## Mannudeep K Kalra

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135<br/>papers5,606<br/>citations29<br/>h-index73<br/>g-index143<br/>ext. papers7,237<br/>ext. citations6.2<br/>avg, IF5.8<br/>L-index

#	Paper	IF	Citations
135	Cardiovascular disease detection using machine learning and carotid/femoral arterial imaging frameworks in rheumatoid arthritis patients <i>Rheumatology International</i> , <b>2022</b> , 42, 215	3.6	1
134	Bias Investigation in Artificial Intelligence Systems for Early Detection of Parkinson's Disease: A Narrative Review <i>Diagnostics</i> , <b>2022</b> , 12,	3.8	6
133	Understanding the bias in machine learning systems for cardiovascular disease risk assessment: The first of its kind review <i>Computers in Biology and Medicine</i> , <b>2022</b> , 142, 105204	7	8
132	Four Types of Multiclass Frameworks for Pneumonia Classification and Its Validation in X-ray Scans Using Seven Types of Deep Learning Artificial Intelligence Models <i>Diagnostics</i> , <b>2022</b> , 12,	3.8	2
131	National reference levels of CT procedures dedicated for treatment planning in radiation oncology <i>Physica Medica</i> , <b>2022</b> , 96, 123-129	2.7	1
130	Accurate auto-labeling of chest X-ray images based on quantitative similarity to an explainable AI model <i>Nature Communications</i> , <b>2022</b> , 13, 1867	17.4	1
129	Predictive values of AI-based triage model in suboptimal CT pulmonary angiography <i>Clinical Imaging</i> , <b>2022</b> , 86, 25-30	2.7	1
128	Five Strategies for Bias Estimation in Artificial Intelligence-based Hybrid Deep Learning for Acute Respiratory Distress Syndrome COVID-19 Lung Infected Patients using AP(ai)Bias 2.0: A Systematic Review. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1	5.2	1
127	Complex Relationship Between Artificial Intelligence and CT Radiation Dose. <i>Academic Radiology</i> , <b>2021</b> ,	4.3	1
126	Inter-Variability Study of COVLIAS 1.0: Hybrid Deep Learning Models for COVID-19 Lung Segmentation in Computed Tomography. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	6
125	Reply to "Quality Control of Radiomics Study to Differentiate Benign and Malignant Hepatic Lesions". <i>American Journal of Roentgenology</i> , <b>2021</b> , 216, W13	5.4	
124	Artificial intelligence-based vessel suppression for detection of sub-solid nodules in lung cancer screening computed tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2021</b> , 11, 1134-1143	3.6	4
123	Quantitative Chest CT in COPD: Can Deep Learning Enable the Transition?. <i>Radiology: Cardiothoracic Imaging</i> , <b>2021</b> , 3, e210044	8.3	1
122	Investigating centering, scan length, and arm position impact on radiation dose across 4 countries from 4 continents during pandemic: Mitigating key radioprotection issues. <i>Physica Medica</i> , <b>2021</b> , 84, 12	5 <del>-2</del> 131	1
121	Deep metric learning-based image retrieval system for chest radiograph and its clinical applications in COVID-19. <i>Medical Image Analysis</i> , <b>2021</b> , 70, 101993	15.4	13
120	Deep learning predicts cardiovascular disease risks from lung cancer screening low dose computed tomography. <i>Nature Communications</i> , <b>2021</b> , 12, 2963	17.4	11
119	AI-based improvement in lung cancer detection on chest radiographs: results of a multi-reader study in NLST dataset. <i>European Radiology</i> , <b>2021</b> , 31, 9664-9674	8	6

118	PRACTICAL CHALLENGES WITH IMAGING COVID-19 IN BRAZIL: MITIGATION IN AND BEYOND THE PANDEMIC. <i>Radiation Protection Dosimetry</i> , <b>2021</b> , 195, 92-98	0.9		
117	A multi-center study of COVID-19 patient prognosis using deep learning-based CT image analysis and electronic health records. <i>European Journal of Radiology</i> , <b>2021</b> , 139, 109583	4.7	9	
