

Seungryong Cho

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

817
citations

623734

14
h-index

552781

26
g-index

69
all docs

69
docs citations

69
times ranked

864
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymphocyte dynamics during and after chemo-radiation correlate to dose and outcome in stage III NSCLC patients undergoing maintenance immunotherapy. <i>Radiotherapy and Oncology</i> , 2022, 168, 1-7.	0.6	25
2	Deep learning-based projection-domain breast thickness estimation for shape-prior iterative image reconstruction in digital breast tomosynthesis. <i>Medical Physics</i> , 2022, , .	3.0	2
3	A generalized simultaneous algebraic reconstruction technique (GSART) for dual-energy X-ray computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2022, , 1-18.	1.0	1
4	A beam-filter-based low-dose imaging for multi-detector-row helical CT. , 2022, , .		0
5	A feasibility study of dual-energy digital breast tomosynthesis for three-compartment-breast imaging. , 2022, , .		1
6	A Novel Low-Dose Dual-Energy Imaging Method for a Fast-Rotating Gantry-Type CT Scanner. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1007-1020.	8.9	7
7	Three-compartment-breast (3CB) prior-guided diffuse optical tomography based on dual-energy digital breast tomosynthesis (DBT). <i>Biomedical Optics Express</i> , 2021, 12, 4837.	2.9	9
8	Geometric and dosimetric verification of a recurrent neural network algorithm to compensate for respiratory motion using an articulated robotic couch. <i>Journal of the Korean Physical Society</i> , 2021, 78, 64-72.	0.7	6
9	Enhancement of soft-tissue contrast in cone-beam CT using an anti-scatter grid with a sparse sampling approach. <i>Physica Medica</i> , 2020, 70, 1-9.	0.7	10
10	Development of digital breast tomosynthesis and diffuse optical tomography fusion imaging for breast cancer detection. <i>Scientific Reports</i> , 2020, 10, 13127.	3.3	20
11	A Pilot Study of Chronological Microbiota Changes in a Rat Apical Periodontitis Model. <i>Microorganisms</i> , 2020, 8, 1174.	3.6	8
12	Clinical implementation of a wide-field electron arc technique with a scatterer for widespread Kaposi's sarcoma in the distal extremities. <i>Scientific Reports</i> , 2020, 10, 9693.	3.3	0
13	Effective noise reduction algorithm for material decomposition in dual-energy X-ray inspection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 968, 163930.	1.6	3
14	Convolutional neural network-based approach to estimate bulk optical properties in diffuse optical tomography. <i>Applied Optics</i> , 2020, 59, 1461.	1.8	27
15	Data-specific mask-guided image reconstruction for diffuse optical tomography. <i>Applied Optics</i> , 2020, 59, 9328.	1.8	6
16	Review of the Existing Relative Biological Effectiveness Models for Carbon Ion Beam Therapy. <i>Progress in Medical Physics</i> , 2020, 31, 1-7.	0.3	3
17	A synthesizing method for signal-enhanced and artifact-reduced mammogram from digital breast tomosynthesis. <i>Physics in Medicine and Biology</i> , 2020, 65, 215026.	3.0	4
18	Improvement of the Bonding Properties of Mineral Trioxide Aggregate by Elastin-Like Polypeptide Supplementation. <i>Scanning</i> , 2019, 2019, 1-8.	1.5	5

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19	Selective morphological analysis of cerium metal in electrodeposit recovered from molten LiCl-KCl eutectic by radiography and computed tomography. Scientific Reports, 2019, 9, 1346.	3.3	6
20	Fluence-map generation for prostate intensity-modulated radiotherapy planning using a deep-neural-network. Scientific Reports, 2019, 9, 15671.	3.3	30
21	Deep-Neural-Network-Based Sinogram Synthesis for Sparse-View CT Image Reconstruction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 109-119.	3.7	152
22	A weighted rebinned backprojectionâ€filtration algorithm from partially beamâ€blocked data for a singleâ€scan coneâ€beam CT with hybrid type scatter correction. Medical Physics, 2019, 46, 1182-1197.	3.0	4
23	Backprojection Filtration Image Reconstruction Approach for Reducing High-Density Object Artifacts in Digital Breast Tomosynthesis. IEEE Transactions on Medical Imaging, 2019, 38, 1161-1171.	8.9	7
24	An additional tiltedâ€scanâ€based <scp>CT</scp> metalâ€artifactâ€reduction method for radiation therapy planning. Journal of Applied Clinical Medical Physics, 2019, 20, 237-249.	1.9	7
25	Evaluation of delivered dose to a moving target by 4D dose reconstruction in gated volumetric modulated arc therapy. PLoS ONE, 2018, 13, e0202765.	2.5	4
26	Novel methods for metal artifact reduction in x-ray tomography. , 2018, , .		0
27	Optimal dose reduction algorithm using an attenuation-based tube current modulation method for cone-beam CT imaging. PLoS ONE, 2018, 13, e0192933.	2.5	7
28	IMAGING DOSE OF HUMAN ORGANS FROM kV-CBCT IN IMAGE-GUIDED RADIATION THERAPY. Radiation Protection Dosimetry, 2017, 175, 194-200.	0.8	11
29	Investigation on Beam-Blocker-Based Scatter Correction Method for Improving CT Number Accuracy. IEEE Transactions on Nuclear Science, 2017, 64, 908-914.	2.0	4
30	Efficient digitalization method for dental restorations using micro-CT data. Scientific Reports, 2017, 7, 44577.	3.3	3
31	A novel preâ€processing technique for improving image quality in digital breast tomosynthesis. Medical Physics, 2017, 44, 417-425.	3.0	6
32	A Feasibility Study of Low-Dose Single-Scan Dual-Energy Cone-Beam CT in Many-View Under-Sampling Framework. IEEE Transactions on Medical Imaging, 2017, 36, 2578-2587.	8.9	31
33	Half-Fan-Based Intensity-Weighted Region-of-Interest Imaging for Low-Dose Cone-Beam CT in Image-Guided Radiation Therapy. Healthcare Informatics Research, 2016, 22, 316.	1.9	3
34	Sampling scheme optimization for diffuse optical tomography based on data and image space rankings. Journal of Biomedical Optics, 2016, 21, 106004.	2.6	7
35	Reconstruction of implanted marker trajectories from cone-beam CT projection images using interdimensional correlation modeling. Medical Physics, 2016, 43, 4643-4654.	3.0	11
36	Moving Beam-Blocker-Based Low-Dose Cone-Beam CT. IEEE Transactions on Nuclear Science, 2016, 63, 2540-2549.	2.0	14

