017, , .	0.8	0
44	Adaptive Basis Scan by Wavelet Prediction for Single-Pixel Imaging. IEEE Transactions on Computational Imaging, 2017, 3, 36-46.	2.6	81
45	Regularization of nonlinear decomposition of spectral x-ray projection images. Medical Physics, 2017, 44, e174-e187.	1.6	65
46	Quantification of stiffness measurement errors in resonant ultrasound spectroscopy of human cortical bone. Journal of the Acoustical Society of America, 2017, 142, 2755-2765.	0.5	17
47	Spectral CT Material Decomposition in the Presence of Poisson Noise: A Kullback-Leibler Approach. Irbm, 2017, 38, 214-218.	3.7	2
48	Label-free imaging of bone multiscale porosity and interfaces using third-harmonic generation microscopy. Scientific Reports, 2017, 7, 3419.	1.6	62
49	Phase retrieval in 3D X-ray magnified phase nano CT: Imaging bone tissue at the nanoscale. , 2017, , .		3
50	Super-resolution/segmentation of 3D trabecular bone images with total variation and nonconvex Cahn-Hilliard functional. , 2017, , .		3
51	Estimation of the blurring kernel in experimental HR-pQCT images based on mutual information. , 2017, , .		0
52	Assessment of imaging quality in magnified phase CT of human bone tissue at the nanoscale. , 2017, , .		2
53	A Kullback-Leibler approach for 3D reconstruction of spectral CT data corrupted by Poisson noise. , 2017, , .		0
54	Sparse reconstruction methods in x-ray CT. , 2017, , .		0

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55	Surface delivery of tunable doses of BMP-2 from an adaptable polymeric scaffold induces volumetric bone regeneration. <i>Biomaterials</i> , 2016, 104, 168-181.	5.7	124
56	Proton therapy monitoring by Compton imaging: influence of the large energy spectrum of the prompt- $^{13}\text{P}$ radiation. <i>Physics in Medicine and Biology</i> , 2016, 61, 3127-3146.	1.6	29
57	Multiscale and multimodality computed tomography for cortical bone analysis. <i>Physics in Medicine and Biology</i> , 2016, 61, 8553-8576.	1.6	13
58	Quantitative evaluation of regularized phase retrieval algorithms on bone scaffolds seeded with bone cells. <i>Physics in Medicine and Biology</i> , 2016, 61, N215-N231.	1.6	7
59	Super-resolution/segmentation of 2D trabecular bone images by a Mumford-Shah approach and comparison to total variation. , 2016, , .		2
60	Multi-level tomography reconstructions with level-set and TV regularization methods. , 2016, , .		0
61	Adaptive acquisitions in biomedical optical imaging based on single pixel camera: Comparison with compressive sensing. , 2016, , .		2
62	Characterizing microcrack orientation distribution functions in osteonal bone samples. <i>Journal of Microscopy</i> , 2016, 264, 268-281.	0.8	26
63	Binary tomography reconstruction from few projections with Total Variation regularization for bone microstructure studies. <i>Journal of X-Ray Science and Technology</i> , 2016, 24, 177-189.	0.7	1
64	3D X-ray ultra-microscopy of bone tissue. <i>Osteoporosis International</i> , 2016, 27, 441-455.	1.3	29
65	Stochastic multiscale modelling of cortical bone elasticity based on high-resolution imaging. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 111-131.	1.4	7
66	Filtered stochastic optimization for binary tomography. , 2015, , .		1
67	Fast virtual histology using X-ray in-line phase tomography: application to the 3D anatomy of maize developing seeds. <i>Plant Methods</i> , 2015, 11, 55.	1.9	49
68	Dose fractionation in synchrotron radiation x-ray phase micro-tomography. <i>Physics in Medicine and Biology</i> , 2015, 60, 7543-7566.	1.6	4
69	Quantification of nonlinear elasticity for the evaluation of submillimeter crack length in cortical bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 48, 210-219.	1.5	8
70	Binary Tomography Reconstructions With Stochastic Level-Set Methods. <i>IEEE Signal Processing Letters</i> , 2015, 22, 920-924.	2.1	9
71	Distribution of mesoscale elastic properties and mass density in the human femoral shaft. <i>Connective Tissue Research</i> , 2015, 56, 120-132.	1.1	11
72	Single pixel camera: An acquisition strategy based on the non-linear wavelet approximation. , 2015, 6240-3.		3

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73	Semi-blind joint super-resolution/segmentation of 3D trabecular bone images by a TV box approach. , 2015, , .		0
74	Voronoi-based analysis of bone cell network from synchrotron radiation micro-CT images. , 2015, , .		0
75	Cortical Bone Mineralization in the Human Femoral Neck in Cases and Controls from Synchrotron Radiation Study. Cell Biochemistry and Biophysics, 2015, 73, 51-57.	0.9	1
76	Canalicular Network Morphology Is the Major Determinant of the Spatial Distribution of Mass Density in Human Bone Tissue: Evidence by Means of Synchrotron Radiation Phase-Contrast nano-CT. Journal of Bone and Mineral Research, 2015, 30, 346-356.	3.1	108
