Michael F Mcnitt-Gray

List of Publications by Year
in descending order

184	11,825	23567 58	28297 105
papers	citations	h-index	g-index

189	189	189	9163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Lung Image Database Consortium (LIDC) and Image Database Resource Initiative (IDRI): A Completed Reference Database of Lung Nodules on CT Scans. Medical Physics, 2011, 38, 915-931.	3.0	1,659
2	Calcified Coronary Artery Plaque Measurement with Cardiac CT in Population-based Studies: Standardized Protocol of Multi-Ethnic Study of Atherosclerosis (MESA) and Coronary Artery Risk Development in Young Adults (CARDIA) Study. Radiology, 2005, 234, 35-43.	7.3	746
3	AAPM/RSNA Physics Tutorial for Residents: Topics in CT. Radiographics, 2002, 22, 1541-1553.	3.3	532
4	CT Dose Index and Patient Dose: They AreNotthe Same Thing. Radiology, 2011, 259, 311-316.	7.3	377
5	Lung Image Database Consortium: Developing a Resource for the Medical Imaging Research Community. Radiology, 2004, 232, 739-748.	7.3	345
6	Coronary Calcium Measurements: Effect of CT Scanner Type and Calcium Measure on Rescan Reproducibilityâ€"MESA Study. Radiology, 2005, 236, 477-484.	7.3	264
7	Method for segmenting chest CT image data using an anatomical model: preliminary results. IEEE Transactions on Medical Imaging, 1997, 16, 828-839.	8.9	221
8	High-Resolution CT Scan Findings in Patients With Symptomatic Scleroderma-Related Interstitial Lung Disease. Chest, 2008, 134, 358-367.	0.8	198
9	The Lung Image Database Consortium (LIDC) Data Collection Process for Nodule Detection and Annotation. Academic Radiology, 2007, 14, 1464-1474.	2.5	191
10	Application of the noise power spectrum in modern diagnostic MDCT: part I. Measurement of noise power spectra and noise equivalent quanta. Physics in Medicine and Biology, 2007, 52, 4027-4046.	3.0	181
11	RECORDS: improved Reporting of montE CarlO RaDiation transport Studies: Report of the <scp>AAPM</scp> Research Committee Task Group 268. Medical Physics, 2018, 45, e1-e5.	3.0	178
12	Estimated cumulative radiation dose from PET/CT in children with malignancies: a 5-year retrospective review. Pediatric Radiology, 2010, 40, 681-686.	2.0	172
13	A Pilot Study of All-trans-Retinoic Acid for the Treatment of Human Emphysema. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 718-723.	5.6	169
14	Emphysema: Effect of Reconstruction Algorithm on CT Imaging Measures. Radiology, 2004, 232, 295-301.	7.3	169
15	A pattern classification approach to characterizing solitary pulmonary nodules imaged on high resolution CT: Preliminary results. Medical Physics, 1999, 26, 880-888.	3.0	164
16	Patient-specific models for lung nodule detection and surveillance in CT images. IEEE Transactions on Medical Imaging, 2001, 20, 1242-1250.	8.9	158
17	A Monte Carlo based method to estimate radiation dose from multidetector CT (MDCT): cylindrical and anthropomorphic phantoms. Physics in Medicine and Biology, 2005, 50, 3989-4004.	3.0	142
18	The phantom portion of the American College of Radiology (ACR) Computed Tomography (CT) accreditation program: Practical tips, artifact examples, and pitfalls to avoid. Medical Physics, 2004, 31, 2423-2442.	3.0	138

#	Article	IF	Citations
19	ACRâ€“STR Practice Parameter for the Performance and Reporting of Lung Cancer Screening Thoracic Computed Tomography (CT). Journal of Thoracic Imaging, 2014, 29, 310-316.	1.5	138
20	The feasibility of patient sizeâ€corrected, scannerâ€independent organ dose estimates for abdominal CT exams. Medical Physics, 2011, 38, 820-829.	3.0	132
21	Lung Micronodules: Automated Method for Detection at Thin-Section CTâ€”Initial Experience. Radiology, 2003, 226, 256-262.	7.3	130
