Michael F Mcnitt-Gray

List of Publications by Year
in descending order

184 papers	11,825 citations	23544 58 h-index	28275 105 g-index
189 all docs	189 docs citations	189 times ranked	9163 citing authors

#	Article	IF	Citations
1	Inter-Phase 4D Cardiac MRI Registration With a Motion Prior Derived From CTA. IEEE Transactions on Biomedical Engineering, 2022, 69, 1828-1836.	2.5	1
2	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.	1.0	9
3	Reference dataset for benchmarking fetal doses derived from Monte Carlo simulations of CT exams. Medical Physics, 2021, 48, 523-532.	1.6	4
4	Enhancing 4d Cardiac Mri Registration Network With A Motion Prior Learned From Coronary Cta. , 2021, , .		4
5	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.	1.6	16
6	AAPM Medical Physics Practice Guideline 1.b: CT protocol management and review practice guideline. Journal of Applied Clinical Medical Physics, 2021, 22, 4-10.	0.8	4
7	A comparison of breast and lung doses from chest CT scans using organ‐based tube current modulation (OBTCM) vs. Automatic tube current modulation (ATCM). Journal of Applied Clinical Medical Physics, 2021, 22, 97-109.	0.8	9
8	Evaluating Size‐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.	1.6	7
9	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3748-3761.	5.4	13
10	Quantitative Imaging in Computed Tomography. , 2021, , 1-16.		0
11	Stanford DRO Toolkit: Digital Reference Objects for Standardization of Radiomic Features. Tomography, 2020, 6, 111-117.	0.8	13
12	The effects of physics‐based data augmentation on the generalizability of deep neural networks: Demonstration on nodule false‐positive reduction. Medical Physics, 2019, 46, 4563-4574.	1.6	12
13	Technical Note: Design and implementation of a high‐throughput pipeline for reconstruction and quantitative analysis of CT image data. Medical Physics, 2019, 46, 2310-2322.	1.6	2
14	A convolutional neural network for ultra‐low‐dose CT denoising and emphysema screening. Medical Physics, 2019, 46, 3941-3950.	1.6	35
15	Estimating fetal dose from tube current‐modulated (TCM) and fixed tube current (FTC) abdominal/pelvis CT examinations. Medical Physics, 2019, 46, 2729-2743.	1.6	11
16	Estimating a size‐specific dose for helical head CT examinations using Monte Carlo simulation methods. Medical Physics, 2019, 46, 902-912.	1.6	10
17	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.	0.8	6
18	Ultra‐low‐dose CT image denoising using modified BM3D scheme tailored to data statistics. Medical Physics, 2019, 46, 190-198.	1.6	52

#	Article	IF	Citations
19	Iterative reconstruction for low dose CT using Plug-and-Play alternating direction method of multipliers (ADMM) framework. , 2019, , .		2
20	Investigating the minimum scan parameters required to generate free-breathing motion artefact-free fast-helical CT. British Journal of Radiology, 2018, 91, 20170597.	1.0	3
21	Semi‐automated pulmonary nodule interval segmentation using the <scp>NLST</scp> data. Medical Physics, 2018, 45, 1093-1107.	1.6	17
22	Low‐dose <scp>CT</scp> perfusion with projection view sharing. Medical Physics, 2018, 45, 101-113.	1.6	5
23	Technical Note: Free<scp>CT</scp>_<scp>ICD</scp>: An open‐source implementation of a model‐based iterative reconstruction method using coordinate descent optimization for <scp>CT</scp> imaging investigations. Medical Physics, 2018, 45, 3591-3603.	1.6	4
24	RECORDS: improved Reporting of montE CarlO RaDiation transport Studies. International Journal of Radiation Oncology Biology Physics, 2018, 101, 792-793.	0.4	0
25	Estimating lung, breast, and effective dose from low‐dose lung cancer screening CT exams with tube current modulation across a range of patient sizes. Medical Physics, 2018, 45, 4667-4682.	1.6	7
26	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.	1.6	178
27	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
28	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
29	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.	1.6	14
30	Estimating organ doses from tube current modulated CT examinations using a generalized linear model. Medical Physics, 2017, 44, 1500-1513.	1.6	12
31	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.	1.6	27
32	Monte Carlo Basics for Radiation Dose Assessment in Diagnostic Radiology. Journal of the American College of Radiology, 2017, 14, 793-794.	0.9	4
33	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
34	Patient Size‐Specific Analysis of Dose Indexes From CT Lung Cancer Screening. American Journal of Roentgenology, 2017, 208, 144-149.	1.0	16
35	Radiomics of Lung Nodules: A Multi-Institutional Study of Robustness and Agreement of Quantitative Imaging Features. Tomography, 2016, 2, 430-437.	0.8	108
36	Effects of CT dose and nodule characteristics on lung-nodule detectability in a cohort of 90 national lung screening trial patients. , 2016, , .		0

