Albert Gubern-MÃ©rida

List of Publications by Year
in descending order

36 papers	2,543 citations	304602 22 h-index	395590 33 g-index
36 all docs	36 docs citations	36 times ranked	3141 citing authors

#	Article	IF	Citations
1	Large scale deep learning for computer aided detection of mammographic lesions. Medical Image Analysis, 2017, 35, 303-312.	7.0	728
2	Stand-Alone Artificial Intelligence for Breast Cancer Detection in Mammography: Comparison With 101 Radiologists. Journal of the National Cancer Institute, 2019, 111, 916-922.	3.0	372
3	Using deep learning to segment breast and fibroglandular tissue in MRI volumes. Medical Physics, 2017, 44, 533-546.	1.6	173
4	Can we reduce the workload of mammographic screening by automatic identification of normal exams with artificial intelligence? A feasibility study. European Radiology, 2019, 29, 4825-4832.	2.3	129
5	Volumetric Breast Density Estimation from Full-Field Digital Mammograms: A Validation Study. PLoS ONE, 2014, 9, e85952.	1.1	111
6	Automated localization of breast cancer in DCE-MRI. Medical Image Analysis, 2015, 20, 265-274.	7.0	108
7	Breast Segmentation and Density Estimation in Breast MRI: A Fully Automatic Framework. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 349-357.	3.9	107
8	Artificial Intelligenceâ€“Based Classification of Breast Lesions Imaged With a Multiparametric Breast MRI Protocol With Ultrafast DCE-MRI, T2, and DWI. Investigative Radiology, 2019, 54, 325-332.	3.5	90
9	AI-based Strategies to Reduce Workload in Breast Cancer Screening with Mammography and Tomosynthesis: A Retrospective Evaluation. Radiology, 2021, 300, 57-65.	3.6	81
10	Time to enhancement derived from ultrafast breast MRI as a novel parameter to discriminate benign from malignant breast lesions. European Journal of Radiology, 2017, 89, 90-96.	1.2	66
11	Multireader Study on the Diagnostic Accuracy of Ultrafast Breast Magnetic Resonance Imaging for Breast Cancer Screening. Investigative Radiology, 2018, 53, 579-586.	3.5	60
12	Influence of Risk Category and Screening Round on the Performance of an MR Imaging and Mammography Screening Program in Carriers of the BRCA Mutation and Other Women at Increased Risk. Radiology, 2018, 286, 443-451.	3.6	48
13	Fully automated detection of breast cancer in screening MRI using convolutional neural networks. Journal of Medical Imaging, 2018, 5, 1.	0.8	43
14	The added value of mammography in different age-groups of women with and without BRCA mutation screened with breast MRI. Breast Cancer Research, 2018, 20, 84.	2.2	40
15	Impact of artificial intelligence support on accuracy and reading time in breast tomosynthesis image interpretation: a multi-reader multi-case study. European Radiology, 2021, 31, 8682-8691.	2.3	37
16	Stand-Alone Use of Artificial Intelligence for Digital Mammography and Digital Breast Tomosynthesis Screening: A Retrospective Evaluation. Radiology, 2022, 302, 535-542.	3.6	35
17	Computerâ€aided detection of breast cancers using Haarâ€like features in automated 3D breast ultrasound. Medical Physics, 2015, 42, 1498-1504.	1.6	32
18	Segmentation of the Pectoral Muscle in Breast MRI Using Atlas-Based Approaches. Lecture Notes in Computer Science, 2012, 15, 371-378.	1.0	31

#	Article	IF	Citations
19	A computer-aided diagnosis system for breast DCE-MRI at high spatiotemporal resolution. Medical Physics, 2015, 43, 84-94.	1.6	27
20	New reconstruction algorithm for digital breast tomosynthesis: better image quality for humans and computers. Acta Radiologica, 2018, 59, 1051-1059.	0.5	26
21	Automated detection of breast cancer in false-negative screening MRI studies from women at increased risk. European Journal of Radiology, 2016, 85, 472-479.	1.2	23
22	One-view digital breast tomosynthesis as a stand-alone modality for breast cancer detection: do we need more?. European Radiology, 2018, 28, 1938-1948.	2.3	23
23	Amount of fibroglandular tissue FGT and background parenchymal enhancement BPE in relation to breast cancer risk and false positives in a breast MRI screening program. European Radiology, 2019, 29, 4678-4690.	2.3	23
24	Breast MRI and X-ray mammography registration using gradient values. Medical Image Analysis, 2019, 54, 76-87.	7.0	20
25	Lesion Segmentation in Automated 3D Breast Ultrasound: Volumetric Analysis. Ultrasonic Imaging, 2018, 40, 97-112.	1.4	17
26	Improving computer-aided detection assistance in breast cancer screening by removal of obviously false-positive findings. Medical Physics, 2017, 44, 1390-1401.	1.6	15
27	The correlation of background parenchymal enhancement in the contralateral breast with patient and tumor characteristics of MRI-screen detected breast cancers. PLoS ONE, 2018, 13, e0191399.	1.1	14
28	Automated quality assessment in three-dimensional breast ultrasound images. Journal of Medical Imaging, 2016, 3, 027002.	0.8	12
29	Segmentation of malignant lesions in 3D breast ultrasound using a depthâ€dependent model. Medical Physics, 2016, 43, 4074-4084.	1.6	12
30	Reducing false positives of microcalcification detection systems by removal of breast arterial calcifications. Medical Physics, 2016, 43, 1676-1687.	1.6	10
31	Automated Volumetric Mammographic Breast Density Measurements May Underestimate Percent Breast Density for High-density Breasts. Academic Radiology, 2017, 24, 1561-1569.	1.3	9
32	Local breast density assessment using reacquired mammographic images. European Journal of Radiology, 2017, 93, 121-127.	1.2	7
33	Breast segmentation in MRI: quantitative evaluation of three methods. , 2013, , .		6
34	Optimization of volumetric breast density estimation in digital mammograms. Physics in Medicine and Biology, 2017, 62, 3779-3797.	1.6	6
35	A fully automated system for quantification of background parenchymal enhancement in breast DCE-MRI. , 2016, , .		2
36	A deep learning method for volumetric breast density estimation from processed full field digital mammograms. , 2019, , .		0