22	Radiation Dose to the Fetus for Pregnant Patients Undergoing Multidetector CT Imaging: Monte Carlo Simulations Estimating Fetal Dose for a Range of Gestational Age and Patient Size. Radiology, 2008, 249, 220-227.	7.3	127
23	Estimating radiation doses from multidetector CT using Monte Carlo simulations: effects of different size voxelized patient models on magnitudes of organ and effective dose. Physics in Medicine and Biology, 2007, 52, 2583-2597.	3.0	125
24	The feasibility of a scanner-independent technique to estimate organ dose from MDCT scans: Using CTDIvol to account for differences between scanners. Medical Physics, 2010, 37, 1816-1825.	3.0	125
25	A method to generate equivalent energy spectra and filtration models based on measurement for multidetector CT Monte Carlo dosimetry simulations. Medical Physics, 2009, 36, 2154-2164.	3.0	118
26	A Monte Carlo-based method to estimate radiation dose from spiral CT: from phantom testing to patient-specific models. Physics in Medicine and Biology, 2003, 48, 2645-2663.	3.0	117
27	Comparison of treatment response classifications between unidimensional, bidimensional, and volumetric measurements of metastatic lung lesions on chest computed tomography1. Academic Radiology, 2004, 11, 1355-1360.	2.5	115
28	Computed Tomography in the Evaluation of Cystic Fibrosis Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1246-1252.	5.6	108
29	Radiomics of Lung Nodules: A Multi-Institutional Study of Robustness and Agreement of Quantitative Imaging Features. Tomography, 2016, 2, 430-437.	1.8	108
30	Airway hyperreactivity: assessment with helical thin-section CT.. Radiology, 1998, 208, 321-329.	7.3	107
31	Feature selection in the pattern classification problem of digital chest radiograph segmentation. IEEE Transactions on Medical Imaging, 1995, 14, 537-547.	8.9	106
32	Coronary artery calcium: Alternate methods for accurate and reproducible quantitation. Academic Radiology, 1997, 4, 666-673.	2.5	106
33	The Lung Image Database Consortium (LIDC). Academic Radiology, 2007, 14, 1475-1485.	2.5	100
34	Radiation Doses in Consecutive CT Examinations from Five University of California Medical Centers. Radiology, 2015, 277, 134-141.	7.3	100
35	Application of the noise power spectrum in modern diagnostic MDCT: part II. Noise power spectra and signal to noise. Physics in Medicine and Biology, 2007, 52, 4047-4061.	3.0	95
36	The Lung Image Database Consortium (LIDC): An Evaluation of Radiologist Variability in the Identification of Lung Nodules on CT Scans. Academic Radiology, 2007, 14, 1409-1421.	2.5	91

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37	Use of Water Equivalent Diameter for Calculating Patient Size and Size-Specific Dose Estimates (SSDE) in CT: The Report of AAPM Task Group 220. AAPM Report, 2014, 2014, 6-23.	2.0	91
38	Radiation Exposure from CT Scans: How to Close Our Knowledge Gaps, Monitor and Safeguard Exposureâ€"Proceedings and Recommendations of the Radiation Dose Summit, Sponsored by NIBIB, February 24â€"25, 2011. Radiology, 2012, 265, 544-554.	7.3	88
39	Measuring Coronary Calcium on CT Images Adjusted for Attenuation Differences. Radiology, 2005, 235, 403-414.	7.3	87
40	Computed tomography dose assessment for a 160 mm wide, 320 detector row, cone beam CT scanner. Physics in Medicine and Biology, 2009, 54, 3141-3159.	3.0	83
41	Computer-aided Lung Nodule Detection in CT. Academic Radiology, 2005, 12, 681-686.	2.5	82
42	Computer Aided Characterization of the Solitary Pulmonary Nodule Using Volumetric and Contrast Enhancement Features1. Academic Radiology, 2005, 12, 1310-1319.	2.5	81