116	Integrative analysis for COVID-19 patient outcome prediction. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101844	<b>1</b> 15.4	35	
115	Low contrast volume dual-energy CT of the chest: Quantitative and qualitative assessment. <i>Clinical Imaging</i> , <b>2021</b> , 69, 305-310	2.7	2	
114	Prediction of burden and management of renal calculi from whole kidney radiomics: a multicenter study. <i>Abdominal Radiology</i> , <b>2021</b> , 46, 2097-2106	3	3	
113	Variations in CT Utilization, Protocols, and Radiation Doses in COVID-19 Pneumonia: Results from 28 Countries in the IAEA Study. <i>Radiology</i> , <b>2021</b> , 298, E141-E151	20.5	20	
112	Quantifying and leveraging predictive uncertainty for medical image assessment. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101855	15.4	7	
111	Cardiovascular Disease Risk Improves COVID-19 Patient Outcome Prediction. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 467-476	0.9		
110	Deep Interactive Denoiser (DID) for X-Ray Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2965-2975	11.7	1	
109	Multicenter Assessment of CT Pneumonia Analysis Prototype for Predicting Disease Severity and Patient Outcome. <i>Journal of Digital Imaging</i> , <b>2021</b> , 34, 320-329	5.3	4	
108	CovidCTNet: an open-source deep learning approach to diagnose covid-19 using small cohort of CT images. <i>Npj Digital Medicine</i> , <b>2021</b> , 4, 29	15.7	29	
107	Use of radiomics to differentiate left atrial appendage thrombi and mixing artifacts on single-phase CT angiography. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 2071-2078	2.5	1	
106	Radiation Dose Reduction in Kidney Stone CT: A Randomized, Facility-Based Intervention. <i>Journal of the American College of Radiology</i> , <b>2021</b> , 18, 1394-1404	3.5	1	
105	Comparison of deep learning, radiomics and subjective assessment of chest CT findings in SARS-CoV-2 pneumonia. <i>Clinical Imaging</i> , <b>2021</b> , 80, 58-66	2.7	2	
104	Artificial intelligence matches subjective severity assessment of pneumonia for prediction of patient outcome and need for mechanical ventilation: a cohort study. <i>Scientific Reports</i> , <b>2021</b> , 11, 858	4.9	13	
103	Association of AI quantified COVID-19 chest CT and patient outcome. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2021</b> , 16, 435-445	3.9	10	
102	COVLIAS 1.0 vs. MedSeg: Artificial Intelligence-Based Comparative Study for Automated COVID-19 Computed Tomography Lung Segmentation in Italian and Croatian Cohorts <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	4	
101	Semiautomatic Segmentation and Radiomics for Dual-Energy CT: A Pilot Study to Differentiate Benign and Malignant Hepatic Lesions. <i>American Journal of Roentgenology</i> , <b>2020</b> , 215, 398-405	5.4	13	

100	Can Dual-Energy Computed Tomography Quantitative Analysis and Radiomics Differentiate Normal Liver From Hepatic Steatosis and Cirrhosis?. <i>Journal of Computer Assisted Tomography</i> , <b>2020</b> , 44, 223-22	29 <sup>2.2</sup>	5
99	A method of rapid quantification of patient-specific organ doses for CT using deep-learning-based multi-organ segmentation and GPU-accelerated Monte Carlo dose computing. <i>Medical Physics</i> , <b>2020</b> , 47, 2526-2536	4.4	25
98	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2020</b> , 15, 1727-1736	3.9	6
97	Chest CT practice and protocols for COVID-19 from radiation dose management perspective. <i>European Radiology</i> , <b>2020</b> , 30, 6554-6560	8	35
96	Multiphase abdomen-pelvis CT in women of childbearing potential (WOCBP): Justification and radiation dose. <i>Medicine (United States)</i> , <b>2020</b> , 99, e18485	1.8	3
