# Cynthia H Mccollough

### List of Publications by Citations

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12,316 107 254 53 h-index g-index citations papers 6.51 14,721 275 5.1 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
254	First performance evaluation of a dual-source CT (DSCT) system. European Radiology, <b>2006</b> , 16, 256-68	8	1118
253	Dual- and Multi-Energy CT: Principles, Technical Approaches, and Clinical Applications. <i>Radiology</i> , <b>2015</b> , 276, 637-53	20.5	739
252	CT dose reduction and dose management tools: overview of available options. <i>Radiographics</i> , <b>2006</b> , 26, 503-12	5.4	622
251	Strategies for reducing radiation dose in CT. Radiologic Clinics of North America, 2009, 47, 27-40	2.3	557
250	Dual-energy CT-based monochromatic imaging. <i>American Journal of Roentgenology</i> , <b>2012</b> , 199, S9-S15	5.4	397
249	Radiation exposure and pregnancy: when should we be concerned?. <i>Radiographics</i> , <b>2007</b> , 27, 909-17; discussion 917-8	5.4	365
248	Noninvasive differentiation of uric acid versus non-uric acid kidney stones using dual-energy CT. <i>Academic Radiology</i> , <b>2007</b> , 14, 1441-7	4.3	308
247	Performance evaluation of a multi-slice CT system. <i>Medical Physics</i> , <b>1999</b> , 26, 2223-30	4.4	289
246	Radiation dose reduction in computed tomography: techniques and future perspective. <i>Imaging in Medicine</i> , <b>2009</b> , 1, 65-84	1	235
245	Virtual monochromatic imaging in dual-source dual-energy CT: radiation dose and image quality. <i>Medical Physics</i> , <b>2011</b> , 38, 6371-9	4.4	233
244	Achieving routine submillisievert CT scanning: report from the summit on management of radiation dose in CT. <i>Radiology</i> , <b>2012</b> , 264, 567-80	20.5	205
243	Quantitative imaging of element composition and mass fraction using dual-energy CT: three-material decomposition. <i>Medical Physics</i> , <b>2009</b> , 36, 1602-9	4.4	204
242	Calculation of effective dose. <i>Medical Physics</i> , <b>2000</b> , 27, 828-37	4.4	200
241	Coronary artery calcium: a multi-institutional, multimanufacturer international standard for quantification at cardiac CT. <i>Radiology</i> , <b>2007</b> , 243, 527-38	20.5	198
240	Identification of intraarticular and periarticular uric acid crystals with dual-energy CT: initial evaluation. <i>Radiology</i> , <b>2011</b> , 261, 516-24	20.5	181
239	Automatic selection of tube potential for radiation dose reduction in CT: a general strategy. <i>Medical Physics</i> , <b>2010</b> , 37, 234-43	4.4	178
238	Dose performance of a 64-channel dual-source CT scanner. <i>Radiology</i> , <b>2007</b> , 243, 775-84	20.5	178

## (2015-2015)

237	Dual-energy CT for the diagnosis of gout: an accuracy and diagnostic yield study. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, 1072-7	2.4	168
236	Optimal tube potential for radiation dose reduction in pediatric CT: principles, clinical implementations, and pitfalls. <i>Radiographics</i> , <b>2011</b> , 31, 835-48	5.4	148
235	Evaluation of conventional imaging performance in a research whole-body CT system with a photon-counting detector array. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 1572-95	3.8	144
234	Relationship between noise, dose, and pitch in cardiac multi-detector row CT. <i>Radiographics</i> , <b>2006</b> , 26, 1785-94	5.4	141
233	Dual-source dual-energy CT with additional tin filtration: Dose and image quality evaluation in phantoms and in vivo. <i>American Journal of Roentgenology</i> , <b>2010</b> , 195, 1164-74	5.4	138
232	Human Imaging With Photon Counting-Based Computed Tomography at Clinical Dose Levels: Contrast-to-Noise Ratio and Cadaver Studies. <i>Investigative Radiology</i> , <b>2016</b> , 51, 421-9	10.1	133
231	Adaptive nonlocal means filtering based on local noise level for CT denoising. <i>Medical Physics</i> , <b>2014</b> , 41, 011908	4.4	132
230	Dual-source spiral CT with pitch up to 3.2 and 75 ms temporal resolution: image reconstruction and assessment of image quality. <i>Medical Physics</i> , <b>2009</b> , 36, 5641-53	4.4	132
229	Prospective blinded comparison of wireless capsule endoscopy and multiphase CT enterography in obscure gastrointestinal bleeding. <i>Radiology</i> , <b>2011</b> , 260, 744-51	20.5	128