77	Synchrotron X-ray phase nano-tomography-based analysis of the lacunar“canalicular network morphology and its relation to the strains experienced by osteocytes in situ as predicted by case-specific finite element analysis. Biomechanics and Modeling in Mechanobiology, 2015, 14, 267-282.	1.4	83
78	A hyperspectral time resolved DOT system to monitor physiological changes of the human brain activity. , 2015, , .		1
79	To what extent can cortical bone millimeter-scale elasticity be predicted by a two-phase composite model with variable porosity?. Acta Biomaterialia, 2015, 12, 207-215.	4.1	20
80	Iterative choice of the optimal regularization parameter in TV image restoration. Inverse Problems and Imaging, 2015, 9, 1171-1191.	0.6	15
81	Non Destructive Characterization of Cortical Bone Micro-Damage by Nonlinear Resonant Ultrasound Spectroscopy. PLoS ONE, 2014, 9, e83599.	1.1	31
82	Computer vision tools to optimize reconstruction parameters in x-ray in-line phase tomography. Physics in Medicine and Biology, 2014, 59, 7767-7775.	1.6	10
83	Binary tomography reconstructions of bone microstructure from few projections with stochastic level-set methods. , 2014, , .		1
84	Investigation of the polynomial approach for material decomposition in spectral X-ray tomography using an energy-resolved detector. , 2014, , .		2
85	Micro- and Nano-CT for the Study of Bone Ultrastructure. Current Osteoporosis Reports, 2014, 12, 465-474.	1.5	87
86	Cardiac Câ€arm computed tomography using a 3D + time ROI reconstruction method with spatial and temporal regularization. Medical Physics, 2014, 41, 021903.	1.6	32
87	Removing streak artifacts from ECG-gated reconstructions using deconvolution. Journal of X-Ray Science and Technology, 2014, 22, 253-270.	0.7	3
88	QUANTIFICATION OF THE 3D MORPHOLOGY OF THE BONE CELL NETWORK FROM SYNCHROTRON MICRO-CT IMAGES. Image Analysis and Stereology, 2014, 33, 157.	0.4	15
89	3D osteocyte lacunar morphometric properties and distributions in human femoral cortical bone using synchrotron radiation micro-CT images. Bone, 2014, 60, 172-185.	1.4	105
90	On the elastic properties of mineralized turkey leg tendon tissue: multiscale model and experiment. Biomechanics and Modeling in Mechanobiology, 2014, 13, 1003-1023.	1.4	27

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91	Bone canalicular network segmentation in 3D nano-CT images through geodesic voting and image tessellation. <i>Physics in Medicine and Biology</i> , 2014, 59, 2155-2171.	1.6	15
92	Assessing osteocyte lacunar geometrical properties in human jaw bone on the submicron length scale using synchrotron radiation $\mu$ CT. <i>Journal of Microscopy</i> , 2014, 255, 158-168.	0.8	22
93	Higher order total variation super-resolution from a single trabecular bone image. , 2014, , .		4
94	Cortical measurements of the tibia from high resolution peripheral quantitative computed tomography images: A comparison with synchrotron radiation micro-computed tomography. <i>Bone</i> , 2014, 63, 7-14.	1.4	33
95	Priors for X-ray in-line phase tomography of heterogeneous objects. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130129.	1.6	22
96	Stochastic diffusion equation with singular diffusivity and gradient-dependent noise in binary tomography. <i>Journal of Physics: Conference Series</i> , 2014, 542, 012001.	0.3	3
97	Alterations of Mass Density and 3D Osteocyte Lacunar Properties in Bisphosphonate-Related Osteonecrotic Human Jaw Bone, a Synchrotron $\mu$ CT Study. <i>PLoS ONE</i> , 2014, 9, e88481.	1.1	47
98	3D characterization of pores in the cortical bone of human femur in the elderly at different locations as determined by synchrotron micro-computed tomography images. <i>Osteoporosis International</i> , 2013, 24, 1023-1033.	1.3	53
99	Investigation of the three-dimensional orientation of mineralized collagen fibrils in human lamellar bone using synchrotron X-ray phase nano-tomography. <i>Acta Biomaterialia</i> , 2013, 9, 8118-8127.	4.1	95
100	How minute sooglossid frogs hear without a middle ear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15360-15364.	3.3	26
101	Region Growing: When Simplicity Meets Theory – Region Growing Revisited in Feature Space and Variational Framework. <i>Communications in Computer and Information Science</i> , 2013, , 426-444.	0.4	4
102	Adaptive filtering for enhancement of the osteocyte cell network in 3D microtomography images. <i>Irbbm</i> , 2013, 34, 48-52.	3.7	11
103	3D Microstructural Architecture of Muscle Attachments in Extant and Fossil Vertebrates Revealed by Synchrotron Microtomography. <i>PLoS ONE</i> , 2013, 8, e56992.	1.1	61
104	Synchrotron Radiation X-Ray Phase Micro-computed Tomography as a New Method to Detect Iron Oxide Nanoparticles in the Brain. <i>Molecular Imaging and Biology</i> , 2013, 15, 552-559.	1.3	39
105	A new quantitative approach for estimating bone cell connections from nano-CT images. , 2013, 2013, 3694-7.		5
106	Numerical assessment of the effects of the axial variations of porosity and mineralisation on the elastic properties in the human femoral neck. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 308-309.	0.9	2