43	Reproducibility of Coronary Artery Calcified Plaque with Cardiac 64-MDCT: The Multi-Ethnic Study of Atherosclerosis. American Journal of Roentgenology, 2009, 192, 613-617.	2.2	77
44	Dose to Radiosensitive Organs During Routine Chest CT: Effects of Tube Current Modulation. American Journal of Roentgenology, 2009, 193, 1340-1345.	2.2	77
45	Assessment methodologies and statistical issues for computer-aided diagnosis of lung nodules in computed tomography. Academic Radiology, 2004, 11, 462-475.	2.5	76
46	Evaluation of Lung MDCT Nodule Annotation Across Radiologists and Methods. Academic Radiology, 2006, 13, 1254-1265.	2.5	76
47	Automated classification of lung bronchovascular anatomy in CT using AdaBoost. Medical Image Analysis, 2007, 11, 315-324.	11.6	76
48	The Reference Image Database to Evaluate Response to Therapy in Lung Cancer (RIDER) Project: A Resource for the Development of Change-Analysis Software. Clinical Pharmacology and Therapeutics, 2008, 84, 448-456.	4.7	76
49	Diagnostic Reference Levels From the ACR CT Accreditation Program. Journal of the American College of Radiology, 2011, 8, 795-803.	1.8	76
50	Monte Carlo reference data sets for imaging research: Executive summary of the report of AAPM Research Committee Task Group 195. Medical Physics, 2015, 42, 5679-5691.	3.0	76
51	The effects of co-occurrence matrix based texture parameters on the classification of solitary pulmonary nodules imaged on computed tomography. Computerized Medical Imaging and Graphics, 1999, 23, 339-348.	5.8	75
52	ACR CT Accreditation Program and the Lung Cancer Screening Program Designation. Journal of the American College of Radiology, 2016, 13, R30-R34.	1.8	73
53	Development and Testing of Image-Processing Methods for the Quantitative Assessment of Airway Hyperresponsiveness from High-Resolution CT Images. Journal of Computer Assisted Tomography, 1997, 21, 939-947.	0.9	68
54	Monte Carlo simulations to assess the effects of tube current modulation on breast dose for multidetector CT. Physics in Medicine and Biology, 2009, 54, 497-512.	3.0	67

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55	Assessment of Radiologist Performance in the Detection of Lung Nodules. Academic Radiology, 2009, 16, 28-38.	2.5	67
56	Computer-assisted phalangeal analysis in skeletal age assessment. IEEE Transactions on Medical Imaging, 1991, 10, 616-620.	8.9	67
57	Knowledge-based segmentation of thoracic computed tomography images for assessment of split lung function. Medical Physics, 2000, 27, 592-598.	3.0	61
58	ACR CT Accreditation Program and the Lung Cancer Screening Program Designation. Journal of the American College of Radiology, 2015, 12, 38-42.	1.8	60
59	Automatic Segmentation of Lung Parenchyma in the Presence of Diseases Based on Curvature of Ribs. Academic Radiology, 2008, 15, 1173-1180.	2.5	58
60	Automated Measurement of Single and Total Lung Volume from CT. Journal of Computer Assisted Tomography, 1999, 23, 632-640.	0.9	58
61	Variability in CT lung-nodule quantification: Effects of dose reduction and reconstruction methods on density and texture based features. Medical Physics, 2016, 43, 4854-4865.	3.0	57
62	Description and Implementation of a Quality Control Program in an Imaging-Based Clinical Trial. Academic Radiology, 2006, 13, 1431-1441.	2.5	56
63	A Novel Fast Helical 4D-CT Acquisition Technique toÂGenerate Low-Noise Sorting Artifactâ€“Free Images atÂUser-Selected Breathing Phases. International Journal of Radiation Oncology Biology Physics, 2014, 89, 191-198.	0.8	53
64	Toward clinically usable CAD for lung cancer screening with computed tomography. European Radiology, 2014, 24, 2719-2728.	4.5	52
