

Kyle J Myers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1146307/publications.pdf>

Version: 2024-02-01

44
papers

2,112
citations

346980

22
h-index

286692

43
g-index

47
all docs

47
docs citations

47
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	FDA fosters innovative approaches in research, resources and collaboration. Nature Machine Intelligence, 2022, 4, 97-98.	8.3	2
2	Objective Task-Based Evaluation of Artificial Intelligence-Based Medical Imaging Methods. PET Clinics, 2021, 16, 493-511.	1.5	25
3	Computational reader design and statistical performance evaluation of an in-silico imaging clinical trial comparing digital breast tomosynthesis with full-field digital mammography. Journal of Medical Imaging, 2020, 7, 1.	0.8	8
4	Performance evaluation of computed tomography systems: Summary of AAPM Task Group 233. Medical Physics, 2019, 46, e735-e756.	1.6	148
5	A data-efficient method for local noise power spectrum (NPS) estimation in FDK-reconstructed 3D cone-beam CT. Medical Physics, 2019, 46, 1634-1647.	1.6	3
6	Discrimination of Pulmonary Nodule Volume Change for Low- and High-contrast Tasks in a Phantom CT Study with Low-dose Protocols. Academic Radiology, 2019, 26, 937-948.	1.3	5
7	Impact of prevalence and case distribution in lab-based diagnostic imaging studies. Journal of Medical Imaging, 2019, 6, 1.	0.8	8
8	Classification images for localization performance in ramp-spectrum noise. Medical Physics, 2018, 45, 1970-1984.	1.6	10
9	Evaluation of Digital Breast Tomosynthesis as Replacement of Full-Field Digital Mammography Using an In Silico Imaging Trial. JAMA Network Open, 2018, 1, e185474.	2.8	121
10	Physiological random processes in precision cancer therapy. PLoS ONE, 2018, 13, e0199823.	1.1	12
11	Optimization of digital breast tomosynthesis (DBT) acquisition parameters for human observers: effect of reconstruction algorithms. Physics in Medicine and Biology, 2017, 62, 2598-2611.	1.6	21
12	Impact of different study populations on reader behavior and performance metrics: initial results. Proceedings of SPIE, 2017, 10136, .	0.8	2
13	Estimating local noise power spectrum from a few FBP-reconstructed CT scans. Medical Physics, 2016, 43, 568-582.	1.6	11
14	Impact of Reconstruction Algorithms and Gender-Associated Anatomy on Coronary Calcium Scoring with CT. Academic Radiology, 2016, 23, 1470-1479.	1.3	8
15	Radiance and photon noise: imaging in geometrical optics, physical optics, quantum optics and radiology. Optical Engineering, 2016, 55, 013102.	0.5	5
16	Comparison of Channel Methods and Observer Models for the Task-Based Assessment of Multi-Projection Imaging in the Presence of Structured Anatomical Noise. IEEE Transactions on Medical Imaging, 2016, 35, 1431-1442.	5.4	16
17	Statistical analysis of lung nodule volume measurements with CT in a large-scale phantom study. Medical Physics, 2015, 42, 3932-3947.	1.6	27
18	Quantitative imaging biomarkers: A review of statistical methods for computer algorithm comparisons. Statistical Methods in Medical Research, 2015, 24, 68-106.	0.7	137

#	ARTICLE	IF	CITATIONS
19	Evaluating the sensitivity of the optimization of acquisition geometry to the choice of reconstruction algorithm in digital breast tomosynthesis through a simulation study. <i>Physics in Medicine and Biology</i> , 2015, 60, 1259-1288.	1.6	41
20	Radiance and photon noise: imaging in geometrical optics, physical optics, quantum optics, and radiology. , 2014, 9193, .		8
21	Minimum Detectable Change in Lung Nodule Volume in a Phantom CT Study. <i>Academic Radiology</i> , 2013, 20, 1364-1370.	1.3	17
22	Benefit of Overlapping Reconstruction for Improving the Quantitative Assessment of CT Lung Nodule Volume. <i>Academic Radiology</i> , 2013, 20, 173-180.	1.3	29
23	CT image assessment by low contrast signal detectability evaluation with unknown signal location. <i>Medical Physics</i> , 2013, 40, 111908.	1.6	26
24	The Importance of ROC Data. <i>Academic Radiology</i> , 2011, 18, 257-258.	1.3	10
25	An anthropomorphic phantom for quantitative evaluation of breast MRI. <i>Medical Physics</i> , 2011, 38, 743-753.	1.6	35
26	Editorial. <i>Medical Image Analysis</i> , 2011, 15, 601-602.	7.0	0
27	Part 2: Pre-Clinical Assessment of Medical Displays for Regulatory Evaluation. <i>Information Display</i> , 2011, 27, 28-31.	0.1	0
28	Partial Least Squares: A Method to Estimate Efficient Channels for the Ideal Observers. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1050-1058.	5.4	35
29	Information-Theoretic Approach for Analyzing Bias and Variance in Lung Nodule Size Estimation With CT: A Phantom Study. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1795-1807.	5.4	32
30	A statistical, task-based evaluation method for three-dimensional x-ray breast imaging systems using variable-background phantoms. <i>Medical Physics</i> , 2010, 37, 6253-6270.	1.6	56
31	A resource for the assessment of lung nodule size estimation methods: database of thoracic CT scans of an anthropomorphic phantom. <i>Optics Express</i> , 2010, 18, 15244.	1.7	56
32	Singular-value decomposition of a tomosynthesis system. <i>Optics Express</i> , 2010, 18, 20699.	1.7	4
33	Noncalcified Lung Nodules: Volumetric Assessment with Thoracic CT. <i>Radiology</i> , 2009, 251, 26-37.	3.6	157
34	Automated Quantitative Assessment of HER-2/neu Immunohistochemical Expression in Breast Cancer. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 916-925.	5.4	95
35	Investigation of Reading Mode and Relative Sensitivity as Factors That Influence Reader Performance When Using Computer-Aided Detection Software. <i>Academic Radiology</i> , 2009, 16, 1095-1107.	1.3	7
36	Assessment of display temporal response using a computational observer. <i>Journal of the Society for Information Display</i> , 2008, 16, 21.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Image Browsing in Slow Medical Liquid Crystal Displays. <i>Academic Radiology</i> , 2008, 15, 370-382.	1.3	21
38	Singular value description of a digital radiographic detector: Theory and measurements. <i>Medical Physics</i> , 2008, 35, 4744-4756.	1.6	13
39	Multireader multisequence variance analysis for binary data. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, B70.	0.8	42
40	Toward objective and quantitative evaluation of imaging systems using images of phantoms. <i>Medical Physics</i> , 2005, 33, 83-95.	1.6	39
41	An energy- and depth-dependent model for x-ray imaging. <i>Medical Physics</i> , 2004, 31, 3132-3149.	1.6	23
42	Lubberts effect in columnar phosphors. <i>Medical Physics</i> , 2004, 31, 3122-3131.	1.6	55
43	Signal detectability in digital radiography: Spatial domain figures of merit. <i>Medical Physics</i> , 2003, 30, 2180-2193.	1.6	38
44	Toward consensus on quantitative assessment of medical imaging systems. <i>Medical Physics</i> , 1995, 22, 1057-1061.	1.6	99