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37	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.	1.6	57
38	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.	1.6	3
39	Technical Note: FreeCT_wFBP: A robust, efficient, open-source implementation of weighted filtered backprojection for helical, fan-beam CT. Medical Physics, 2016, 43, 1411-1420.	1.6	31
40	ACR CT Accreditation Program and the Lung Cancer Screening Program Designation. Journal of the American College of Radiology, 2016, 13, R30-R34.	0.9	73
41	Characterization of the nanoDot OSLD dosimeter in CT. Medical Physics, 2015, 42, 1797-1807.	1.6	43
42	Attenuation-based size metric for estimating organ dose to patients undergoing tube current modulated CT exams. Medical Physics, 2015, 42, 958-968.	1.6	32
43	ACR CT Accreditation Program and the Lung Cancer Screening Program Designation. Journal of the American College of Radiology, 2015, 12, 38-42.	0.9	60
44	Accuracy of Monte Carlo simulations compared to *in-vivo* MDCT dosimetry. Medical Physics, 2015, 42, 1080-1086.	1.6	12
45	Role of the Quantitative Imaging Biomarker Alliance in Optimizing CT for the Evaluation of Lung Cancer Screen–Detected Nodules. Journal of the American College of Radiology, 2015, 12, 390-395.	0.9	30
46	Radiation Doses in Consecutive CT Examinations from Five University of California Medical Centers. Radiology, 2015, 277, 134-141.	3.6	100
47	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.	1.6	76
48	Investigation of DNA Damage Dose-Response Kinetics after Ionizing Radiation Schemes Similar to CT Protocols. Radiation Research, 2015, 183, 701-707.	0.7	5
49	Variability in CT lung-nodule volumetry: Effects of dose reduction and reconstruction methods. Medical Physics, 2015, 42, 2679-2689.	1.6	32
50	Inter-Method Performance Study of Tumor Volumetry Assessment on Computed Tomography Test-Retest Data. Academic Radiology, 2015, 22, 1393-1408.	1.3	11
51	Determining the Variability of Lesion Size Measurements from CT Patient Data Sets Acquired under "No Change" Conditions. Translational Oncology, 2015, 8, 55-64.	1.7	26
52	Size-specific, scanner-independent organ dose estimates in contiguous axial and helical head CT examinations. Medical Physics, 2014, 41, 121909.	1.6	18
53	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.	1.6	13
54	ACR–STR Practice Parameter for the Performance and Reporting of Lung Cancer Screening Thoracic Computed Tomography (CT). Journal of Thoracic Imaging, 2014, 29, 310-316.	0.8	138