65	Ultraâ€lowâ€dose CT image denoising using modified BM3D scheme tailored to data statistics. Medical Physics, 2019, 46, 190-198.	3.0	52
66	The Effect of Lung Volume on Nodule Size on CT. Academic Radiology, 2007, 14, 476-485.	2.5	51
67	The Lung Image Database Consortium (LIDC). Academic Radiology, 2007, 14, 1455-1463.	2.5	50
68	The feasibility of a regional CTDI_{vol} to estimate organ dose from tube current modulated CT exams. Medical Physics, 2013, 40, 051903.	3.0	50
69	Quantitative Imaging to Assess Tumor Response to Therapy: Common Themes of Measurement, Truth Data, and Error Sources. Translational Oncology, 2009, 2, 198-210.	3.7	49
70	Variability of surface and center position radiation dose in MDCT: Monte Carlo simulations using CTDI and anthropomorphic phantoms. Medical Physics, 2009, 36, 1025-1038.	3.0	44
71	Pulmonary nodule characterization: A comparison of conventional with quantitative and visual semi-quantitative analyses using contrast enhancement maps. European Journal of Radiology, 2006, 59, 244-252.	2.6	43
72	Reproducibility of Lung and Lobar Volume Measurements Using Computed Tomography. Academic Radiology, 2010, 17, 316-322.	2.5	43

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73	Characterization of the nanoDot OSLD dosimeter in CT. Medical Physics, 2015, 42, 1797-1807.	3.0	43
74	Comparison of 1D, 2D, and 3D Nodule Sizing Methods by Radiologists for Spherical and Complex Nodules on Thoracic CT Phantom Images. Academic Radiology, 2014, 21, 30-40.	2.5	39
75	Volumetric CT in Lung Cancer. Academic Radiology, 2010, 17, 107-115.	2.5	38
76	Medical Image Segmentation with Knowledge-guided Robust Active Contours. Radiographics, 2002, 22, 437-448.	3.3	37
77	AAPM Medical Physics Practice Guideline 1.a: CT Protocol Management and Review Practice Guideline. Journal of Applied Clinical Medical Physics, 2013, 14, 3-12.	1.9	37
78	Cardiac Electron-Beam CT in Children Undergoing Surgical Repair for Pulmonary Atresia. Radiology, 1999, 213, 502-512.	7.3	36
79	Emphysema lung lobe volume reduction: effects on the ipsilateral and contralateral lobes. European Radiology, 2012, 22, 1547-1555.	4.5	36
80	Computer-aided Diagnosis of the Solitary Pulmonary Nodule1. Academic Radiology, 2005, 12, 570-575.	2.5	35
81	Computed Tomography Assessment of Response to Therapy: Tumor Volume Change Measurement, Truth Data, and Error. Translational Oncology, 2009, 2, 216-222.	3.7	35
82	A convolutional neural network for ultraâ€lowâ€dose CT denoising and emphysema screening. Medical Physics, 2019, 46, 3941-3950.	3.0	35
83	A comparison of methods to estimate organ doses in CT when utilizing approximations to the tube current modulation function. Medical Physics, 2012, 39, 5212-5228.	3.0	34
84	Radiation dose in Spiral CT: The relative effects of collimation and pitch. Medical Physics, 1999, 26, 409-414.	3.0	33
85	Peak Skin and Eye Lens Radiation Dose From Brain Perfusion CT Based on Monte Carlo Simulation. American Journal of Roentgenology, 2012, 198, 412-417.	2.2	32
86	Attenuationâ€based size metric for estimating organ dose to patients undergoing tube current modulated CT exams. Medical Physics, 2015, 42, 958-968.	3.0	32
87	Variability in CT lungâ€nodule volumetry: Effects of dose reduction and reconstruction methods. Medical Physics, 2015, 42, 2679-2689.	3.0	32
88	Technical Note: FreeCT_wFBP: A robust, efficient, openâ€source implementation of weighted filtered backprojection for helical, fanâ€beam CT. Medical Physics, 2016, 43, 1411-1420.	3.0	31