228	In defense of body CT. American Journal of Roentgenology, <b>2009</b> , 193, 28-39	5.4	126
227	Image quality optimization and evaluation of linearly mixed images in dual-source, dual-energy CT. <i>Medical Physics</i> , <b>2009</b> , 36, 1019-24	4.4	126
226	Appropriate patient selection at abdominal dual-energy CT using 80 kV: relationship between patient size, image noise, and image quality. <i>Radiology</i> , <b>2010</b> , 257, 732-42	20.5	126
225	How effective is effective dose as a predictor of radiation risk?. <i>American Journal of Roentgenology</i> , <b>2010</b> , 194, 890-6	5.4	110
224	The phantom portion of the American College of Radiology (ACR) computed tomography (CT) accreditation program: practical tips, artifact examples, and pitfalls to avoid. <i>Medical Physics</i> , <b>2004</b> , 31, 2423-42	4.4	103
223	Assessment of renal hemodynamics and function in pigs with 64-section multidetector CT: comparison with electron-beam CT. <i>Radiology</i> , <b>2007</b> , 243, 405-12	20.5	102
222	Dual-energy dual-source CT with additional spectral filtration can improve the differentiation of non-uric acid renal stones: an ex vivo phantom study. <i>American Journal of Roentgenology</i> , <b>2011</b> , 196, 127	∕ <del>5</del> :487	100
221	Prediction of human observer performance in a 2-alternative forced choice low-contrast detection task using channelized Hotelling observer: impact of radiation dose and reconstruction algorithms. <i>Medical Physics</i> , <b>2013</b> , 40, 041908	4.4	98
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219	Methods for clinical evaluation of noise reduction techniques in abdominopelvic CT. <i>Radiographics</i> , <b>2014</b> , 34, 849-62	5.4	90
218	Degradation of CT Low-Contrast Spatial Resolution Due to the Use of Iterative Reconstruction and Reduced Dose Levels. <i>Radiology</i> , <b>2015</b> , 276, 499-506	20.5	86
217	Photon-counting Detector CT: System Design and Clinical Applications of an Emerging Technology. <i>Radiographics</i> , <b>2019</b> , 39, 729-743	5.4	83
216	Maximizing Iodine Contrast-to-Noise Ratios in Abdominal CT Imaging through Use of Energy Domain Noise Reduction and Virtual Monoenergetic Dual-Energy CT. <i>Radiology</i> , <b>2015</b> , 276, 562-70	20.5	79
215	Noise reduction in spectral CT: reducing dose and breaking the trade-off between image noise and energy bin selection. <i>Medical Physics</i> , <b>2011</b> , 38, 4946-57	4.4	78
214	Patient dose in cardiac computed tomography. <i>Herz</i> , <b>2003</b> , 28, 1-6	2.6	78
213	Development and validation of a practical lower-dose-simulation tool for optimizing computed tomography scan protocols. <i>Journal of Computer Assisted Tomography</i> , <b>2012</b> , 36, 477-87	2.2	75
212	Correlation between model observer and human observer performance in CT imaging when lesion location is uncertain. <i>Medical Physics</i> , <b>2013</b> , 40, 081908	4.4	66
211	150-th Spatial Resolution Using Photon-Counting Detector Computed Tomography Technology: Technical Performance and First Patient Images. <i>Investigative Radiology</i> , <b>2018</b> , 53, 655-662	10.1	63
210	Electronic noise in CT detectors: Impact on image noise and artifacts. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W626-32	5.4	63
209	Low-dose CT for the detection and classification of metastatic liver lesions: Results of the 2016 Low Dose CT Grand Challenge. <i>Medical Physics</i> , <b>2017</b> , 44, e339-e352	4.4	62
208	Anatomic modeling using 3D printing: quality assurance and optimization. <i>3D Printing in Medicine</i> , <b>2017</b> , 3, 6	5	61
207	The Changing Incidence and Presentation of Urinary Stones Over 3 Decades. <i>Mayo Clinic Proceedings</i> , <b>2018</b> , 93, 291-299	6.4	61
206	Dose-efficient ultrahigh-resolution scan mode using a photon counting detector computed tomography system. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 043504	2.6	61
205	State of the Art in Abdominal CT: The Limits of Iterative Reconstruction Algorithms. <i>Radiology</i> , <b>2019</b> , 293, 491-503	20.5	60