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55	A Novel Fast Helical 4D-CT Acquisition Technique to Generate Low-Noise Sorting Artifact–Free Images at User-Selected Breathing Phases. International Journal of Radiation Oncology Biology Physics, 2014, 89, 191-198.	0.4	53
56	Toward clinically usable CAD for lung cancer screening with computed tomography. European Radiology, 2014, 24, 2719-2728.	2.3	52
57	Success rates for computed tomography-guided musculoskeletal biopsies performed using a low-dose technique. Skeletal Radiology, 2014, 43, 1599-1603.	1.2	3
58	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.	1.3	39
59	Estimating lesion volume in low-dose chest CT: How low can we go?. Proceedings of SPIE, 2014, , .	0.8	1
60	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
61	Development and validation of a measurement–based source model for kilovoltage cone–beam CT Monte Carlo dosimetry simulations. Medical Physics, 2013, 40, 111907.	1.6	20
62	The feasibility of a regional $CTDI_{vol}$ to estimate organ dose from tube current modulated CT exams. Medical Physics, 2013, 40, 051903.	1.6	50
63	Varying kVp as a means of reducing CT breast dose to pediatric patients. Physics in Medicine and Biology, 2013, 58, 4455-4469.	1.6	6
64	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.	1.6	3
65	AAPM Medical Physics Practice Guideline 1.a: CT Protocol Management and Review Practice Guideline. Journal of Applied Clinical Medical Physics, 2013, 14, 3-12.	0.8	37
66	Automated tumor size assessment: Consistency of computer measurements with an expert panel.. Journal of Clinical Oncology, 2013, 31, 7566-7566.	0.8	2
67	Computer-aided lung cancer screening with CT: A clinically usable nodule detection and assessment system.. Journal of Clinical Oncology, 2013, 31, 7562-7562.	0.8	0
68	The relationship between organ dose and patient size in tube current modulated adult thoracic CT scans. Proceedings of SPIE, 2012, , .	0.8	0
69	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.	1.6	34
70	Peak Skin and Eye Lens Radiation Dose From Brain Perfusion CT Based on Monte Carlo Simulation. American Journal of Roentgenology, 2012, 198, 412-417.	1.0	32
71	Radiation Exposure from CT Scans: How to Close Our Knowledge Gaps, Monitor and Safeguard Exposure–Proceedings and Recommendations of the Radiation Dose Summit, Sponsored by NIBIB, February 24–25, 2011. Radiology, 2012, 265, 544-554.	3.6	88
72	Report 87. Journal of the ICRU, 2012, 12, NP-NP.	6.0	17

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73	Reproducibility of volume and densitometric measures of emphysema on repeat computed tomography with an interval of 1 week. European Radiology, 2012, 22, 287-294.	2.3	25
74	Emphysema lung lobe volume reduction: effects on the ipsilateral and contralateral lobes. European Radiology, 2012, 22, 1547-1555.	2.3	36
75	CT Dose Index and Patient Dose: They Are *Not* the Same Thing. Radiology, 2011, 259, 311-316.	3.6	377
76	Diagnostic Reference Levels From the ACR CT Accreditation Program. Journal of the American College of Radiology, 2011, 8, 795-803.	0.9	76
77	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.	1.6	1,659
78	Evaluation of 1D, 2D and 3D nodule size estimation by radiologists for spherical and non-spherical nodules through CT thoracic phantom imaging. , 2011, , .		4
79	The feasibility of patient size-corrected, scanner-independent organ dose estimates for abdominal CT exams. Medical Physics, 2011, 38, 820-829.	1.6	132
80	The accuracy of estimated organ doses from Monte Carlo CT simulations using cylindrical regions of interest within organs. , 2011, , .		0
81	Precision of dosimetry-related measurements obtained on current multidetector computed tomography scanners. Medical Physics, 2010, 37, 4102-4109.	1.6	16
82	Imaging biomarkers for patient selection and treatment planning in emphysema. Imaging in Medicine, 2010, 2, 565-573.	0.0	4
83	Estimated cumulative radiation dose from PET/CT in children with malignancies: a 5-year retrospective review. Pediatric Radiology, 2010, 40, 681-686.	1.1	172
84	Estimated cumulative radiation dose from PET/CT in children with malignancies: reply to Gelfand et al. Pediatric Radiology, 2010, 40, 1714-1715.	1.1	2
85	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.	1.6	125
86	Volumetric CT in Lung Cancer. Academic Radiology, 2010, 17, 107-115.	1.3	38
87	Reproducibility of Lung and Lobar Volume Measurements Using Computed Tomography. Academic Radiology, 2010, 17, 316-322.	1.3	43
88	Variability of surface and center position radiation dose in MDCT: Monte Carlo simulations using CTDI and anthropomorphic phantoms. Medical Physics, 2009, 36, 1025-1038.	1.6	44
89	Reproducibility of Coronary Artery Calcified Plaque with Cardiac 64-MDCT: The Multi-Ethnic Study of Atherosclerosis. American Journal of Roentgenology, 2009, 192, 613-617.	1.0	77
90	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.	1.6	83