89	Role of the Quantitative Imaging Biomarker Alliance in Optimizing CT for the Evaluation of Lung Cancer Screenâ€Detected Nodules. Journal of the American College of Radiology, 2015, 12, 390-395.	1.8	30
90	Database Design and Implementation for Quantitative Image Analysis Research. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 99-108.	3.2	28

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91	Solitary pulmonary nodule diagnosis on CT. Academic Radiology, 2005, 12, 496-501.	2.5	27
92	Estimating patient dose from CT exams that use automatic exposure control: Development and validation of methods to accurately estimate tube current values. Medical Physics, 2017, 44, 4262-4275.	3.0	27
93	Determining the Variability of Lesion Size Measurements from CT Patient Data Sets Acquired under â€œNo Changeâ€•Conditions. Translational Oncology, 2015, 8, 55-64.	3.7	26
94	Reproducibility of volume and densitometric measures of emphysema on repeat computed tomography with an interval of 1Âweek. European Radiology, 2012, 22, 287-294.	4.5	25
95	Integrated multimedia timeline of medical images and data for thoracic oncology patients.. Radiographics, 1996, 16, 669-681.	3.3	23
96	Reducing radiation dose to selected organs by selecting the tube start angle in MDCT helical scans: A Monte Carlo based study. Medical Physics, 2009, 36, 5654-5664.	3.0	22
97	Image Preprocessing for a Picture Archiving and Communication System. Investigative Radiology, 1992, 27, 529-534.	6.2	20
98	Electron-beam CT: The effect of using a correction function on coronary artery calcium quantitation. Academic Radiology, 1999, 6, 40-48.	2.5	20
99	Problem-oriented Prefetching for an Integrated Clinical Imaging Workstation. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 242-253.	4.4	20
100	Development and validation of a measurementâ€based source model for kilovoltage coneâ€beam CT Monte Carlo dosimetry simulations. Medical Physics, 2013, 40, 111907.	3.0	20
101	A unified timeline model and user interface for multimedia medical databases. Computerized Medical Imaging and Graphics, 1996, 20, 333-346.	5.8	18
102	Sizeâ€specific, scannerâ€independent organ dose estimates in contiguous axial and helical head CT examinations. Medical Physics, 2014, 41, 121909.	3.0	18
103	Knowledge-Based Segmentation of Pediatric Kidneys in CT for Measurement of Parenchymal Volume. Journal of Computer Assisted Tomography, 2001, 25, 639-648.	0.9	17
104	Report 87. Journal of the ICRU, 2012, 12, NP-NP.	15.5	17
105	Semiâ€automated pulmonary nodule interval segmentation using the <scp>NLST</scp> data. Medical Physics, 2018, 45, 1093-1107.	3.0	17
106	CAD in clinical trials: Current role and architectural requirements. Computerized Medical Imaging and Graphics, 2007, 31, 332-337.	5.8	16
107	Precision of dosimetry-related measurements obtained on current multidetector computed tomography scanners. Medical Physics, 2010, 37, 4102-4109.	3.0	16
108	Patient Sizeâ€“Specific Analysis of Dose Indexes From CT Lung Cancer Screening. American Journal of Roentgenology, 2017, 208, 144-149.	2.2	16

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109	Reproducibility of lung nodule radiomic features: Multivariable and univariable investigations that account for interactions between CT acquisition and reconstruction parameters. Medical Physics, 2021, 48, 2906-2919.	3.0	16
110	Radiation issues in computed tomography screening. Seminars in Roentgenology, 2003, 38, 87-99.	0.6	15
111	Forming a reference standard from LIDC data: impact of reader agreement on reported CAD performance. , 2007, , .		14
112	The effect of radiation dose reduction on computer-aided detection (CAD) performance in a low-dose lung cancer screening population. Medical Physics, 2017, 44, 1337-1346.	3.0	14
