

# Zhicong Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11534367/publications.pdf>

Version: 2024-02-01

23  
papers

1,078  
citations

686830

13  
h-index

642321

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-dose CT image and projection dataset. <i>Medical Physics</i> , 2021, 48, 902-911.	1.6	89
2	Overcoming calcium blooming and improving the quantification accuracy of percent area luminal stenosis by material decomposition of multi-energy computed tomography datasets. <i>Journal of Medical Imaging</i> , 2020, 7, 053501.	0.8	5
3	Targeted Imaging of Renal Fibrosis Using Antibody-Conjugated Gold Nanoparticles in Renal Artery Stenosis. <i>Investigative Radiology</i> , 2018, 53, 623-628.	3.5	15
4	Spectral performance of a whole-body research photon counting detector CT: quantitative accuracy in derived image sets. <i>Physics in Medicine and Biology</i> , 2017, 62, 7216-7232.	1.6	90
5	Estimation of signal and noise for a whole-body research photon-counting CT system. <i>Journal of Medical Imaging</i> , 2017, 4, 023505.	0.8	14
6	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> , 2016, 40, 663-670.	0.5	47
7	Estimation of signal and noise for a whole-body photon counting research CT system. <i>Proceedings of SPIE</i> , 2016, 9783, .	0.8	4
8	Dose-efficient ultrahigh-resolution scan mode using a photon counting detector computed tomography system. <i>Journal of Medical Imaging</i> , 2016, 3, 043504.	0.8	105
9	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> , 2016, 3, 043503.	0.8	74
10	Spectral prior image constrained compressed sensing (spectral PICCS) for photon-counting computed tomography. <i>Physics in Medicine and Biology</i> , 2016, 61, 6707-6732.	1.6	75
11	Human Imaging With Photon Counting-Based Computed Tomography at Clinical Dose Levels. <i>Investigative Radiology</i> , 2016, 51, 421-429.	3.5	205
12	Low-dose performance of a whole-body research photon-counting CT scanner. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
13	Extended ellipse-line-ellipse trajectory for long-object cone-beam imaging with a mounted C-arm system. <i>Physics in Medicine and Biology</i> , 2016, 61, 1829-1851.	1.6	8
14	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> , 2016, 61, 1572-1595.	1.6	185
15	Technical Note: Development and validation of an open data format for CT projection data. <i>Medical Physics</i> , 2015, 42, 6964-6972.	1.6	25
16	Segmented slant hole collimator for stationary cardiac SPECT: Monte Carlo simulations. <i>Medical Physics</i> , 2015, 42, 5426-5434.	1.6	6
17	Lesion insertion in the projection domain: Methods and initial results. <i>Medical Physics</i> , 2015, 42, 7034-7042.	1.6	18
18	Image-based material decomposition with a general volume constraint for photon-counting CT. <i>Proceedings of SPIE</i> , 2015, 9412, .	0.8	24

#	ARTICLE	IF	CITATIONS
19	Lesion insertion in projection domain for computed tomography image quality assessment. Proceedings of SPIE, 2015, 9412, .	0.8	7
20	Geometric Calibration and Image Reconstruction for a Segmented Slant-Hole Stationary Cardiac SPECT System. Journal of Nuclear Medicine Technology, 2015, 43, 103-112.	0.4	2
21	Axially Extended-Volume C-Arm CT Using a Reverse Helical Trajectory in the Interventional Room. IEEE Transactions on Medical Imaging, 2015, 34, 203-215.	5.4	10
22	Simulation tools for two-dimensional experiments in x-ray computed tomography using the FORBILD head phantom. Physics in Medicine and Biology, 2012, 57, N237-N252.	1.6	58
23	Line plus arc source trajectories and their R-line coverage for long-object cone-beam imaging with a C-arm system. Physics in Medicine and Biology, 2011, 56, 3447-3471.	1.6	9