107	Iterative choice of the optimal regularization parameter in TV image deconvolution. <i>Journal of Physics: Conference Series</i> , 2013, 464, 012005.	0.3	1
108	Information-based analysis of X-ray in-line phase tomography with application to the detection of iron oxide nanoparticles in the brain. <i>Optics Express</i> , 2013, 21, 27185.	1.7	8

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109	Nonlinear approaches for the single-distance phase retrieval problem involving regularizations with sparsity constraints. <i>Applied Optics</i> , 2013, 52, 3977.	0.9	12
110	Level set regularization for nonlinear absorption and phase retrieval in X-ray phase contrast tomography. , 2013, , .		1
111	Efficient extraction of 3D bone cells descriptors from micro-CT images. , 2013, , .		2
112	Bone microstructure reconstructions from few projections with level-set regularization. , 2013, , .		1
113	In Vitro Colonization of the Muscle Extracellular Matrix Components by <i>Escherichia coli</i> O157:H7: The Influence of Growth Medium, Temperature and pH on Initial Adhesion and Induction of Biofilm Formation by Collagens I and III. <i>PLoS ONE</i> , 2013, 8, e59386.	1.1	26
114	Microfibril Orientation Dominates the Microelastic Properties of Human Bone Tissue at the Lamellar Length Scale. <i>PLoS ONE</i> , 2013, 8, e58043.	1.1	56
115	Absorption and phase retrieval with Tikhonov and joint sparsity regularizations. <i>Inverse Problems and Imaging</i> , 2013, 7, 267-282.	0.6	14
116	X-ray in-line phase tomography of multimaterial objects. <i>Optics Letters</i> , 2012, 37, 2151.	1.7	38
117	3D X-ray CT imaging of the bone Lacuno-Canalicular Network. , 2012, , .		2
118	Deconvolution for limited-view streak artifacts removal: improvements upon an existing approach. , 2012, , .		0
119	Reconstruction of bone microstructure from few projections with convex-concave and non local regularization. , 2012, , .		2
120	Histogram Feature-Based Classification Improves Differentiability of Early Bone Healing Stages From Micro-Computed Tomographic Data. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 469-476.	0.5	3
121	Absorption and phase retrieval in phase contrast imaging with non linear Tikhonov regularization. <i>Journal of Physics: Conference Series</i> , 2012, 386, 012012.	0.3	0
122	Shape prior in Variational Region Growing. , 2012, , .		1
123	Non-linear iterative phase retrieval based on Frechet derivative and projection operators. , 2012, , .		2
124	Mineral heterogeneity has a minor influence on the apparent elastic properties of human cancellous bone: a SR $\mu$ CT-based finite element study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 1137-1144.	0.9	50
125	Propagation based X-ray phase microtomography of multi-material objects for simultaneous bone and soft tissue visualisation. , 2012, , .		0
126	Spatial distribution of tissue level properties in a human femoral cortical bone. <i>Journal of Biomechanics</i> , 2012, 45, 2264-2270.	0.9	42



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127	Structure and quantification of microvascularisation within mouse long bones: What and how should we measure?. Bone, 2012, 50, 390-399.	1.4	70
128	Anatomical distribution of the degree of mineralization of bone tissue in human femoral neck: Impact on biomechanical properties. Bone, 2012, 50, 876-884.	1.4	39
129	Local topological analysis at the distal radius by HR-pQCT: Application to in vivo bone microarchitecture and fracture assessment in the OFELY study. Bone, 2012, 51, 362-368.	1.4	21
130	Synchrotron radiation CT from the micro to nanoscale for the investigation of bone tissue. Proceedings of SPIE, 2012, , .	0.8	4
131	Nanoscale imaging of the bone cell network with synchrotron X-ray tomography: optimization of acquisition setup. Medical Physics, 2012, 39, 2229-2238.	1.6	84
132	X-Ray Phase Nanotomography Resolves the 3D Human Bone Ultrastructure. PLoS ONE, 2012, 7, e35691.	1.1	140
133	Extracellular matrix deposition and scaffold biodegradation in an in vitro three-dimensional model of bone by X-ray computed microtomography. Journal of Tissue Engineering and Regenerative Medicine, 2012, 8, n/a-n/a.	1.3	11
134	Nonlinear Phase Retrieval Using Projection Operator and Iterative Wavelet Thresholding. IEEE Signal Processing Letters, 2012, 19, 579-582.	2.1	7
135	Relationship between histochemical, structural characteristics and oxidative stability of rhea limb muscles. Food Chemistry, 2012, 132, 1387-1394.	4.2	3
136	CT Imaging: Basics and New Trends. , 2012, , 883-915.		3
137	Simultaneous 3D Imaging of Bone and Vessel Microstructure in a Rat Model. IEEE Transactions on Nuclear Science, 2011, 58, 139-145.	1.2	17
138	Fluorescence diffuse optical tomography: Time-resolved versus continuous-wave in the reflectance configuration. Irbm, 2011, 32, 243-250.	3.7	10
