

# Hanbean Youn

## List of Publications by Year in descending order

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18  
papers

134  
citations

1307594

7  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-shot dual-energy x-ray imaging with a flat-panel sandwich detector for preclinical imaging. <i>Current Applied Physics</i> , 2014, 14, 1734-1742.	2.4	29
2	Cone-beam digital tomosynthesis for thin slab objects. <i>NDT and E International</i> , 2012, 47, 171-176.	3.7	21
3	Analytic Model of Energy-Absorption Response Functions in Compound X-ray Detector Materials. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1819-1828.	8.9	13
4	Characterization of on-site digital mammography systems: Direct versus indirect conversion detectors. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1926-1935.	0.7	10
5	Generation of hybrid sinograms for the recovery of kV $\mu$ CT images with metal artifacts for helical tomotherapy. <i>Medical Physics</i> , 2015, 42, 4654-4667.	3.0	10
6	Digital tomosynthesis in cone-beam geometry for industrial applications: Feasibility and preliminary study. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012, 13, 1533-1538.	2.2	8
7	Performance characterization of microtomography with complementary metal-oxide-semiconductor detectors for computer-aided defect inspection. <i>Journal of Applied Physics</i> , 2009, 105, 094701.	2.5	7
8	Numerical generation of digital mammograms considering imaging characteristics of an imager. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 810-814.	1.6	7
9	Characterization of Screen-Printed Mercuric Iodide Photoconductors for Mammography. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 3288-3296.	2.0	6
10	Fourier analysis of the imaging characteristics of a CMOS active pixel detector for mammography by using a linearization method. <i>Journal of the Korean Physical Society</i> , 2014, 65, 770-777.	0.7	5
11	Generation of polychromatic projection for dedicated breast computed tomography simulation using anthropomorphic numerical phantom. <i>PLoS ONE</i> , 2017, 12, e0187242.	2.5	5
12	Enhancement in the kV Portal Image Contrast Using Depth Normalization for Accurate Patient Localization. <i>Journal of the Korean Physical Society</i> , 2018, 72, 539-544.	0.7	4
13	Finite element analysis of the effects of pixel geometry on the electrical properties in semiconductor pixel detectors. <i>Journal of the Korean Physical Society</i> , 2013, 62, 813-819.	0.7	3
14	Theoretical Investigation of Metal Artifact Reduction Based on Sinogram Normalization in Computed Tomography. <i>Progress in Medical Physics</i> , 2013, 24, 303.	0.4	3
15	Spatial Resolution and Blurring Artifacts in Digital X-ray Tomosynthesis. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 1180-1186.	2.0	3
16	Analytic response functions in compound semiconductor detectors. , 2012, , .		0
17	Feasibility of Automated Detection of Inter-fractional Deviation in Patient Positioning Using Structural Similarity Index: Preliminary Results. <i>Progress in Medical Physics</i> , 2015, 26, 258.	0.4	0
18	High-resolution industrial radiography using convolutional neural networks. <i>Journal of Instrumentation</i> , 2020, 15, C01025-C01025.	1.2	0