204	Spectral performance of a whole-body research photon counting detector CT: quantitative accuracy in derived image sets. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 7216-7232	3.8	58
203	Attenuation-based estimation of patient size for the purpose of size specific dose estimation in CT. Part I. Development and validation of methods using the CT image. <i>Medical Physics</i> , <b>2012</b> , 39, 6764-71	4.4	54
202	Spectral prior image constrained compressed sensing (spectral PICCS) for photon-counting computed tomography. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 6707-6732	3.8	53

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201	Part II. Implementation on abdomen and thorax phantoms using cross sectional CT images and scanned projection radiograph images. <i>Medical Physics</i> , <b>2012</b> , 39, 6772-8	1.4	53
200	Automatic selection of tube potential for radiation dose reduction in vascular and contrast-enhanced abdominopelvic CT. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W297-306	5.4	49
199	Applications of dual-energy CT in urologic imaging: an update. <i>Radiologic Clinics of North America</i> , <b>2012</b> , 50, 191-205, v	2.3	46
198	Effects of CT irradiation on implantable cardiac rhythm management devices. <i>Radiology</i> , <b>2007</b> , 243, 766-7	<b>84</b> .5	46
197	Size-specific Dose Estimates for Chest, Abdominal, and Pelvic CT: Effect of Intrapatient Variability in Water-equivalent Diameter. <i>Radiology</i> , <b>2015</b> , 276, 184-90	20.5	45
196	Technical Note: Measuring contrast- and noise-dependent spatial resolution of an iterative reconstruction method in CT using ensemble averaging. <i>Medical Physics</i> , <b>2015</b> , 42, 2261-7	1-4	45
195	Automatic exposure control in CT: are we done yet?. <i>Radiology</i> , <b>2005</b> , 237, 755-6	20.5	45
194	High-Resolution Chest Computed Tomography Imaging of the Lungs: Impact of 1024 Matrix Reconstruction and Photon-Counting Detector Computed Tomography. <i>Investigative Radiology</i> , 2019, 54, 129-137	10.1	44
193	Observer Performance in the Detection and Classification of Malignant Hepatic Nodules and Masses with CT Image-Space Denoising and Iterative Reconstruction. <i>Radiology</i> , <b>2015</b> , 276, 465-78	20.5	41
192	Measurement of half-value layer in x-ray CT: a comparison of two noninvasive techniques. <i>Medical Physics</i> , <b>2000</b> , 27, 1915-9	1.4	40
191	How Low Can We Go in Radiation Dose for the Data-Completion Scan on a Research Whole-Body Photon-Counting Computed Tomography System. <i>Journal of Computer Assisted Tomography</i> , <b>2016</b> , 40, 663-70	2.2	40
190	Noise performance of low-dose CT: comparison between an energy integrating detector and a photon counting detector using a whole-body research photon counting CT scanner. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 043503	2.6	39
189	Correlation between human and model observer performance for discrimination task in CT. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 3389-404	3.8	35
188	Noise reduction to decrease radiation dose and improve conspicuity of hepatic lesions at contrast-enhanced 80-kV hepatic CT using projection space denoising. <i>American Journal of Roentgenology</i> , <b>2012</b> , 198, 405-11	5.4	35
187	Evaluation of porcine myocardial microvascular permeability and fractional vascular volume using 64-slice helical computed tomography (CT). <i>Investigative Radiology</i> , <b>2007</b> , 42, 274-82	10.1	35
186	Renal perfusion and hemodynamics: accurate in vivo determination at CT with a 10-fold decrease in radiation dose and HYPR noise reduction. <i>Radiology</i> , <b>2009</b> , 253, 98-105	20.5	34
185	Reduction of Metal Artifacts and Improvement in Dose Efficiency Using Photon-Counting Detector Computed Tomography and Tin Filtration. <i>Investigative Radiology</i> , <b>2019</b> , 54, 204-211	10.1	33
184	Characterization of Urinary Stone Composition by Use of Third-Generation Dual-Source Dual-Energy CT With Increased Spectral Separation. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, 1203 <sup>5</sup>	574	30

183	Measurement of temporal resolution in dual source CT. Medical Physics, 2008, 35, 764-8	4.4	29