139	Change in porosity is the major determinant of the variation of cortical bone elasticity at the millimeter scale in aged women. Bone, 2011, 49, 1020-1026.	1.4	116
140	Non-linear iterative phase retrieval based on Frechet derivative. Optics Express, 2011, 19, 22809.	1.7	27
141	Non linear phase retrieval from fresnel diffraction patterns using the frechet derivative. , 2011, , .		1
142	Synchrotron Radiation Micro-CT at the Micrometer Scale for the Analysis of the Three-Dimensional Morphology of Microcracks in Human Trabecular Bone. PLoS ONE, 2011, 6, e21297.	1.1	65
143	Evaluation of bone scaffolds by micro-CT. Osteoporosis International, 2011, 22, 2043-2048.	1.3	39
144	Intermittent PTH(1-84) is osteoanabolic but not osteoangiogenic and relocates bone marrow blood vessels closer to bone-forming sites. Journal of Bone and Mineral Research, 2011, 26, 2583-2596.	3.1	96

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145	3D microscopic imaging by synchrotron radiation micro/nano-CT. , 2011, , .		2
146	Segmentation of 3D cellular networks from SR-micro-CT images. , 2011, , .		4
147	Nonlinear ultrasound monitoring of fatigue microdamage accumulation in cortical bone. , 2011, , .		1
148	Acquisition of Synchrotron Radiation micro-CT images for the investigation of bone micro-cracks. , 2011, , .		0
149	Large Image Streaming using ITKv4. The Insight Journal, 2011, , .	0.2	1
150	A time-domain wavelet-based approach for fluorescence diffuse optical tomography. Medical Physics, 2010, 37, 2890-2900.	1.6	7
151	Local plate/rod descriptors of 3D trabecular bone micro-CT images from medial axis topologic analysis. Medical Physics, 2010, 37, 4364-4376.	1.6	16
152	Parallel-beam imaging at the ESRF beamline ID19: current status and plans for the future. AIP Conference Proceedings, 2010, , .	0.3	25
153	Imaging and Quantitative Assessment of Long Bone Vascularization in the Adult Rat Using Microcomputed Tomography. Anatomical Record, 2010, 293, 215-224.	0.8	40
154	Determination of the heterogeneous anisotropic elastic properties of human femoral bone: From nanoscopic to organ scale. Journal of Biomechanics, 2010, 43, 1857-1863.	0.9	91
155	Regularized phase tomography enables study of mineralized and unmineralized tissue in porous bone scaffold. Journal of Microscopy, 2010, 238, 230-239.	0.8	22
156	Adaptive Remodeling of Trabecular Bone Core Cultured in 3-D Bioreactor Providing Cyclic Loading: An Acoustic Microscopy Study. Ultrasound in Medicine and Biology, 2010, 36, 999-1007.	0.7	10
157	A Finite Volume Method for Fluorescence Diffuse Optical Tomography: Influence on Forward Model and Reconstruction. , 2010, , .		0
158	A wavelet algorithm for zoom-in tomography. , 2010, , .		2
159	Regularization of Phase Retrieval With Phase-Attenuation Duality Prior for 3-D Holotomography. IEEE Transactions on Image Processing, 2010, 19, 2428-2436.	6.0	71
160	Vesselness-guided variational segmentation of cellular networks from 3D micro-CT. , 2010, , .		11
161	Graph-based multi-scale analysis of plates and rods in human trabecular bone. , 2010, , .		0
162	Status and evolution of the ESRF beamline ID19. AIP Conference Proceedings, 2010, , .	0.3	94

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163	Biodegradation of porous calcium phosphate scaffolds in an ectopic bone formation model studied by X-ray computed microtomograph. , 2010, 19, 136-146.		55
164	Cortical Bone Microelasticity Assessed with Scanning Acoustic Microscopy: Relationship to Nanostructural Characteristics across a Human Osteon. IFMBE Proceedings, 2010, , 190-192.	0.2	0
165	Regularization in fluorescence diffuse optical tomography using prior information on the medium optical properties. Proceedings of SPIE, 2010, , .	0.8	0
166	3D non-linear enhancement of tubular microscopic bone porosities. , 2009, , .		3
167	Simultaneous 3D imaging of bone and vessel microstructure in a rat model: Measurement of vascular-trabecular interdistance. , 2009, , .		0
168	X-Ray Synchrotron Radiation Pseudo-Holotomography as a New Imaging Technique to Investigate Anglo- and Microvasculogenesis with No Usage of Contrast Agents. Tissue Engineering - Part C: Methods, 2009, 15, 425-430.	1.1	31
169	A comprehensive study of the use of temporal moments in time-resolved diffuse optical tomography: part I. Theoretical material. Physics in Medicine and Biology, 2009, 54, 7089-7105.	1.6	19
170	A comprehensive study of the use of temporal moments in time-resolved diffuse optical tomography: part II. Three-dimensional reconstructions. Physics in Medicine and Biology, 2009, 54, 7107-7119.	1.6	12
171	Assessment of Microelastic Properties of Bone Using Scanning Acoustic Microscopy: A Face-to-Face Comparison with Nanoindentation. Japanese Journal of Applied Physics, 2009, 48, 07GK01.	0.8	36
172	Investigation of bone with synchrotron radiation imaging: from micro to nano. Osteoporosis International, 2009, 20, 1057-1063.	1.3	40