113	Validation of a Monte Carlo model used for simulating tube current modulation in computed tomography over a wide range of phantom conditions/challenges. Medical Physics, 2014, 41, 112101.	3.0	13
114	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3748-3761.	8.9	13
115	Stanford DRO Toolkit: Digital Reference Objects for Standardization of Radiomic Features. Tomography, 2020, 6, 111-117.	1.8	13
116	Optimization of multi-slice helical respiration-correlated CT: the effects of table speed and rotation time. Physics in Medicine and Biology, 2005, 50, 5717-5729.	3.0	12
117	Accuracy of Monte Carlo simulations compared to inâ€vivo MDCT dosimetry. Medical Physics, 2015, 42, 1080-1086.	3.0	12
118	Estimating organ doses from tube current modulated CT examinations using a generalized linear model. Medical Physics, 2017, 44, 1500-1513.	3.0	12
119	The effects of physicsâ€based data augmentation on the generalizability of deep neural networks: Demonstration on nodule falseâ€positive reduction. Medical Physics, 2019, 46, 4563-4574.	3.0	12
120	Inter-Method Performance Study ofÂTumor Volumetry Assessment onÂComputed Tomography Test-Retest Data. Academic Radiology, 2015, 22, 1393-1408.	2.5	11
121	Estimating fetal dose from tube currentâ€modulated (TCM) and fixed tube current (FTC) abdominal/pelvis CT examinations. Medical Physics, 2019, 46, 2729-2743.	3.0	11
122	Effect of Edge-Preserving Adaptive Image Filter on Low-Contrast Detectability in CT Systems: Application of ROC Analysis. International Journal of Biomedical Imaging, 2008, 2008, 1-6.	3.9	10
123	Estimating a sizeâ€specific dose for helical head CT examinations using Monte Carlo simulation methods. Medical Physics, 2019, 46, 902-912.	3.0	10
124	A comparison of breast and lung doses from chest CT scans using organâ€based tube current modulation (OBTCM) vs. Automatic tube current modulation (ATCM). Journal of Applied Clinical Medical Physics, 2021, 22, 97-109.	1.9	9
125	Diagnosis and monitoring of systemic sclerosis-associated interstitial lung disease using high-resolution computed tomography. Journal of Scleroderma and Related Disorders, 2022, 7, 168-178.	1.7	9
126	An automatic method for enhancing the display of different tissue densities in digital chest radiographs. Journal of Digital Imaging, 1993, 6, 95-104.	2.9	8

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127	<title>Knowledge-based automated technique for measuring total lung volume from CT</title>. , 1996, , .		7
128	<title>Extensible knowledge-based architecture for segmenting CT data</title>. , 1998, 3338, 564.		7
129	Lung nodules and beyond: approaches, challenges and opportunities in thoracic CAD. International Congress Series, 2004, 1268, 896-901.	0.2	7
130	Estimating lung, breast, and effective dose from lowâ€dose lung cancer screening CT exams with tube current modulation across a range of patient sizes. Medical Physics, 2018, 45, 4667-4682.	3.0	7
131	Evaluating Sizeâ€Specific Dose Estimate (SSDE) as an estimate of organ doses from routine CT exams derived from Monte Carlo simulations. Medical Physics, 2021, 48, 6160-6173.	3.0	7
132	<title>Object-oriented region-of-interest toolkit for workstations</title>. , 1998, 3335, 627.		6
133	Varying kVp as a means of reducing CT breast dose to pediatric patients. Physics in Medicine and Biology, 2013, 58, 4455-4469.	3.0	6
134	Calibration strategies for use of the nanoDot <scp>OSLD</scp> in <scp>CT</scp> applications. Journal of Applied Clinical Medical Physics, 2019, 20, 331-339.	1.9	6