95	CT protocols and radiation doses for hematuria and urinary stones: Comparing practices in 20 countries. <i>European Journal of Radiology</i> , <b>2020</b> , 126, 108923	4.7	7
94	Image Quality and Lesion Detection on Deep Learning Reconstruction and Iterative Reconstruction of Submillisievert Chest and Abdominal CT. <i>American Journal of Roentgenology</i> , <b>2020</b> , 214, 566-573	5.4	69
93	Quantitative lobar pulmonary perfusion assessment on dual-energy CT pulmonary angiography: applications in pulmonary embolism. <i>European Radiology</i> , <b>2020</b> , 30, 2535-2542	8	9
92	Cause determination of missed lung nodules and impact of reader training and education: Simulation study with nodule insertion software. <i>Journal of Cancer Research and Therapeutics</i> , <b>2020</b> , 16, 780-787	1.2	2
91	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT <b>2020</b> , 15, 1727		1
90	Quadratic Autoencoder (Q-AE) for Low-Dose CT Denoising. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2035-2050	11.7	24
89	Shape and margin-aware lung nodule classification in low-dose CT images via soft activation mapping. <i>Medical Image Analysis</i> , <b>2020</b> , 60, 101628	15.4	25
88	Radiation dose monitoring in computed tomography: Status, options and limitations. <i>Physica Medica</i> , <b>2020</b> , 79, 1-15	2.7	6
87	Computed Tomography Radiomics Can Predict Disease Severity and Outcome in Coronavirus Disease 2019 Pneumonia. <i>Journal of Computer Assisted Tomography</i> , <b>2020</b> , 44, 640-646	2.2	14
86	Radiomic features of primary tumor by lung cancer stage: analysis in mutated non-small cell lung cancer. <i>Translational Lung Cancer Research</i> , <b>2020</b> , 9, 1441-1451	4.4	3
85	Optimization of paranasal sinus CT procedure: Ultra-low dose CT as a roadmap for pre-functional endoscopic sinus surgery. <i>Physica Medica</i> , <b>2020</b> , 78, 195-200	2.7	
84	Validation of a Deep Learning Algorithm for the Detection of Malignant Pulmonary Nodules in Chest Radiographs. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2017135	10.4	20
83	Artificial intelligence in image reconstruction: The change is here. <i>Physica Medica</i> , <b>2020</b> , 79, 113-125	2.7	15

## (2018-2020)

CT Radiomics, Radiologists, and Clinical Information in Predicting Outcome of Patients with COVID-19 Pneumonia. <i>Radiology: Cardiothoracic Imaging</i> , <b>2020</b> , 2, e200322	8.3	31
Relation between age and CT radiation doses: Dose trends in 705 pediatric head CT. <i>European Journal of Radiology</i> , <b>2020</b> , 130, 109138	4.7	1
Severity and Consolidation Quantification of COVID-19 From CT Images Using Deep Learning Based on Hybrid Weak Labels. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 3529-3538	7.2	13
Clinical and imaging features predict mortality in COVID-19 infection in Iran. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239	9531 <del>9</del>	7
Viewing Imaging Studies: How Patient Location and Imaging Site Affect Referring Physicians. Journal of Digital Imaging, <b>2020</b> , 33, 334-340	5.3	
Knowledge-Based Analysis for Mortality Prediction From CT Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 457-464	7.2	11
Reducing Radiation Dose and Contrast Medium Volume With Application of Dual-Energy CT in Children and Young Adults. <i>American Journal of Roentgenology</i> , <b>2020</b> , 214, 1199-1205	5.4	12
Deploying Clinical Process Improvement Strategies to Reduce Motion Artifacts and Expiratory Phase Scanning in Chest CT. <i>Scientific Reports</i> , <b>2019</b> , 9, 11858	4.9	6