173	Relationship between ultrasonic parameters and apparent trabecular bone elastic modulus: A numerical approach. Journal of Biomechanics, 2009, 42, 2033-2039.	0.9	44
174	Fourier-wavelet regularization of phase retrieval in x-ray in-line phase tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1876.	0.8	17
175	Quantitative investigation of bone microvascularization from 3D synchrotron micro-computed tomography in a rat model. , 2009, 2009, 1004-7.		9
176	Time resolved fluorescence diffuse optical tomography using multi-resolution exponential B-splines. , 2009, , .		1
177	A constrained region growing approach based on watershed for the segmentation of low contrast structures in bone micro-CT images. Pattern Recognition, 2008, 41, 2358-2368.	5.1	39
178	Fast wave ultrasonic propagation in trabecular bone: Numerical study of the influence of porosity and structural anisotropy. Journal of the Acoustical Society of America, 2008, 123, 1694-1705.	0.5	88
179	Quantitative comparison of direct phase retrieval algorithms in in-line phase tomography. Medical Physics, 2008, 35, 4556-4566.	1.6	143
180	Approximations of the measurable quantity in diffuse optical problems: theoretical analysis of model deviations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1174.	0.8	8

#	ARTICLE	IF	CITATIONS
181	Relationships of trabecular bone structure with quantitative ultrasound parameters: In vitro study on human proximal femur using transmission and backscatter measurements. <i>Bone</i> , 2008, 42, 1193-1202.	1.4	84
182	State of the Art and Perspectives of Biomedical Imaging at the ESRF. <i>Synchrotron Radiation News</i> , 2008, 21, 30-41.	0.2	7
183	Hessian based orientation analysis of the canal network in cortical bone micro-CT images. , 2008, , .		0
184	Fluorescence diffuse optical tomography: A simulation-based study comparing time-resolved and continuous wave reconstructions performances. , 2008, , .		4
185	A simulation-based study of reconstruction in Time-resolved Fluorescence Diffuse Optical Tomography in Cylindrical geometry. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2639-42.	0.5	0
186	An Automatic Calibration Approach For Left Ventricular Volume Assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4460-3.	0.5	0
187	Feasibility of Micro-Crack Detection in Human Trabecular Bone Images from 3D Synchrotron Microtomography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 3918-21.	0.5	9
188	Comparison of analytical and algebraic 2D tomographic reconstruction approaches for irregularly sampled microCT data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2916-9.	0.5	1
189	3D Motion Compensated Tomographic Reconstruction of Coronary Stents from X-ray Rotational Sequence : An Experimental Study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 735-8.	0.5	1
190	12C-1 High Resolution Acoustic Microscopy: A New Method to Investigate Remodeling Process of Trabecular Bone. <i>Proceedings IEEE Ultrasonics Symposium</i> , 2007, , .	0.0	1
191	SEGMENTATION OF LOW CONTRAST FEATURES IN BONE MICRO-CT IMAGES BY A CONSTRAINED REGION GROWING APPROACH BASED ON WATERSHED. , 2007, , .		1
192	Quantitative analysis of 3D stent reconstruction from a limited number of views in cardiac rotational angiography. , 2007, , .		1
193	Evaluation of fetal bone structure and mineralization in IGF-I deficient mice using synchrotron radiation microtomography and Fourier transform infrared spectroscopy. <i>Bone</i> , 2007, 40, 160-168.	1.4	28
194	Variations of microstructure, mineral density and tissue elasticity in B6/C3H mice. <i>Bone</i> , 2007, 41, 1017-1024.	1.4	36
195	QUANTITATIVE EVALUATION OF PHASE RETRIEVAL ALGORITHMS IN PROPAGATION BASED PHASE TOMOGRAPHY. , 2007, , .		1
196	Connectivity Analysis in Very Large 3D Microtomographic Images. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 167-172.	1.2	6
197	Motion Correction for Coronary Stent Reconstruction From Rotational X-ray Projection Sequences. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1412-1423.	5.4	22
198	Attenuation in trabecular bone: A comparison between numerical simulation and experimental results in human femur. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 2469-2475.	0.5	59

#	ARTICLE	IF	CITATIONS
199	SEM and 3D synchrotron radiation micro-tomography in the study of bioceramic scaffolds for tissue-engineering applications. <i>Biotechnology and Bioengineering</i> , 2007, 97, 638-648.	1.7	32
200	Kinetics of in vivo bone deposition by bone marrow stromal cells within a resorbable porous calcium phosphate scaffold: An X-ray computed microtomography study. <i>Biotechnology and Bioengineering</i> , 2007, 98, 271-281.	1.7	65
201	Evaluation of tomographic reconstruction methods for small animal microCT and microPET/CT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 278-281.	0.7	1
202	Intrinsic mechanical properties of trabecular calcaneus determined by finite-element models using 3D synchrotron microtomography. <i>Journal of Biomechanics</i> , 2007, 40, 2174-2183.	0.9	20