182	Material decomposition with prior knowledge aware iterative denoising (MD-PKAID). <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 195003	3.8	28
181	Comparison of a Photon-Counting-Detector CT with an Energy-Integrating-Detector CT for Temporal Bone Imaging: A Cadaveric Study. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 1733-1738	4.4	28
180	Observer Performance with Varying Radiation Dose and Reconstruction Methods for Detection of Hepatic Metastases. <i>Radiology</i> , <b>2018</b> , 289, 455-464	20.5	28
179	Dose Reduction for Sinus and Temporal Bone Imaging Using Photon-Counting Detector CT With an Additional Tin Filter. <i>Investigative Radiology</i> , <b>2020</b> , 55, 91-100	10.1	27
178	An effective noise reduction method for multi-energy CT images that exploit spatio-spectral features. <i>Medical Physics</i> , <b>2017</b> , 44, 1610-1623	4.4	26
177	Feasibility of multi-contrast imaging on dual-source photon counting detector (PCD) CT: An initial phantom study. <i>Medical Physics</i> , <b>2019</b> , 46, 4105-4115	4.4	26
176	Quantification of asymptomatic kidney stone burden by computed tomography for predicting future symptomatic stone events. <i>Urology</i> , <b>2015</b> , 85, 45-50	1.6	26
175	Technical Note: Improved CT number stability across patient size using dual-energy CT virtual monoenergetic imaging. <i>Medical Physics</i> , <b>2016</b> , 43, 513	4.4	26
174	Subjective and objective heterogeneity scores for differentiating small renal masses using contrast-enhanced CT. <i>Abdominal Radiology</i> , <b>2017</b> , 42, 1485-1492	3	25
173	Detection and Characterization of Renal Stones by Using Photon-Counting-based CT. <i>Radiology</i> , <b>2018</b> , 289, 436-442	20.5	25
172	Pilot study of detection, radiologist confidence and image quality with sinogram-affirmed iterative reconstruction at half-routine dose level. <i>Journal of Computer Assisted Tomography</i> , <b>2013</b> , 37, 203-11	2.2	25
171	Point/counterpoint.The use of bismuth breast shields for CT should be discouraged. <i>Medical Physics</i> , <b>2012</b> , 39, 2321-4	4.4	25
170	Low-dose CT image and projection dataset. <i>Medical Physics</i> , <b>2021</b> , 48, 902-911	4.4	25
169	Correlation between a 2D channelized Hotelling observer and human observers in a low-contrast detection task with multislice reading in CT. <i>Medical Physics</i> , <b>2017</b> , 44, 3990-3999	4.4	24
168	Estimation of Observer Performance for Reduced Radiation Dose Levels in CT: Eliminating Reduced Dose Levels That Are Too Low Is the First Step. <i>Academic Radiology</i> , <b>2017</b> , 24, 876-890	4.3	23
167	Differentiation of calcium oxalate monohydrate and calcium oxalate dihydrate stones using quantitative morphological information from micro-computerized and clinical computerized tomography. <i>Journal of Urology</i> , <b>2013</b> , 189, 2350-6	2.5	23
166	Estimating patient dose from CT exams that use automatic exposure control: Development and validation of methods to accurately estimate tube current values. <i>Medical Physics</i> , <b>2017</b> , 44, 4262-4275	4.4	22

165	Construction of realistic phantoms from patient images and a commercial three-dimensional printer. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 033501	2.6	22
164	Toward biphasic computed tomography (CT) enteric contrast: material classification of luminal bismuth and mural iodine in a small-bowel phantom using dual-energy CT. <i>Journal of Computer Assisted Tomography</i> , <b>2012</b> , 36, 554-9	2.2	22
163	Symptomatic and Radiographic Manifestations of Kidney Stone Recurrence and Their Prediction by Risk Factors: A Prospective Cohort Study. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 1251-1260	12.7	21
162	Spatial resolution improvement and dose reduction potential for inner ear CT imaging using a z-axis deconvolution technique. <i>Medical Physics</i> , <b>2013</b> , 40, 061904	4.4	21
161	A deep learning- and partial least square regression-based model observer for a low-contrast lesion detection task in CT. <i>Medical Physics</i> , <b>2019</b> , 46, 2052-2063	4.4	20
160	Low kV versus dual-energy virtual monoenergetic CT imaging for proven liver lesions: what are the advantages and trade-offs in conspicuity and image quality? A pilot study. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 1404-1412	3	20