Case 30-2019: A 65-Year-Old Woman with Lung Cancer and Chest Pain. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 1268-1277	59.2	7
Deep learning-enabled system for rapid pneumothorax screening on chest CT. <i>European Journal of Radiology</i> , <b>2019</b> , 120, 108692	4.7	20
Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. <i>Nature Machine Intelligence</i> , <b>2019</b> , 1, 269-276	22.5	131
Predicting malignant potential of subsolid nodules: can radiomics preempt longitudinal follow up CT?. <i>Cancer Imaging</i> , <b>2019</b> , 19, 36	5.6	24
Advanced CT Techniques for Decreasing Radiation Dose, Reducing Sedation Requirements, and Optimizing Image Quality in Children. <i>Radiographics</i> , <b>2019</b> , 39, 709-726	5.4	25
Contrast Administration in CT: A Patient-Centric Approach. <i>Journal of the American College of Radiology</i> , <b>2019</b> , 16, 295-301	3.5	7
Radiation Dose for Multiregion CT Protocols: Challenges and Limitations. <i>American Journal of Roentgenology</i> , <b>2019</b> , 213, 1100-1106	5.4	8
Can fully iterative reconstruction technique enable routine abdominal CT at less than 1 mSv?. European Journal of Radiology Open, <b>2019</b> , 6, 225-230	2.6	6
Development and validation of image quality scoring criteria (IQSC) for pediatric CT: a preliminary study. <i>Insights Into Imaging</i> , <b>2019</b> , 10, 95	5.6	11
3-D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2-D Trained Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1522-1534	11.7	160
	Relation between age and CT radiation doses: Dose trends in 705 pediatric head CT. European Journal of Radiology, 2020, 130, 109138  Severity and Consolidation Quantification of COVID-19 From CT Images Using Deep Learning Based on Hybrid Weak Labels. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3529-3538  Clinical and imaging features predict mortality in COVID-19 infection in Iran. PLoS ONE, 2020, 15, e0233  Viewing Imaging Studies: How Patient Location and Imaging Site Affect Referring Physicians. Journal of Digital Imaging, 2020, 33, 334-340  Knowledge-Based Analysis for Mortality Prediction From CT Images. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 457-464  Reducing Radiation Dose and Contrast Medium Volume With Application of Dual-Energy CT in Children and Young Adults. American Journal of Rentgenology, 2020, 214, 1199-1205  Deploying Clinical Process Improvement Strategies to Reduce Motion Artifacts and Expiratory Phase Scanning in Chest CT. Scientific Reports, 2019, 9, 11858  Case 30-2019: A 65-Year-Old Woman with Lung Cancer and Chest Pain. New England Journal of Medicine, 2019, 381, 1268-1277  Deep learning-enabled system for rapid pneumothorax screening on chest CT. European Journal of Radiology, 2019, 120, 108692  Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. Nature Machine Intelligence, 2019, 1, 269-276  Predicting malignant potential of subsolid nodules: can radiomics preempt longitudinal follow up CT?. Cancer Imaging, 2019, 19, 36  Advanced CT Techniques for Decreasing Radiation Dose, Reducing Sedation Requirements, and Optimizing Image Quality in Children. Radiographics, 2019, 39, 709-726  Contrast Administration in CT: A Patient-Centric Approach. Journal of the American College of Radiology, 2019, 13, 1100-1106  Can fully iterative reconstruction technique enable routine abdominal CT at less than 1 mSv?. European Journal of Radiology Open, 2019, 6, 225-230  Development and val	Relation between age and CT radiation doses: Dose trends in 705 pediatric head CT. European Journal of Radiology, 2020, 130, 109138  Severity and Consolidation Quantification of COVID-19 From CT Images Using Deep Learning Based on Hybrid Weak Labels. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3529-3538  7.2  Clinical and imaging features predict mortality in COVID-19 infection in Iran. PLoS ONE, 2020, 15, e02395/19  Viewing Imaging Studies: How Patient Location and Imaging Site Affect Referring Physicians. Journal of Digital Imaging, 2020, 33, 334-340  Knowledge-Based Analysis for Mortality Prediction From CT Images. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 457-464  Reducing Radiation Dose and Contrast Medium Volume With Application of Dual-Energy CT in Children and Young Adults. American Journal of Roentgenology, 2020, 214, 1199-1205  Deploying Clinical Process Improvement Strategies to Reduce Motion Artifacts and Expiratory Phase Scanning in Chest CT. Scientific Reports, 2019, 9, 11859  Case 30-2019: A 65-Year-Old Woman with Lung Cancer and Chest Pain. New England Journal of Medicine, 2019, 381, 1268-1277  Deep learning-enabled system for rapid pneumothorax screening on chest CT. European Journal of Medicine, 2019, 381, 1268-1277  Deep learning-enabled system for rapid pneumothorax screening on chest CT. European Journal of Radiology, 2019, 120, 108692  Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. Nature Machine Intelligence, 2019, 1, 269-276  22-5  Predicting malignant potential of subsolid nodules: can radiomics preempt longitudinal follow up CT7. Cancer Imaging, 2019, 19, 36  Advanced CT Techniques for Decreasing Radiation Dose, Reducing Sedation Requirements, and Optimizing Image Quality in Children. Radiographics, 2019, 39, 709-726  Contrast Administration in CT: A Patient-Centric Approach. Journal of the American Journal of Radiology, 2019, 213, 1100-1106  San fully iterative rec

64	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1348-1357	11.7	546
63	Bedside Chest Radiographs in the Intensive care Setting: Wireless Direct Radiography Compared to Computed Radiography. <i>Current Problems in Diagnostic Radiology</i> , <b>2018</b> , 47, 397-403	1.6	2
62	Allergic-like contrast reactions in the ED: Incidence, management, and impact on patient disposition. <i>American Journal of Emergency Medicine</i> , <b>2018</b> , 36, 825-828	2.9	3
61	Potentials of the Potential: The "Lower, Slower, and Brighter" Mantra. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, 998-999	3.5	
60	Submillisievert chest dual energy computed tomography: a pilot study. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170735	3.4	4
59	Implications of iodinated contrast media extravasation in the emergency department. <i>American Journal of Emergency Medicine</i> , <b>2018</b> , 36, 294-296	2.9	3
58	CT texture analysis of histologically proven benign and malignant lung lesions. <i>Medicine (United States)</i> , <b>2018</b> , 97, e11172	1.8	24
57	Correction for BD Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2D Trained Network[Jun 18 1522-1534]. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2750-2	7 <b>5b</b> 7	3
56	Process improvement for reducing side discrepancies in radiology reports. <i>Acta Radiologica Open</i> , <b>2018</b> , 7, 2058460118794727	1.2	2
55	Deep learning in chest radiography: Detection of findings and presence of change. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204155	3.7	82
54	Multifactorial Analysis of Mortality in Screening Detected Lung Cancer. <i>Journal of Oncology</i> , <b>2018</b> , 2018, 1296246	4.5	8
53	Assessment of chest CT at CTDI less than 1 mGy with iterative reconstruction techniques. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160625	3.4	10
52	Point Organ Radiation Dose in Abdominal CT: Effect of Patient Off-Centering in an Experimental Human Cadaver Study. <i>Radiation Protection Dosimetry</i> , <b>2017</b> , 175, 440-449	0.9	3
