

Sven Prevrhal

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,472
citations

516215

16
h-index

610482

24
g-index

26
all docs

26
docs citations

26
times ranked

1864
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the mechanical interface stability of curved high aspect ratio x-ray gratings made by deep x-ray lithography. Journal of Micro-nanopatterning, Materials, and Metrology, 2022, 21, .	0.4	4
2	Towards clinical grating-interferometry mammography. European Radiology, 2020, 30, 1419-1425.	2.3	43
3	Improving ^{CCTA}-based lesions' hemodynamic significance assessment by accounting for partial volume modeling in automatic coronary lumen segmentation. Medical Physics, 2017, 44, 1040-1049.	1.6	20
4	Time-of-flight PET image reconstruction using origin ensembles. Physics in Medicine and Biology, 2015, 60, 1919-1944.	1.6	10
5	Learning Patient-Specific Lumped Models for Interactive Coronary Blood Flow Simulations. Lecture Notes in Computer Science, 2015, , 433-441.	1.0	12
6	Fat-Constrained ¹⁸F-FDG PET Reconstruction in Hybrid PET/MR Imaging. Journal of Nuclear Medicine, 2014, 55, 1643-1649.	2.8	2
7	The effect of metal artefact reduction on CT-based attenuation correction for PET imaging in the vicinity of metallic hip implants: a phantom study. Annals of Nuclear Medicine, 2014, 28, 540-550.	1.2	9
8	CT Angiographic Measurement of Vascular Blood Flow Velocity by Using Projection Data. Radiology, 2011, 261, 923-929.	3.6	19
9	Teriparatide vertebral fracture risk reduction determined by quantitative and qualitative radiographic assessment. Current Medical Research and Opinion, 2009, 25, 921-928.	0.9	50
10	Dual-Energy and Low-kVp CT in the Abdomen. American Journal of Roentgenology, 2009, 193, 47-54.	1.0	212
11	Computer-Assisted Technique to Delineate Osteolytic Lesions Around the Femoral Component in Total Hip Arthroplasty. Journal of Arthroplasty, 2008, 23, 833-838.	1.5	1
12	Macro- and Microimaging of Bone Architecture. , 2008, , 1905-1942.		3
13	Comparison of DXA Hip Structural Analysis with Volumetric QCT. Journal of Clinical Densitometry, 2008, 11, 232-236.	0.5	37
14	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
15	Renal Cyst Pseudoenhancement at Multidetector CT: What Are the Effects of Number of Detectors and Peak Tube Voltage?. Radiology, 2008, 248, 910-916.	3.6	65
16	Computed Tomographic Metal Artifact Reduction for the Detection and Quantitation of Small Features Near Large Metallic Implants. Journal of Computer Assisted Tomography, 2008, 32, 621-629.	0.5	49
17	Qualitative and Quantitative Assessment of Bone Fragility and Fracture Healing Using Conventional Radiography and Advanced Imaging Technologies-Focus on Wrist Fracture. Journal of Orthopaedic Trauma, 2008, 22, S83-S90.	0.7	23
18	pQCT: Peripheral Quantitative Computed Tomography. , 2008, , 143-162.		2

#	ARTICLE	IF	CITATIONS
19	Analysis of Trabecular Bone Structure with Multidetector Spiral Computed Tomography in a Simulated Soft-Tissue Environment. <i>Calcified Tissue International</i> , 2007, 80, 366-373.	1.5	46
20	Gallstone Detection at CT in Vitro: Effect of Peak Voltage Setting. <i>Radiology</i> , 2006, 241, 546-553.	3.6	43
21	Trabecular Bone Structure Obtained From Multislice Spiral Computed Tomography of the Calcaneus Predicts Osteoporotic Vertebral Deformities. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 246-253.	0.5	26
22	Two new regions of interest to evaluate separately cortical and trabecular BMD in the proximal femur using DXA. <i>Osteoporosis International</i> , 2004, 15, 12-19.	1.3	14
23	Accuracy of CT-based thickness measurement of thin structures: Modeling of limited spatial resolution in all three dimensions. <i>Medical Physics</i> , 2002, 30, 1-8.	1.6	121
24	Accuracy of mammographic breast density analysis: results of formal operator training. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2002, 11, 1389-93.	1.1	22
25	Accuracy limits for the determination of cortical width and density: the influence of object size and CT imaging parameters. <i>Physics in Medicine and Biology</i> , 1999, 44, 751-764.	1.6	200