135	Computed radiography dual energy subtraction: Performance evaluation when detecting low-contrast lung nodules in an anthropomorphic phantom. Journal of Digital Imaging, 1999, 12, 29-33.	2.9	5
136	The Lung Image Database Consortium (LIDC): pulmonary nodule measurements, the variation, and the difference between different size metrics. , 2007, , .		5
137	An Architecture for Computer-Aided Detection and Radiologic Measurement of Lung Nodules in Clinical Trials. Cancer Informatics, 2007, 4, 117693510700400.	1.9	5
138	Investigation of DNA Damage Dose-Response Kinetics after Ionizing Radiation Schemes Similar to CT Protocols. Radiation Research, 2015, 183, 701-707.	1.5	5
139	Lowâ€dose <scp>CT</scp> perfusion with projection view sharing. Medical Physics, 2018, 45, 101-113.	3.0	5
140	Computer-aided lung nodule diagnosis using a simple classifier. International Congress Series, 2004, 1268, 952-955.	0.2	4
141	Imaging biomarkers for patient selection and treatment planning in emphysema. Imaging in Medicine, 2010, 2, 565-573.	0.0	4
142	Evaluation of 1D, 2D and 3D nodule size estimation by radiologists for spherical and non-spherical nodules through CT thoracic phantom imaging. , 2011, , .		4
143	Monte Carlo Basics for Radiation Dose Assessment in Diagnostic Radiology. Journal of the American College of Radiology, 2017, 14, 793-794.	1.8	4
144	Technical Note: Free<scp>CT</scp>_<scp>ICD</scp>: An openâ€source implementation of a modelâ€based iterative reconstruction method using coordinate descent optimization for <scp>CT</scp> imaging investigations. Medical Physics, 2018, 45, 3591-3603.	3.0	4

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145	Reference dataset for benchmarking fetal doses derived from Monte Carlo simulations of CT exams. Medical Physics, 2021, 48, 523-532.	3.0	4
146	Enhancing 4d Cardiac Mri Registration Network With A Motion Prior Learned From Coronary Cta. , 2021, , .		4
147	AAPM Medical Physics Practice Guideline 1.b: CT protocol management and review practice guideline. Journal of Applied Clinical Medical Physics, 2021, 22, 4-10.	1.9	4
148	An architecture for computer-aided detection and radiologic measurement of lung nodules in clinical trials. Cancer Informatics, 2007, 4, 25-31.	1.9	4
149	<title>Tradeoffs in helical CT: the effects of collimation and pitch on dose, noise, and slice sensitivity profiles</title>. , 1996, , .		3
150	The influence of CT dose and reconstruction parameters on automated detection of small pulmonary nodules. , 2006, , .		3
151	Estimating peak skin and eye lens dose from neuroperfusion examinations: Use of Monte Carlo based simulations and comparisons to CTDI_{vol}, AAPM Report No. 111, and ImPACT dosimetry tool values. Medical Physics, 2013, 40, 091901.	3.0	3
152	Success rates for computed tomography-guided musculoskeletal biopsies performed using a low-dose technique. Skeletal Radiology, 2014, 43, 1599-1603.	2.0	3
153	The impact of x-ray tube stabilization on localized radiation dose in axial CT scans: initial results in CTDI phantoms. Physics in Medicine and Biology, 2016, 61, 7363-7376.	3.0	3
154	The effects of slice thickness and radiation dose level variations on computer-aided diagnosis (CAD) nodule detection performance in pediatric chest CT scans. , 2017, , .		3
155	Investigating the minimum scan parameters required to generate free-breathing motion artefact-free fast-helical CT. British Journal of Radiology, 2018, 91, 20170597.	2.2	3
156	<title>Automatic removal of unexposed background in digital radiographs</title>. , 1992, 1653, 451.		2
157	Differentiating solitary pulmonary nodules (SPNs) with 3D shape features. , 2007, , .		2
