

Alejandro RodrÃ-iguez-Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,400
citations

516710

16
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1126
citing authors

#	ARTICLE	IF	CITATIONS
1	Using deep learning to assist readers during the arbitration process: a lesion-based retrospective evaluation of breast cancer screening performance. <i>European Radiology</i> , 2022, 32, 842-852.	4.5	8
2	Interval Cancer Detection Using a Neural Network and Breast Density in Women with Negative Screening Mammograms. <i>Radiology</i> , 2022, 303, 269-275.	7.3	26
3	Stand-Alone Use of Artificial Intelligence for Digital Mammography and Digital Breast Tomosynthesis Screening: A Retrospective Evaluation. <i>Radiology</i> , 2022, 302, 535-542.	7.3	35
4	An Artificial Intelligence-based Mammography Screening Protocol for Breast Cancer: Outcome and Radiologist Workload. <i>Radiology</i> , 2022, 304, 41-49.	7.3	43
5	Patient-derived heterogeneous breast phantoms for advanced dosimetry in mammography and tomosynthesis. <i>Medical Physics</i> , 2022, 49, 5423-5438.	3.0	15
6	A Novel Deep Learning Based Computer-Aided Diagnosis System Improves the Accuracy and Efficiency of Radiologists in Reading Biparametric Magnetic Resonance Images of the Prostate. <i>Investigative Radiology</i> , 2021, 56, 605-613.	6.2	49
7	Impact of artificial intelligence support on accuracy and reading time in breast tomosynthesis image interpretation: a multi-reader multi-case study. <i>European Radiology</i> , 2021, 31, 8682-8691.	4.5	37
8	AI-based Strategies to Reduce Workload in Breast Cancer Screening with Mammography and Tomosynthesis: A Retrospective Evaluation. <i>Radiology</i> , 2021, 300, 57-65.	7.3	81
9	Impact of Artificial Intelligence Decision Support Using Deep Learning on Breast Cancer Screening Interpretation with Single-View Wide-Angle Digital Breast Tomosynthesis. <i>Radiology</i> , 2021, 300, 529-536.	7.3	27
10	Can artificial intelligence reduce the interval cancer rate in mammography screening?. <i>European Radiology</i> , 2021, 31, 5940-5947.	4.5	44
11	Iodine quantification in limited angle tomography. <i>Medical Physics</i> , 2020, 47, 4906-4916.	3.0	0
12	Artificial intelligence for breast cancer detection in mammography: experience of use of the ScreenPoint Medical Transpara system in 310 Japanese women. <i>Breast Cancer</i> , 2020, 27, 642-651.	2.9	38
13	Going from double to single reading for screening exams labeled as likely normal by AI: what is the impact?. , 2020, , .		14
14	Can we reduce the workload of mammographic screening by automatic identification of normal exams with artificial intelligence? A feasibility study. <i>European Radiology</i> , 2019, 29, 4825-4832.	4.5	129
15	Stand-Alone Artificial Intelligence for Breast Cancer Detection in Mammography: Comparison With 101 Radiologists. <i>Journal of the National Cancer Institute</i> , 2019, 111, 916-922.	6.3	372
16	Detection of Breast Cancer with Mammography: Effect of an Artificial Intelligence Support System. <i>Radiology</i> , 2019, 290, 305-314.	7.3	347
17	Monte Carlo study on optimal breast voxel resolution for dosimetry estimates in digital breast tomosynthesis. <i>Physics in Medicine and Biology</i> , 2019, 64, 015003.	3.0	6
18	New reconstruction algorithm for digital breast tomosynthesis: better image quality for humans and computers. <i>Acta Radiologica</i> , 2018, 59, 1051-1059.	1.1	26

#	ARTICLE	IF	CITATIONS
19	One-view digital breast tomosynthesis as a stand-alone modality for breast cancer detection: do we need more?. European Radiology, 2018, 28, 1938-1948.	4.5	23
20	Comparison of breast cancer detection and depiction between planar and rotating synthetic mammography generated from breast tomosynthesis. European Journal of Radiology, 2018, 108, 78-83.	2.6	3
21	How does wide-angle breast tomosynthesis depict calcifications in comparison to digital mammography? A retrospective observer study. , 2018, , .		2
22	Improvements of an objective model of compressed breasts undergoing mammography: Generation and characterization of breast shapes. Medical Physics, 2017, 44, 2161-2172.	3.0	8
23	Automated Breast Density Computation in Digital Mammography and Digital Breast Tomosynthesis. Academic Radiology, 2017, 24, 802-810.	2.5	5
24	Compressed Sensing for Breast MRI: Resolving the Trade-Off Between Spatial and Temporal Resolution. Investigative Radiology, 2017, 52, 574-582.	6.2	42
25	The compressed breast during mammography and breast tomosynthesis: <i>in vivo</i> shape characterization and modeling. Physics in Medicine and Biology, 2017, 62, 6920-6937.	3.0	20