203	Variation of Ultrasonic Parameters With Microstructure and Material Properties of Trabecular Bone: A 3D Model Simulation. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 665-674.	3.1	112
204	Engineering of bone using bone marrow stromal cells and a silicon-stabilized tricalcium phosphate bioceramic: Evidence for a coupling between bone formation and scaffold resorption. <i>Biomaterials</i> , 2007, 28, 1376-1384.	5.7	126
205	Bulk and interface investigations of scaffolds and tissue-engineered bones by X-ray microtomography and X-ray microdiffraction. <i>Biomaterials</i> , 2007, 28, 2505-2524.	5.7	110
206	PIXSCAN: Pixel detector CT-scanner for small animal imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 425-428.	0.7	10
207	Relevance of 2D radiographic texture analysis for the assessment of 3D bone micro-architecture. <i>Medical Physics</i> , 2006, 33, 3546-3556.	1.6	52
208	Comparison of synchrotron radiation and conventional x-ray microcomputed tomography for assessing trabecular bone microarchitecture of human femoral heads. <i>Medical Physics</i> , 2006, 33, 3568-3577.	1.6	65
209	A FDK-Based Reconstruction Method for Off-Centered Circular Trajectory Cone Beam Tomography. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 2736-2745.	1.2	6
210	Kinetics of In Vivo Bone Deposition by Bone Marrow Stromal Cells into Porous Calcium Phosphate Scaffolds: An X-Ray Computed Microtomography Study. <i>Tissue Engineering</i> , 2006, 12, 3449-3458.	4.9	63
211	Analysis of Cone-Beam Artifacts in off-Centered Circular CT for Four Reconstruction Methods. <i>International Journal of Biomedical Imaging</i> , 2006, 2006, 1-8.	3.0	12
212	Assessment of bone structure and acoustic impedance in C3H and BL6 mice using high resolution scanning acoustic microscopy. <i>Ultrasonics</i> , 2006, 44, e1307-e1311.	2.1	12
213	Subchondral bone micro-architectural alterations in osteoarthritis: a synchrotron micro-computed tomography study. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 215-223.	0.6	141
214	Site-matched assessment of structural and tissue properties of cortical bone using scanning acoustic microscopy and synchrotron radiation $\mu$ CT. <i>Physics in Medicine and Biology</i> , 2006, 51, 733-746.	1.6	75
215	Derivation of elastic stiffness from site-matched mineral density and acoustic impedance maps. <i>Physics in Medicine and Biology</i> , 2006, 51, 747-758.	1.6	95
216	Modelization of three-dimensional bone micro-architecture using Markov random fields with a multi-level clique system. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
217	In vivo imaging of bone micro-architecture in mice with 3D synchrotron radiation micro-tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 247-252.	0.7	32
218	Bone microstructure and elastic tissue properties are reflected in QUS axial transmission measurements. Ultrasound in Medicine and Biology, 2005, 31, 1225-1235.	0.7	121
219	Tissue engineering of bone: search for a better scaffold. Orthodontics and Craniofacial Research, 2005, 8, 277-284.	1.2	215
220	Accuracy of 3D MR microscopy for trabecular bone assessment: a comparative study on calcaneus samples using 3D synchrotron radiation microtomography. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2005, 18, 26-34.	1.1	8
221	Generalization of FDK 3D tomographic reconstruction algorithm for an off-centered cone beam geometry. , 2005, , .		0
222	Three-dimensional simulation of ultrasound propagation through trabecular bone structures measured by synchrotron microtomography. Physics in Medicine and Biology, 2005, 50, 5545-5556.	1.6	153
223	Relationship between compressive properties of human os calcis cancellous bone and microarchitecture assessed from 2D and 3D synchrotron microtomography. Bone, 2005, 36, 340-351.	1.4	35
224	Cortical Bone in the Human Femoral Neck: Three-Dimensional Appearance and Porosity Using Synchrotron Radiation. Journal of Bone and Mineral Research, 2004, 19, 794-801.	3.1	147
225	An In Vitro Study of the Ultrasonic Axial Transmission Technique at the Radius: 1-MHz Velocity Measurements Are Sensitive to Both Mineralization and Intracortical Porosity. Journal of Bone and Mineral Research, 2004, 19, 1548-1556.	3.1	109
226	Synchrotron Radiation Microtomography of Bone Engineered from Bone Marrow Stromal Cells. Tissue Engineering, 2004, 10, 1767-1774.	4.9	36
227	A procedure for the evaluation of 2D radiographic texture analysis to assess 3D bone micro-architecture. , 2004, , .		0
228	Microarchitectural and Physical Changes During Fetal Growth in Human Vertebral Bone. Journal of Bone and Mineral Research, 2003, 18, 760-768.	3.1	60
229	A method for the automatic characterization of bone architecture in 3D mice microtomographic images. Computerized Medical Imaging and Graphics, 2003, 27, 447-458.	3.5	56