159	Image-based Material Decomposition with a General Volume Constraint for Photon-Counting CT. <i>Proceedings of SPIE</i> , <b>2015</b> , 9412,	1.7	20
158	Advocating for use of the ALARA principle in the context of medical imaging fails to recognize that the risk is hypothetical and so serves to reinforce patientsRears of radiation. <i>Medical Physics</i> , <b>2017</b> , 44, 3-6	4.4	19
157	Dual-Energy CT for Quantification of Urinary Stone Composition in Mixed Stones: A Phantom Study. <i>American Journal of Roentgenology</i> , <b>2016</b> , 207, 321-9	5.4	19
156	CT Dental Artifact: Comparison of an Iterative Metal Artifact Reduction Technique with Weighted Filtered Back-Projection. <i>Acta Radiologica Open</i> , <b>2017</b> , 6, 2058460117743279	1.2	19
155	Individualized kV selection and tube current reduction in excretory phase computed tomography urography: potential for radiation dose reduction and the contribution of iterative reconstruction to image quality. <i>Journal of Computer Assisted Tomography</i> , <b>2013</b> , 37, 551-9	2.2	19
154	The Role of Dynamic (4D) CT in the Detection of Scapholunate Ligament Injury. <i>Journal of Wrist Surgery</i> , <b>2016</b> , 5, 306-310	1.1	19
153	Low-Dose CT for Craniosynostosis: Preserving Diagnostic Benefit with Substantial Radiation Dose Reduction. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 672-677	4.4	18
152	Technical Note: Development and validation of an open data format for CT projection data. <i>Medical Physics</i> , <b>2015</b> , 42, 6964-72	4.4	18
151	Reducing Iodine Contrast Volume in CT Angiography of the Abdominal Aorta Using Integrated Tube Potential Selection and Weight-Based Method Without Compromising Image Quality. <i>American Journal of Roentgenology</i> , <b>2017</b> , 208, 552-563	5.4	16
150	Radiation Dose Reduction in Pediatric Body CT Using Iterative Reconstruction and a Novel Image-Based Denoising Method. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, 1026-37	5.4	16
149	Utility of single-energy and dual-energy computed tomography in clot characterization: An in-vitro study. <i>Interventional Neuroradiology</i> , <b>2017</b> , 23, 279-284	1.9	15
148	Understanding, justifying, and optimizing radiation exposure for CT imaging in nephrourology. <i>Nature Reviews Urology</i> , <b>2019</b> , 16, 231-244	5.5	15

147	Dual-source photon counting detector CT with a tin filter: a phantom study on iodine quantification performance. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 115019	3.8	14
146	A comparison of relative proton stopping power measurements across patient size using dual- and single-energy CT. <i>Acta Oncolgica</i> , <b>2017</b> , 56, 1465-1471	3.2	14
145	First Clinical Photon-counting Detector CT System: Technical Evaluation Radiology, 2021, 212579	20.5	14
144	Reproducible imaging features of biologically aggressive gastrointestinal stromal tumors of the small bowel. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 1567-1574	3	14
143	Radiation Dose Reduction in Dual-Energy CT: Does It Affect the Accuracy of Urinary Stone Characterization?. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, W172-6	5.4	13
142	Evaluation of projection- and dual-energy-based methods for metal artifact reduction in CT using a phantom study. <i>Journal of Applied Clinical Medical Physics</i> , <b>2018</b> , 19, 252-260	2.3	13
141	Radiation dose efficiency of multi-energy photon-counting-detector CT for dual-contrast imaging. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 245003	3.8	13
140	Estimation of signal and noise for a whole-body research photon-counting CT system. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 023505	2.6	13
139	Synthesizing images from multiple kernels using a deep convolutional neural network. <i>Medical Physics</i> , <b>2020</b> , 47, 422-430	4.4	13
138	Reducing image noise in computed tomography (CT) colonography: effect of an integrated circuit CT detector. <i>Journal of Computer Assisted Tomography</i> , <b>2014</b> , 38, 398-403	2.2	12