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37	An Image-Based Reduction of Metal Artifacts in Computed Tomography. Journal of Computer Assisted Tomography, 2016, 40, 131-141.	0.9	8
38	Analytic image reconstruction from partial data for a single-scan cone-beam CT with scatter correction. Medical Physics, 2015, 42, 6625-6640.	3.0	14
39	X-ray inspection system with two flat panel detectors for extra-large object inspection. , 2015, , .		0
40	Fast and low-dose computed laminography using compressive sensing based technique. AIP Conference Proceedings, 2015, , .	0.4	4
41	Characterization of Screen-Printed Mercuric Iodide Photoconductors for Mammography. IEEE Transactions on Nuclear Science, 2015, 62, 3288-3296.	2.0	6
42	Endodontic Treatment of an Anomalous Anterior Tooth with the Aid of a 3-dimensional Printed Physical Tooth Model. Journal of Endodontics, 2015, 41, 961-965.	3.1	63
43	Test measurements and evaluations of industrial three-dimensional high-penetration tomography. Journal of the Korean Physical Society, 2015, 66, 518-520.	0.7	0
44	Sparse-view proton computed tomography using modulated proton beams. Medical Physics, 2015, 42, 1129-1137.	3.0	5
45	The adaptation method in the Monte Carlo simulation for computed tomography. Nuclear Engineering and Technology, 2015, 47, 472-478.	2.3	4
46	Fully iterative scatter corrected digital breast tomosynthesis using GPU-based fast Monte Carlo simulation and composition ratio update. Medical Physics, 2015, 42, 5342-5355.	3.0	19
47	Characterization of on-site digital mammography systems: Direct versus indirect conversion detectors. Journal of the Korean Physical Society, 2015, 66, 1926-1935.	0.7	10
48	Differential X-ray phase-contrast imaging with a grating interferometer using a laboratory X-ray micro-focus tube. Journal of the Korean Physical Society, 2014, 65, 2111-2116.	0.7	4
49	Sparse-view computed laminography with a spherical sinusoidal scan for nondestructive testing. Optics Express, 2014, 22, 17745.	3.4	8
50	Mathematical Methods and Applications in Medical Imaging. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	1.3	2
51	Fourier analysis of the imaging characteristics of a CMOS active pixel detector for mammography by using a linearization method. Journal of the Korean Physical Society, 2014, 65, 770-777.	0.7	5
52	An image-based approach for reducing metal artifacts in CT. , 2014, , .		0
53	Effects of sparse sampling schemes on image quality in low-dose CT. Medical Physics, 2013, 40, 1119-15.	3.0	54
54	Improving image quality of a mobile Cone-Beam CT by use of scatter and beam-hardening corrections. , 2013, , .		1

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55	Super-sparsely view-sampled cone-beam CT by incorporating prior data. Journal of X-Ray Science and Technology, 2013, 21, 71-83.	1.0	13
56	Bunched sparse-view CT using a moving multi-slit collimator. , 2012, , .		0
57	Effects of discrete versus continuous prior image in sparse-view CT. , 2012, , .		0
58	Feasibility study on many-view under-sampling technique for low-dose computed tomography. Optical Engineering, 2012, 51, 080501.	1.0	27
59	A dual-energy material decomposition method for high-energy X-ray cargo inspection. Journal of the Korean Physical Society, 2012, 61, 821-824.	0.7	8
60	Sparse-view image reconstruction in prospectively gated micro-CT for fast and low-dose imaging. Journal of the Korean Physical Society, 2012, 60, 1157-1160.	0.7	5
61	Low dose CT technique using prior image knowledge. , 2011, , .		0
62	A BPF&FBP tandem algorithm for image reconstruction in reverse helical cone&beam CT. Medical Physics, 2010, 37, 32-39.	3.0	15
63	Backprojection&filtration reconstruction without invoking a spatially varying weighting factor. Medical Physics, 2010, 37, 1201-1209.	3.0	6
64	Dual-energy technique at low tube voltages for small animal imaging. Tsinghua Science and Technology, 2010, 15, 79-86.	6.1	5
65	Preliminary investigation of dose allocation in low-dose cone-beam CT. , 2010, , .		0
66	Region&of&interest image reconstruction with intensity weighting in circular cone&beam CT for image&guided radiation therapy. Medical Physics, 2009, 36, 1184-1192.	3.0	34
67	Image reconstruction in reduced circular sinusoidal cone-beam CT. Journal of X-Ray Science and Technology, 2009, 17, 189-205.	1.0	9
68	Exact reconstruction of volumetric images in reverse helical cone-beam CT. Medical Physics, 2008, 35, 3030-3040.	3.0	20
69	Region&of&interest image reconstruction in circular cone&beam microCT. Medical Physics, 2007, 34, 4923-4933.	3.0	24