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91	Dose to Radiosensitive Organs During Routine Chest CT: Effects of Tube Current Modulation. American Journal of Roentgenology, 2009, 193, 1340-1345.	1.0	77
92	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.	1.6	67
93	Quantitative Imaging to Assess Tumor Response to Therapy: Common Themes of Measurement, Truth Data, and Error Sources. Translational Oncology, 2009, 2, 198-210.	1.7	49
94	Assessment of Radiologist Performance in the Detection of Lung Nodules. Academic Radiology, 2009, 16, 28-38.	1.3	67
95	Computed Tomography Assessment of Response to Therapy: Tumor Volume Change Measurement, Truth Data, and Error. Translational Oncology, 2009, 2, 216-222.	1.7	35
96	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.	1.6	118
97	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.	1.6	22
98	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.	2.3	76
99	Automatic Segmentation of Lung Parenchyma in the Presence of Diseases Based on Curvature of Ribs. Academic Radiology, 2008, 15, 1173-1180.	1.3	58
100	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.	3.6	127
101	Dependence of CT attenuation values on scanner type using in vivo measurements. , 2008, , .		0
102	Automatic segmentation of lung parenchyma based on curvature of ribs using HRCT images in scleroderma studies. , 2008, , .		1
103	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.	3.0	10
104	High-Resolution CT Scan Findings in Patients With Symptomatic Scleroderma-Related Interstitial Lung Disease. Chest, 2008, 134, 358-367.	0.4	198
105	Differentiating solitary pulmonary nodules (SPNs) with 3D shape features. , 2007, , .		2
106	Forming a reference standard from LIDC data: impact of reader agreement on reported CAD performance. , 2007, , .		14
107	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
108	The Lung Image Database Consortium (LIDC): pulmonary nodule measurements, the variation, and the difference between different size metrics. , 2007, , .		5

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109	Computer-aided characterization of solitary pulmonary nodules (SPNs) using structural 3D, texture, and functional dynamic contrast features. , 2007, , .		0
110	The Lung Image Database Consortium (LIDC) Data Collection Process for Nodule Detection and Annotation. Academic Radiology, 2007, 14, 1464-1474.	1.3	191
111	The Effect of Lung Volume on Nodule Size on CT. Academic Radiology, 2007, 14, 476-485.	1.3	51
112	The Lung Image Database Consortium (LIDC). Academic Radiology, 2007, 14, 1455-1463.	1.3	50
113	The Lung Image Database Consortium (LIDC). Academic Radiology, 2007, 14, 1475-1485.	1.3	100
114	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.	1.3	91
115	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.	1.6	125
116	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.	1.6	95
117	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.	1.6	181
118	An Architecture for Computer-Aided Detection and Radiologic Measurement of Lung Nodules in Clinical Trials. Cancer Informatics, 2007, 4, 117693510700400.	0.9	5
119	Automated classification of lung bronchovascular anatomy in CT using AdaBoost. Medical Image Analysis, 2007, 11, 315-324.	7.0	76
120	CAD in clinical trials: Current role and architectural requirements. Computerized Medical Imaging and Graphics, 2007, 31, 332-337.	3.5	16
121	An architecture for computer-aided detection and radiologic measurement of lung nodules in clinical trials. Cancer Informatics, 2007, 4, 25-31.	0.9	4
122	Description and Implementation of a Quality Control Program in an Imaging-Based Clinical Trial. Academic Radiology, 2006, 13, 1431-1441.	1.3	56
123	Evaluation of Lung MDCT Nodule Annotation Across Radiologists and Methods. Academic Radiology, 2006, 13, 1254-1265.	1.3	76
124	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.	1.2	43
125	The influence of CT dose and reconstruction parameters on automated detection of small pulmonary nodules. , 2006, , .		3
126	Tradeoffs in noise, resolution, and dose with reconstruction filter selection in lung nodule detection in CT. , 2005, 5745, 695.		1