51	Low-Dose Computed Tomography for Lung Cancer Screening: The Protocol and The Dose. <i>Seminars in Roentgenology</i> , <b>2017</b> , 52, 132-136	0.8	3
50	Low-Dose CT With a Residual Encoder-Decoder Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 2524-2535	11.7	580
49	Hybrid Imaging System for Simultaneous Spiral MR and X-ray (MRX) Scans. <i>IEEE Access</i> , <b>2017</b> , 5, 1050-10	0 <b>6;1</b> 5	10
48	Recent advances in cardiac computed tomography dose reduction strategies: a review of scientific evidence and technical developments. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 031211	2.6	10
47	Evaluation of GPU-Based CT Reconstruction for Morbidly Obese Patients <b>2017</b> , 4,		1

Upper-Bound on Dose Reduction in CT Reconstruction for Nodule Detection. IEEE Access, 2016, 4, 4247-4253 4 46 Reliability of body size measurements obtained at autopsy: impact on the pathologic assessment of 1.5 45 the heart. Forensic Science, Medicine, and Pathology, 2016, 12, 139-45 Dual-Energy CT: Spectrum of Thoracic Abnormalities. Radiographics, 2016, 36, 38-52 68 44 5.4 Comparison of Measured and Estimated CT Organ Doses for Modulated and Fixed Tube Current:: A 43 4.3 4 Human Cadaver Study. Academic Radiology, 2016, 23, 634-42 Assessment of sub-milli-sievert abdominal computed tomography with iterative reconstruction 2.9 42 9 techniques of different vendors. World Journal of Radiology, 2016, 8, 618-27 A mixed reality approach for stereo-tomographic quantification of lung nodules. Journal of X-Ray 41 2.1 2 Science and Technology, **2016**, 24, 615-25 Dose reduction in pediatric abdominal CT: use of iterative reconstruction techniques across 2.8 40 40 different CT platforms. *Pediatric Radiology*, **2015**, 45, 1046-55 Dose reduction for chest CT: comparison of two iterative reconstruction techniques. Acta 39 17 Radiologica, 2015, 56, 688-95 CT radiation dose and iterative reconstruction techniques. American Journal of Roentgenology, 38 5.4 134 **2015**, 204, W384-92 The 10 Pillars of Lung Cancer Screening: Rationale and Logistics of a Lung Cancer Screening 63 37 5.4 Program. Radiographics, 2015, 35, 1893-908 CT Radiation: Key Concepts for Gentle and Wise Use. Radiographics, 2015, 35, 1706-21 36 5.4 67 A new technique to characterize CT scanner bow-tie filter attenuation and applications in human 35 11 4.4 cadaver dosimetry simulations. *Medical Physics*, **2015**, 42, 6274-82 Quantification of interstitial fluid on whole body CT: comparison with whole body autopsy. Forensic 1.5 34 5 Science, Medicine, and Pathology, 2015, 11, 488-96 Tube potential and CT radiation dose optimization. American Journal of Roentgenology, 2015, 204, W4-16...4 41 Standardization and optimization of CT protocols to achieve low dose. Journal of the American 61 32 3.5 College of Radiology, **2014**, 11, 271-278 Size-specific dose estimates: Localizer or transverse abdominal computed tomography images?. 2.9 31 17 World Journal of Radiology, **2014**, 6, 210-7 In vitro dose measurements in a human cadaver with abdomen/pelvis CT scans. Medical Physics, 30 4.4 9 2014, 41, 091911 Entrance skin dosimetry and size-specific dose estimate from pediatric chest CTA. Journal of 2.8 29 15 Cardiovascular Computed Tomography, **2014**, 8, 97-107

28	Sinogram-affirmed iterative reconstruction of low-dose chest CT: effect on image quality and radiation dose. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W235-44	5.4	58
27	Iterative image reconstruction and its role in cardiothoracic computed tomography. <i>Journal of Thoracic Imaging</i> , <b>2013</b> , 28, 355-67	5.6	17