137	Lesion insertion in the projection domain: Methods and initial results. <i>Medical Physics</i> , <b>2015</b> , 42, 7034-42	24.4	12
136	Kidney stone volume estimation from computerized tomography images using a model based method of correcting for the point spread function. <i>Journal of Urology</i> , <b>2012</b> , 188, 989-95	2.5	12
135	Lung nodule volume quantification and shape differentiation with an ultra-high resolution technique on a photon-counting detector computed tomography system. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 043502	2.6	12
134	Photon Counting CT: Clinical Applications and Future Developments. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 441-452	4.2	12
133	Quantitative Knee Arthrography in a Large Animal Model of Osteoarthritis Using Photon-Counting Detector CT. <i>Investigative Radiology</i> , <b>2020</b> , 55, 349-356	10.1	11
132	Characterization of Urinary Stone Composition by Use of Whole-body, Photon-counting Detector CT. <i>Academic Radiology</i> , <b>2018</b> , 25, 1270-1276	4.3	11
131	Targeted Imaging of Renal Fibrosis Using Antibody-Conjugated Gold Nanoparticles in Renal Artery Stenosis. <i>Investigative Radiology</i> , <b>2018</b> , 53, 623-628	10.1	11
130	Bismuth shields for CT dose reduction: do they help or hurt?. <i>Journal of the American College of Radiology</i> , <b>2011</b> , 8, 878-9	3.5	11

129	Impact of number of repeated scans on model observer performance for a low-contrast detection task in computed tomography. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 023504	2.6	11
128	Prospective Pilot Evaluation of Radiologists and Computer-aided Pulmonary Nodule Detection on Ultra-low-Dose CT With Tin Filtration. <i>Journal of Thoracic Imaging</i> , <b>2018</b> , 33, 396-401	5.6	11
127	Computed Tomography Technology-and Dose-in the 21st Century. <i>Health Physics</i> , <b>2019</b> , 116, 157-162	2.3	10
126	The influence of focal spot blooming on high-contrast spatial resolution in CT imaging. <i>Medical Physics</i> , <b>2015</b> , 42, 6011-20	4.4	10
125	A robust noise reduction technique for time resolved CT. <i>Medical Physics</i> , <b>2016</b> , 43, 347	4.4	10
124	Assessment of Low-Contrast Resolution for the American College of Radiology Computed Tomographic Accreditation Program: What Is the Impact of Iterative Reconstruction?. <i>Journal of Computer Assisted Tomography</i> , <b>2015</b> , 39, 619-23	2.2	10
123	Dual-source multienergy CT with triple or quadruple x-ray beams. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 033502	2.6	10
122	Quantitative Prediction of Stone Fragility From Routine Dual Energy CT: Ex vivo proof of Feasibility. <i>Academic Radiology</i> , <b>2016</b> , 23, 1545-1552	4.3	10
121	Selection of optimal tube potential settings for dual-energy CT virtual mono-energetic imaging of iodine in the abdomen. <i>Abdominal Radiology</i> , <b>2017</b> , 42, 2289-2296	3	9
120	Improving iodine contrast to noise ratio using virtual monoenergetic imaging and prior-knowledge-aware iterative denoising (mono-PKAID). <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 105	6 <del>0</del> 184	9
119	Intrarenal fat deposition does not interfere with the measurement of single-kidney perfusion in obese swine using multi-detector computed tomography. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 149-152	2.8	9
118	Use of CT dose notification and alert values in routine clinical practice. <i>Journal of the American College of Radiology</i> , <b>2014</b> , 11, 450-5	3.5	9
117	Experimental determination of section sensitivity profiles and image noise in electron beam computed tomography. <i>Medical Physics</i> , <b>1999</b> , 26, 287-95	4.4	9
116	Improved coronary calcification quantification using photon-counting-detector CT: an ex vivo study in cadaveric specimens. <i>European Radiology</i> , <b>2021</b> , 31, 6621-6630	8	9
115	Ability of Dual-Energy CT to Detect Silicone Gel Breast Implant Rupture and Nodal Silicone Spread. <i>American Journal of Roentgenology</i> , <b>2019</b> , 212, 933-942	5.4	9
114	Deep-learning-based direct inversion for material decomposition. <i>Medical Physics</i> , <b>2020</b> , 47, 6294-6309	4.4	8
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