230	How is the indentation modulus of bone tissue related to its macroscopic elastic response? A validation study. Journal of Biomechanics, 2003, 36, 1503-1509.	0.9	79
231	A new method for analyzing local shape in three-dimensional images based on medial axis transformation. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 700-705.	5.5	36
232	Prediction of backscatter coefficient in trabecular bones using a numerical model of three-dimensional microstructure. Journal of the Acoustical Society of America, 2003, 113, 1122-1129.	0.5	59
233	Nonseparable wavelet-based cone-beam reconstruction in 3-d rotational angiography. IEEE Transactions on Medical Imaging, 2003, 22, 360-367.	5.4	16
234	Excised Bone Structures in Mice: Imaging at Three-dimensional Synchrotron Radiation Micro CT. Radiology, 2003, 229, 921-928.	3.6	86

#	ARTICLE	IF	CITATIONS
235	Three-dimensional quantitative analysis of polymer foams from synchrotron radiation x-ray microtomography. Journal Physics D: Applied Physics, 2003, 36, A37-A43.	1.3	57
236	Simulation of trabecular bone sample x-ray microradiography. , 2003, 5030, 309.		2
237	Quantification of the degree of mineralization of bone in three dimensions using synchrotron radiation microtomography. Medical Physics, 2002, 29, 2672-2681.	1.6	211
238	Segmentation of cancellous bone from high-resolution computed tomography images: influence on trabecular bone measurements. IEEE Transactions on Medical Imaging, 2002, 21, 354-362.	5.4	29
239	Multiresolution reconstruction in fan-beam tomography. IEEE Transactions on Image Processing, 2002, 11, 169-176.	6.0	35
240	Bone MRI segmentation assessment based on synchrotron radiation computed microtomography. IEEE Transactions on Nuclear Science, 2002, 49, 220-224.	1.2	2
241	Ultrasonic characterization of human cancellous bone using transmission and backscatter measurements: relationships to density and microstructure. Bone, 2002, 30, 229-237.	1.4	179
242	Effect of turbulent integral length scale on heat transfer around a circular cylinder placed cross to an air flow. Experimental Thermal and Fluid Science, 2002, 26, 455-460.	1.5	12
243	Automated 3D region growing algorithm based on an assessment function. Pattern Recognition Letters, 2002, 23, 137-150.	2.6	65
244	Synchrotron Radiation Microtomography Allows the Analysis of Three-Dimensional Microarchitecture and Degree of Mineralization of Human Iliac Crest Biopsy Specimens: Effects of Etidronate Treatment. Journal of Bone and Mineral Research, 2002, 17, 1372-1382.	3.1	154
245	Phase-contrast microtomography using coherent synchrotron radiation. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c51-c51.	0.3	0
246	Assessment of bone mineral content from 3-D synchrotron radiation microtomography images. IEEE Transactions on Nuclear Science, 2001, 48, 859-863.	1.2	18
247	Microstructure and transport properties of porous building materials. II: Three-dimensional X-ray tomographic studies. Materials and Structures/Materiaux Et Constructions, 2000, 33, 147-153.	1.3	107
248	Frequency dependence of ultrasonic backscattering in cancellous bone: Autocorrelation model and experimental results. Journal of the Acoustical Society of America, 2000, 108, 2403-2411.	0.5	121
249	Tomographic reconstruction using nonseparable wavelets. IEEE Transactions on Image Processing, 2000, 9, 1445-1450.	6.0	23
250	<title>X-ray camera for computed microtomography of biological samples with micrometer resolution using Lu<math>\langle inf \rangle 3</math></math></math>Al<math>\langle inf \rangle 5</math></math>O<math>\langle inf \rangle \langle roman \rangle 58</math> </math>and Y<math>\langle inf \rangle 3</math></math></math>Al<math>\langle inf \rangle 5</math></math>O<math>\langle inf \rangle \langle roman \rangle 58</math> </math>scintillators</title>. , 1999, 3659, 170.		58
251	A synchrotron radiation microtomography system for the analysis of trabecular bone samples. Medical Physics, 1999, 26, 2194-2204.	1.6	242
252	<title>Local reconstruction in 3D synchrotron radiation microtomography</title>. , 1999, , .		0

#	ARTICLE	IF	CITATIONS
253	Parallel image reconstruction on MIMD computers for three-dimensional cone-beam tomography. <i>Parallel Computing</i> , 1998, 24, 1461-1479.	1.3	18
254	Quantitative X-Ray Inspection. , 1998, , 363-370.		3
255	Micro-CT examinations of trabecular bone samples at different resolutions: 14, 7 and 2 micron level. <i>Technology and Health Care</i> , 1998, 6, 391-401.	0.5	34
256	<title>3D imaging of fetus vertebra by synchrotron radiation microtomography</title>. , 1997, , .		1
257	<title>Continuous wavelet transform for oriented texture analysis</title>. , 1997, , .		0
258	<title>X-ray optics and imaging with hard coherent synchrotron radiation</title>. , 1997, , .		27
259	<title>Hard x-ray phase tomographic investigation of materials using Fresnel diffraction of synchrotron radiation</title>. , 1997, 3149, 149.		0