26	Cardiac computed tomography angiography with automatic tube potential selection: effects on radiation dose and image quality. <i>Journal of Thoracic Imaging</i> , <b>2013</b> , 28, 40-8	5.6	42
25	Radiation dose reduction with hybrid iterative reconstruction for pediatric CT. <i>Radiology</i> , <b>2012</b> , 263, 53	7 <b>-46</b> 5	113
24	Radiation dose reduction with Sinogram Affirmed Iterative Reconstruction technique for abdominal computed tomography. <i>Journal of Computer Assisted Tomography</i> , <b>2012</b> , 36, 339-46	2.2	137
23	Pointers for optimizing radiation dose in chest CT protocols. <i>Journal of the American College of Radiology</i> , <b>2011</b> , 8, 663-5	3.5	10
22	Pointers for optimizing radiation dose in abdominal CT protocols. <i>Journal of the American College of Radiology</i> , <b>2011</b> , 8, 731-4	3.5	7
21	Adaptive statistical iterative reconstruction technique for radiation dose reduction in chest CT: a pilot study. <i>Radiology</i> , <b>2011</b> , 259, 565-73	20.5	313
20	A variational approach for reconstructing low dose images in clinical helical CT <b>2010</b> ,		4
19	Response to Letter to the Editor: Acute abdominal pain: value of non-contrast enhanded ultra-low-dose multi-detector row CT as a substitute for abdominal radiographs (N. Buls, K. Nieboer, J. de Mey). <i>Emergency Radiology</i> , <b>2010</b> , 17, 167-168	3	
18	In-plane shielding for CT: effect of off-centering, automatic exposure control and shield-to-surface distance. <i>Korean Journal of Radiology</i> , <b>2009</b> , 10, 156-63	6.9	53
17	Informatics in radiology: Render: an online searchable radiology study repository. <i>Radiographics</i> , <b>2009</b> , 29, 1233-46	5.4	28
16	Accurate model-based high resolution cardiac image reconstruction in dual source CT 2009,		5
15	CT of the urinary tract: turning attention to radiation dose. <i>Radiologic Clinics of North America</i> , <b>2008</b> , 46, 1-9, v	2.3	10
14	Current status and future directions in technical developments of cardiac computed tomography. Journal of Cardiovascular Computed Tomography, <b>2008</b> , 2, 71-80	2.8	17
13	Imaging cardiac tumors. Cancer Treatment and Research, 2008, 143, 177-96	3.5	12
12	Automatic patient centering for MDCT: effect on radiation dose. <i>American Journal of Roentgenology</i> , <b>2007</b> , 188, 547-52	5.4	147
11	Protocols for Multislice Helical Computed Tomography: The Fundamentals. <i>American Journal of Roentgenology</i> , <b>2006</b> , 187, W560-W560	5.4	

## LIST OF PUBLICATIONS

10	Cardiovascular MRI: Physical Principles to Practical Protocols. <i>American Journal of Roentgenology</i> , <b>2006</b> , 187, W443-W443	5.4	
9	CT angiography of pulmonary embolism: diagnostic criteria and causes of misdiagnosis. <i>Radiographics</i> , <b>2004</b> , 24, 1219-38	5.4	244
8	Detection and characterization of lesions on low-radiation-dose abdominal CT images postprocessed with noise reduction filters. <i>Radiology</i> , <b>2004</b> , 232, 791-7	20.5	87
7	Strategies for CT radiation dose optimization. <i>Radiology</i> , <b>2004</b> , 230, 619-28	20.5	776
6	Techniques and applications of automatic tube current modulation for CT. Radiology, 2004, 233, 649-57	20.5	552
5	Low-dose CT of the abdomen: evaluation of image improvement with use of noise reduction filters pilot study. <i>Radiology</i> , <b>2003</b> , 228, 251-6	20.5	117
4	Multislice CT: update on radiation and screening. European Radiology, 2003, 13 Suppl 5, M129-33	8	19
3	Current status of multidetector computed tomography urography in imaging of the urinary tract. <i>Current Problems in Diagnostic Radiology</i> , <b>2002</b> , 31, 210-21	1.6	2

1 Practical issues in abdominal PET/CT8-18