158	The Lung Image Database Consortium (LIDC): a quality assurance model for the collection of expert-defined truth in lung-nodule-based image analysis studies. , 2007, , .		2
159	Estimated cumulative radiation dose from PET/CT in children with malignancies: reply to Gelfand et al. Pediatric Radiology, 2010, 40, 1714-1715.	2.0	2
160	Technical Note: Design and implementation of a highâ€throughput pipeline for reconstruction and quantitative analysis of CT image data. Medical Physics, 2019, 46, 2310-2322.	3.0	2
161	The effects of variations in parameters and algorithm choices on calculated radiomics feature values: initial investigations and comparisons to feature variability across CT image acquisition conditions. , 2018, , .		2
162	Automated tumor size assessment: Consistency of computer measurements with an expert panel.. Journal of Clinical Oncology, 2013, 31, 7566-7566.	1.6	2

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163	Towards quantitative imaging: stability of fully automated nodule segmentation across varied dose levels and reconstruction parameters in a low-dose CT screening patient cohort. , 2018, , .		2
164	Iterative reconstruction for low dose CT using Plug-and-Play alternating direction method of multipliers (ADMM) framework. , 2019, , .		2
165	<title>Patient-specific models for lung nodule detection and surveillance in CT images</title>. , 2001, , .		1
166	Radiation issues in computed tomography screening. Radiologic Clinics of North America, 2004, 42, 711-723.	1.8	1
167	Tradeoffs in noise, resolution, and dose with reconstruction filter selection in lung nodule detection in CT. , 2005, 5745, 695.		1
168	Automatic segmentation of lung parenchyma based on curvature of ribs using HRCT images in scleroderma studies. , 2008, , .		1
169	Estimating lesion volume in low-dose chest CT: How low can we go?. Proceedings of SPIE, 2014, , .	0.8	1
170	The evolution of an integrated timeline for oncology patient healthcare. Proceedings, 1998, , 165-9.	0.6	1
171	Inter-Phase 4D Cardiac MRI Registration With a Motion Prior Derived From CTA. IEEE Transactions on Biomedical Engineering, 2022, 69, 1828-1836.	4.2	1
172	<title>Contrast enhancement maps for lung lesions imaged on CT</title>. , 2000, 3978, 78.		0
173	Monte-Carlo-based simulation tool to model the physics and geometry of electron beam computed tomography. , 2001, , .		0
174	Lung. , 2002, , .		0
175	Selecting a new computed tomography scanner: things to consider. Journal of the American College of Radiology, 2004, 1, 69-70.	1.8	0
176	Estimating surface radiation dose from multidetector CT: cylindrical phantoms, anthropomorphic phantoms, and Monte Carlo simulations. , 2005, , .		0
177	Computer-aided characterization of solitary pulmonary nodules (SPNs) using structural 3D, texture, and functional dynamic contrast features. , 2007, , .		0
178	Dependence of CT attenuation values on scanner type using in vivo measurements. , 2008, , .		0
179	The accuracy of estimated organ doses from Monte Carlo CT simulations using cylindrical regions of interest within organs. , 2011, , .		0
180	The relationship between organ dose and patient size in tube current modulated adult thoracic CT scans. Proceedings of SPIE, 2012, , .	0.8	0

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181	Effects of CT dose and nodule characteristics on lung-nodule detectability in a cohort of 90 national lung screening trial patients. , 2016, , .		0
182	RECORDS: improved Reporting of montE CarlO RaDiation transport Studies. International Journal of Radiation Oncology Biology Physics, 2018, 101, 792-793.	0.8	0
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