260	Observation of microstructure and damage in materials by phase sensitive radiography and tomography. <i>Journal of Applied Physics</i> , 1997, 81, 5878-5886.	1.1	479
261	High-Resolution X-Ray Computed Tomography Using a Solid-State Linear Detector. <i>Journal of X-Ray Science and Technology</i> , 1996, 6, 94-106.	0.7	2
262	<title>3D microtomography of cancellous bone samples using synchrotron radiation</title>. , 1996, , .		6
263	<title>Blood vessel reconstruction from a limited number of cone-beam projections: application to cerebral blood vessel projections and to an excised animal heart</title>. , 1995, 2432, 298.		1
264	Binary vascular reconstruction from a limited number of cone beam projections. <i>Medical Physics</i> , 1994, 21, 1839-1851.	1.6	24
265	<title>Development and evaluation of a clinical workstation for pulmonary disease diagnostic</title>. , 1994, 2164, 460.		0
266	3D display of high resolution vertebral structure images. <i>Computerized Medical Imaging and Graphics</i> , 1993, 17, 251-256.	3.5	12
267	Wavelet analysis of high-resolution signal-averaged ECGs in postinfarction patients. <i>Journal of Electrocardiology</i> , 1993, 26, 311-320.	0.4	79
268	Coding of 3D medical images using 3D wavelet decompositions. , 1993, , .		6
269	Application of the Wigner distribution to the detection of late potentials in ECG. , 1992, , .		3
270	Analysis of a cone beam x-ray tomographic system for different scanning modes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1992, 9, 1554.	0.8	5



#	ARTICLE	IF	CITATIONS
271	A triangulation algorithm from arbitrary shaped multiple planar contours. ACM Transactions on Graphics, 1991, 10, 182-199.	4.9	169
272	<title>Three-dimensional reconstruction from cone beam projection by a block iterative technique</title>. , 1991, 1443, 268.		0
273	<title>Local spectrum analysis of medical images</title>. , 1991, , .		0
274	<title>Improved resolution of medical 3-D x-ray computed-tomographic images</title>. , 1990, , .		0
275	The use of a two-dimensional Hilbert transform for Wigner analysis of 2-dimensional real signals. Signal Processing, 1990, 19, 205-220.	2.1	33
276	MESURE DE VITESSE PAR DOPPLER ULTRASONORE : COMPARAISON DE DIFFÉRENTES TECHNIQUES D'ANALYSE TEMPS-FRÉQUENCE. Journal De Physique Colloque, 1990, 51, C2-663-C2-666.	0.2	0
277	Equivalence between two-dimensional analytic and real signal Wigner distributions. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 1631-1634.	2.0	19
278	A unified definition for the discrete-time, discrete-frequency, and discrete-time/Frequency Wigner distributions. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 858-867.	2.0	82
279	Reconstruction of object by iterative coded-source image deconvolution. Signal Processing, 1985, 8, 153-162.	2.1	2
280	The Generalized Back Projection Theorem for Cone Beam Reconstruction. IEEE Transactions on Nuclear Science, 1985, 32, 1512-1519.	1.2	36
281	A note on the use of analytic signal in the pseudo Wigner distribution. , 0, , .		1
282	On the use of 2D analytic signals for Wigner analysis of 2D real signals. , 0, , .		6
283	Time-scale analysis of high-resolution signal-averaged surface ECG using wavelet transformation. , 0, , .		24
284	Time-frequency analysis applied to sandy bottom echoes. , 0, , .		2
285	A high resolution CT device for imaging 3D bone trabeculae. , 0, , .		0
286	Unsupervised multiresolution texture segmentation using wavelet decomposition. , 0, , .		4
287	Parallel performances of three 3D reconstruction methods on MIMD computers: Feldkamp, Block ART and SIRT algorithms. , 0, , .		1
288	Variation of human cancellous bone ultrasonic properties with density and micro-structure. , 0, , .		4

#	ARTICLE	IF	CITATIONS
289	Automated 3D region growing algorithm governed by an evaluation function. , 0, , .		8
290	Quantitative ultrasound for bone status assessment. , 0, , .		6
291	Numerical investigation of the frequency dependence of ultrasonic backscatter in trabecular bone. , 0, , .		1
292	Shape description of three-dimensional images based on medial axis. , 0, , .		6
293	Binary objects tomographic reconstruction from few noisy X-ray radiographs using a region based curve evolution method. , 0, , .		0
294	Micro-imaging of small animals and biological specimens. , 0, , .		0
295	3D tomographic reconstruction of binary images from cone beam projections: a fast level set approach. , 0, , .		4
296	Impact of material and structural bone properties on 1-MHz velocity measurements in human forearms. , 0, , .		0
297	Connectivity analysis in very large 3D microtomographic images. , 0, , .		0
298	Characterization of human femoral trabecular bone in vitro using transmission and backscatter ultrasound measurements. , 0, , .		0
299	Motion Compensation for 3D Tomographic Reconstruction of Stent in X-Ray Cardiac Rotational Angiography. , 0, , .		3
300	A Comparative Study of Three Tomographic Reconstruction Methods in Cone Beam Off-Centered Circular Geometry. , 0, , .		0