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127	Estimating surface radiation dose from multidetector CT: cylindrical phantoms, anthropomorphic phantoms, and Monte Carlo simulations. , 2005, , .		0
128	Database Design and Implementation for Quantitative Image Analysis Research. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 99-108.	3.6	28
129	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.	1.6	12
130	Coronary Calcium Measurements: Effect of CT Scanner Type and Calcium Measure on Rescan Reproducibilityâ€"MESA Study. Radiology, 2005, 236, 477-484.	3.6	264
131	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.	3.6	746
132	Measuring Coronary Calcium on CT Images Adjusted for Attenuation Differences. Radiology, 2005, 235, 403-414.	3.6	87
133	Computed Tomography in the Evaluation of Cystic Fibrosis Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1246-1252.	2.5	108
134	Solitary pulmonary nodule diagnosis on CT. Academic Radiology, 2005, 12, 496-501.	1.3	27
135	Computer Aided Characterization of the Solitary Pulmonary Nodule Using Volumetric and Contrast Enhancement Features1. Academic Radiology, 2005, 12, 1310-1319.	1.3	81
136	Computer-aided Diagnosis of the Solitary Pulmonary Nodule1. Academic Radiology, 2005, 12, 570-575.	1.3	35
137	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.	1.6	142
138	Computer-aided Lung Nodule Detection in CT. Academic Radiology, 2005, 12, 681-686.	1.3	82
139	Emphysema: Effect of Reconstruction Algorithm on CT Imaging Measures. Radiology, 2004, 232, 295-301.	3.6	169
140	Lung Image Database Consortium: Developing a Resource for the Medical Imaging Research Community. Radiology, 2004, 232, 739-748.	3.6	345
141	Selecting a new computed tomography scanner: things to consider. Journal of the American College of Radiology, 2004, 1, 69-70.	0.9	0
142	Radiation issues in computed tomography screening. Radiologic Clinics of North America, 2004, 42, 711-723.	0.9	1
143	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.	1.3	115
144	Assessment methodologies and statistical issues for computer-aided diagnosis of lung nodules in computed tomography. Academic Radiology, 2004, 11, 462-475.	1.3	76

