

Dongyoen Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improvement of megavoltage computed tomography image quality for adaptive helical tomotherapy using cycleGAN-based image synthesis with small datasets. <i>Medical Physics</i> , 2021, 48, 5593-5610.	3.0	5
2	A Metal Artifact Reduction Method Using a Fully Convolutional Network in the Sinogram and Image Domains for Dental Computed Tomography. <i>Journal of Digital Imaging</i> , 2020, 33, 538-546.	2.9	9
3	Four-Dimensional CBCT Reconstruction Based on a Residual Convolutional Neural Network for Improving Image Quality. <i>Journal of the Korean Physical Society</i> , 2019, 75, 73-79.	0.7	1
4	Wide Image Stitching Based on Software Exposure Compensation in Digital Radiography. <i>Journal of the Korean Physical Society</i> , 2019, 74, 1067-1072.	0.7	2
5	Single-Energy Material Decomposition in Radiography Using a Three-Dimensional Laser Scanner. <i>Journal of the Korean Physical Society</i> , 2019, 75, 153-159.	0.7	5
6	Model-Based Noise Reduction in Scatter Correction Using a Deep Convolutional Neural Network for Radiography. <i>Journal of the Korean Physical Society</i> , 2019, 75, 160-166.	0.7	3
7	Sparse-View Reconstruction in Dental Computed Tomography by Using a Dictionary-Learning Based Method. <i>Journal of the Korean Physical Society</i> , 2019, 74, 57-62.	0.7	0
8	Implementation of the Weighted L1-Norm Scatter Correction Scheme in Dual-Energy Radiography. <i>Journal of the Korean Physical Society</i> , 2019, 74, 414-420.	0.7	3
9	A Normalized Metal Artifact Reduction Method Using an Artifact-Reduced Prior for Dental Computed Tomography. <i>Journal of the Korean Physical Society</i> , 2019, 74, 298-304.	0.7	2
10	Projection-based dual-energy digital tomosynthesis and its image characteristics. <i>Instrumentation Science and Technology</i> , 2019, 47, 248-263.	1.8	3
11	Simulation of Single Grid-based Phase-contrast Digital Tomosynthesis (PC-DTS). <i>Journal of the Korean Physical Society</i> , 2018, 72, 436-443.	0.7	0
12	Feasibility Study for Improving the Image Characteristics in Digital Tomosynthesis (DTS) Using a Compressed-Sensing (Cs)-Based Pre-Deblurring Scheme. <i>Research in Nondestructive Evaluation</i> , 2018, 29, 109-121.	1.1	0
13	A New Voxelization Strategy in Compressed-Sensing (CS)-Based Iterative CT Reconstruction for Reducing Computational Cost: Simulation and Experimental Studies. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 129-137.	1.8	5
14	Iterative Interior Digital Tomosynthesis Reconstruction Using a Dual-Resolution Voxellation Method. <i>Journal of the Korean Physical Society</i> , 2018, 73, 355-360.	0.7	2
15	Soft-compression Mammography Based on Weighted l1-norm Scatter Correction Scheme for Reducing Patient Pain during Breast Examination. <i>Journal of the Korean Physical Society</i> , 2018, 72, 811-817.	0.7	5
16	Analytic Computed Tomography Reconstruction in Sparse-Angular Sampling Using a Sinogram-Normalization Interpolation Method. <i>Journal of the Korean Physical Society</i> , 2018, 73, 361-367.	0.7	3
17	Industrial x-ray inspection system with improved image characterization using blind deblurring based on compressed-sensing scheme. <i>Instrumentation Science and Technology</i> , 2017, 45, 248-258.	1.8	8
18	Image reconstruction in region-of-interest (or interior) digital tomosynthesis (DTS) based on compressed-sensing (CS). <i>Computer Methods and Programs in Biomedicine</i> , 2017, 151, 151-158.	4.7	2

#	ARTICLE	IF	CITATIONS
19	X-Ray grid. Journal of the Korean Physical Society, 2017, 71, 722-726.	0.7	3
20	Mammography image restoration based on a radiographic scattering model from a single projection: Experimental study. Journal of the Korean Physical Society, 2017, 70, 640-646.	0.7	0