

# Timothy P Szczykutowicz

## 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.

42  
papers

401  
citations

12  
h-index

18  
g-index

43  
ext. papers

495  
ext. citations

4.7  
avg, IF

4.18  
L-index

#	Paper	IF	Citations
42	Sub pixel resolution using spectral-spatial encoding in x-ray imaging. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258481	3.7	1
41	Applying a New CT Quality Metric in Radiology: How CT Pulmonary Angiography Repeat Rates Compare Across Institutions. <i>Journal of the American College of Radiology</i> , <b>2021</b> , 18, 962-968	3.5	1
40	Invited Commentary: Wading into Vendor-specific Solutions for Artifact Mitigation in Dual-Energy CT. <i>Radiographics</i> , <b>2021</b> , 41, E15-E17	5.4	0
39	CT Fluoroscopy for Image-Guided Procedures: Physician Radiation Dose During Full-Rotation and Partial-Angle CT Scanning. <i>Journal of Vascular and Interventional Radiology</i> , <b>2021</b> , 32, 439-446	2.4	1
38	Protocol Optimization Considerations for Implementing Deep Learning CT Reconstruction. <i>American Journal of Roentgenology</i> , <b>2021</b> , 216, 1668-1677	5.4	3
37	Effect of contrast agent administration on water equivalent diameter in CT. <i>Medical Physics</i> , <b>2021</b> , 48, 1117-1124	4.4	2
36	A Metric for Quantification of Iodine Contrast Enhancement (Q-ICE) in Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , <b>2021</b> , 45, 870-876	2.2	1
35	CT Practice Management <b>2020</b> , 167-182		
34	CT is still not a low-dose imaging modality. <i>Medical Physics</i> , <b>2020</b> , 47, 293-296	4.4	12
33	A Multiinstitutional Study on Wasted CT Scans for Over 60,000 Patients. <i>American Journal of Roentgenology</i> , <b>2020</b> , 215, 1123-1129	5.4	1
32	Reply to "CT Dose Management: Our Experience in Implementing a Program With an Education-Focused Approach". <i>American Journal of Roentgenology</i> , <b>2019</b> , 212, W112	5.4	
31	Invited Commentary on "Advanced CT Techniques for Decreasing Radiation Dose, Reducing Sedation Requirements, and Optimizing Image Quality in Children". <i>Radiographics</i> , <b>2019</b> , 39, 727-728	5.4	
30	Radiation Dose for Multiregion CT Protocols: Challenges and Limitations. <i>American Journal of Roentgenology</i> , <b>2019</b> , 213, 1100-1106	5.4	8
29	Ultra-Low Radiation Dose CT Fluoroscopy for Percutaneous Interventions: A Porcine Feasibility Study. <i>Radiology</i> , <b>2019</b> , 291, 241-249	20.5	4
28	Technical Note: Model-based magnification/minification correction of patient size surrogates extracted from CT localizers. <i>Medical Physics</i> , <b>2019</b> , 46, 165-172	4.4	5
27	Objective Evaluation of CT Time Efficiency in Acute Stroke Response. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, 876-880	3.5	3
26	A General Framework for Monitoring Image Acquisition Workflow in the Radiology Environment: Timeliness for Acute Stroke CT Imaging. <i>Journal of Digital Imaging</i> , <b>2018</b> , 31, 201-209	5.3	2

25	The Current State of CT Dose Management Across Radiology: Well Intentioned but Not Universally Well Executed. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 405-408	5.4	2
24	Evaluation of AAPM Reports 204 and 220: Estimation of effective diameter, water-equivalent diameter, and ellipticity ratios for chest, abdomen, pelvis, and head CT scans. <i>Journal of Applied Clinical Medical Physics</i> , <b>2018</b> , 19, 228-238	2.3	25
23	Hallway Conversations in Physics. <i>American Journal of Roentgenology</i> , <b>2017</b> , 208, W193-W194	5.4	3
22	Modified ideal observer model (MIOM) for high-contrast and high-spatial resolution CT imaging tasks. <i>Medical Physics</i> , <b>2017</b> , 44, 4496-4505	4.4	5
21	A method to extract image noise level from patient images in CT. <i>Medical Physics</i> , <b>2017</b> , 44, 2173-2184	4.4	16
20	Variation in CT Number and Image Noise Uniformity According to Patient Positioning in MDCT. <i>American Journal of Roentgenology</i> , <b>2017</b> , 208, 1064-1072	5.4	28
19	Tracking Patterns of Nonadherence to Prescribed CT Protocol Parameters. <i>Journal of the American College of Radiology</i> , <b>2017</b> , 14, 224-230	3.5	7
18	Flat-Panel CT for Cochlear Implant Electrode Imaging: Comparison to Multi-Detector CT. <i>Otology and Neurotology</i> , <b>2016</b> , 37, 1646-1653	2.6	14
17	Two-dimensional dynamic fluid bowtie attenuators. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 013502	2.6	5
16	Hi-Res scan mode in clinical MDCT systems: Experimental assessment of spatial resolution performance. <i>Medical Physics</i> , <b>2016</b> , 43, 2399	4.4	17
15	Improvement in CT image resolution due to the use of focal spot deflection and increased sampling. <i>Journal of Applied Clinical Medical Physics</i> , <b>2016</b> , 17, 452-466	2.3	7
14	Technical Note: Confirming the prescribed angle of CT localizer radiographs and c-arm projection acquisitions. <i>Medical Physics</i> , <b>2016</b> , 43, 865-9	4.4	0
13	A Wiki-Based Solution to Managing Your Institution's Imaging Protocols. <i>Journal of the American College of Radiology</i> , <b>2016</b> , 13, 822-4	3.5	7
12	On the same page--physicist and radiologist perspectives on protocol management and review. <i>Journal of the American College of Radiology</i> , <b>2015</b> , 12, 808-14	3.5	9
11	The correct selection of pitch for optimal CT scanning: avoiding common misconceptions. <i>Journal of the American College of Radiology</i> , <b>2015</b> , 12, 423-4	3.5	8
10	Creation of an atlas of filter positions for fluence field modulated CT. <i>Medical Physics</i> , <b>2015</b> , 42, 1779-86	4.4	3
9	Compliance with AAPM Practice Guideline 1.a: CT Protocol Management and Review - from the perspective of a university hospital. <i>Journal of Applied Clinical Medical Physics</i> , <b>2015</b> , 16, 5023	2.3	13
8	CT protocol management: simplifying the process by using a master protocol concept. <i>Journal of Applied Clinical Medical Physics</i> , <b>2015</b> , 16, 228-243	2.3	16

7	Realization of fluence field modulated CT on a clinical TomoTherapy megavoltage CT system. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 7245-57	3.8	10
6	A Wiki Based CT Protocol Management System. <i>Radiology Management</i> , <b>2015</b> , 37, 25-9; quiz 30-1		2
5	Volume of interest CT implemented with a dynamic bowtie filter <b>2013</b> ,		4
4	Design of a digital beam attenuation system for computed tomography. Part II. Performance study and initial results. <i>Medical Physics</i> , <b>2013</b> , 40, 021906	4.4	30
3	Design of a digital beam attenuation system for computed tomography: part I. System design and simulation framework. <i>Medical Physics</i> , <b>2013</b> , 40, 021905	4.4	42
2	Dual energy CT using slow kVp switching acquisition and prior image constrained compressed sensing. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 6411-29	3.8	70
1	Prior Image Constrained Compressed Sensing (PICCS) and Applications in X-ray Computed Tomography. <i>Current Medical Imaging</i> , <b>2010</b> , 6, 119-134	1.2	13