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145	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.	1.6	138
146	Lung nodules and beyond: approaches, challenges and opportunities in thoracic CAD. International Congress Series, 2004, 1268, 896-901.	0.2	7
147	Computer-aided lung nodule diagnosis using a simple classifier. International Congress Series, 2004, 1268, 952-955.	0.2	4
148	Radiation issues in computed tomography screening. Seminars in Roentgenology, 2003, 38, 87-99.	0.2	15
149	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.	1.6	117
150	Lung Micronodules: Automated Method for Detection at Thin-Section CTâ€"Initial Experience. Radiology, 2003, 226, 256-262.	3.6	130
151	Medical Image Segmentation with Knowledge-guided Robust Active Contours. Radiographics, 2002, 22, 437-448.	1.4	37
152	AAPM/RSNA Physics Tutorial for Residents: Topics in CT. Radiographics, 2002, 22, 1541-1553.	1.4	532
153	A Pilot Study of All-<i>trans</i>-Retinoic Acid for the Treatment of Human Emphysema. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 718-723.	2.5	169
154	Lung. , 2002, , .		0
155	Patient-specific models for lung nodule detection and surveillance in CT images. IEEE Transactions on Medical Imaging, 2001, 20, 1242-1250.	5.4	158
156	Knowledge-Based Segmentation of Pediatric Kidneys in CT for Measurement of Parenchymal Volume. Journal of Computer Assisted Tomography, 2001, 25, 639-648.	0.5	17
157	<title>Patient-specific models for lung nodule detection and surveillance in CT images</title>. , 2001, , .		1
158	Problem-oriented Prefetching for an Integrated Clinical Imaging Workstation. Journal of the American Medical Informatics Association: JAMIA, 2001, 8, 242-253.	2.2	20
159	Monte-Carlo-based simulation tool to model the physics and geometry of electron beam computed tomography. , 2001, , .		0
160	<title>Contrast enhancement maps for lung lesions imaged on CT</title>. , 2000, 3978, 78.		0
161	Knowledge-based segmentation of thoracic computed tomography images for assessment of split lung function. Medical Physics, 2000, 27, 592-598.	1.6	61
162	Cardiac Electron-Beam CT in Children Undergoing Surgical Repair for Pulmonary Atresia. Radiology, 1999, 213, 502-512.	3.6	36

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163	A pattern classification approach to characterizing solitary pulmonary nodules imaged on high resolution CT: Preliminary results. Medical Physics, 1999, 26, 880-888.	1.6	164
164	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.	3.5	75
165	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.	1.6	5
166	Electron-beam CT: The effect of using a correction function on coronary artery calcium quantitation. Academic Radiology, 1999, 6, 40-48.	1.3	20
167	Radiation dose in Spiral CT: The relative effects of collimation and pitch. Medical Physics, 1999, 26, 409-414.	1.6	33
168	Automated Measurement of Single and Total Lung Volume from CT. Journal of Computer Assisted Tomography, 1999, 23, 632-640.	0.5	58
169	Airway hyperreactivity: assessment with helical thin-section CT.. Radiology, 1998, 208, 321-329.	3.6	107
170	<title>Object-oriented region-of-interest toolkit for workstations</title>. , 1998, 3335, 627.		6
171	<title>Extensible knowledge-based architecture for segmenting CT data</title>. , 1998, 3338, 564.		7
172	The evolution of an integrated timeline for oncology patient healthcare. Proceedings, 1998, , 165-9.	0.6	1
173	Method for segmenting chest CT image data using an anatomical model: preliminary results. IEEE Transactions on Medical Imaging, 1997, 16, 828-839.	5.4	221
174	Coronary artery calcium: Alternate methods for accurate and reproducible quantitation. Academic Radiology, 1997, 4, 666-673.	1.3	106
175	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.	0.5	68
176	<title>Tradeoffs in helical CT: the effects of collimation and pitch on dose, noise, and slice sensitivity profiles</title>. , 1996, , .		3
177	<title>Knowledge-based automated technique for measuring total lung volume from CT</title>. , 1996, , .		7
178	A unified timeline model and user interface for multimedia medical databases. Computerized Medical Imaging and Graphics, 1996, 20, 333-346.	3.5	18
179	Integrated multimedia timeline of medical images and data for thoracic oncology patients.. Radiographics, 1996, 16, 669-681.	1.4	23
180	Feature selection in the pattern classification problem of digital chest radiograph segmentation. IEEE Transactions on Medical Imaging, 1995, 14, 537-547.	5.4	106

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181	An automatic method for enhancing the display of different tissue densities in digital chest radiographs. Journal of Digital Imaging, 1993, 6, 95-104.	1.6	8
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