

Albert Gubern-MÃ©rida

List of Publications by Year in descending order

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36
papers

2,543
citations

304602

22
h-index

395590

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36
docs citations

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times ranked

3141
citing authors

#	ARTICLE	IF	CITATIONS
1	Stand-Alone Use of Artificial Intelligence for Digital Mammography and Digital Breast Tomosynthesis Screening: A Retrospective Evaluation. <i>Radiology</i> , 2022, 302, 535-542.	3.6	35
2	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.	2.3	37
3	AI-based Strategies to Reduce Workload in Breast Cancer Screening with Mammography and Tomosynthesis: A Retrospective Evaluation. <i>Radiology</i> , 2021, 300, 57-65.	3.6	81
4	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.	2.3	129
5	Breast MRI and X-ray mammography registration using gradient values. <i>Medical Image Analysis</i> , 2019, 54, 76-87.	7.0	20
6	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.	3.0	372
7	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. <i>European Radiology</i> , 2019, 29, 4678-4690.	2.3	23
8	Artificial Intelligence-Based Classification of Breast Lesions Imaged With a Multiparametric Breast MRI Protocol With Ultrafast DCE-MRI, T2, and DWI. <i>Investigative Radiology</i> , 2019, 54, 325-332.	3.5	90
9	A deep learning method for volumetric breast density estimation from processed full field digital mammograms. , 2019, , .		0
10	New reconstruction algorithm for digital breast tomosynthesis: better image quality for humans and computers. <i>Acta Radiologica</i> , 2018, 59, 1051-1059.	0.5	26
11	One-view digital breast tomosynthesis as a stand-alone modality for breast cancer detection: do we need more?. <i>European Radiology</i> , 2018, 28, 1938-1948.	2.3	23
12	Influence of Risk Category and Screening Round on the Performance of an MR Imaging and Mammography Screening Program in Carriers of the <i>BRCA</i> Mutation and Other Women at Increased Risk. <i>Radiology</i> , 2018, 286, 443-451.	3.6	48
13	Lesion Segmentation in Automated 3D Breast Ultrasound: Volumetric Analysis. <i>Ultrasonic Imaging</i> , 2018, 40, 97-112.	1.4	17
14	Multireader Study on the Diagnostic Accuracy of Ultrafast Breast Magnetic Resonance Imaging for Breast Cancer Screening. <i>Investigative Radiology</i> , 2018, 53, 579-586.	3.5	60
15	The added value of mammography in different age-groups of women with and without BRCA mutation screened with breast MRI. <i>Breast Cancer Research</i> , 2018, 20, 84.	2.2	40
16	The correlation of background parenchymal enhancement in the contralateral breast with patient and tumor characteristics of MRI-screen detected breast cancers. <i>PLoS ONE</i> , 2018, 13, e0191399.	1.1	14
17	Fully automated detection of breast cancer in screening MRI using convolutional neural networks. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	43
18	Optimization of volumetric breast density estimation in digital mammograms. <i>Physics in Medicine and Biology</i> , 2017, 62, 3779-3797.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Time to enhancement derived from ultrafast breast MRI as a novel parameter to discriminate benign from malignant breast lesions. <i>European Journal of Radiology</i> , 2017, 89, 90-96.	1.2	66
20	Improving computer-aided detection assistance in breast cancer screening by removal of obviously false-positive findings. <i>Medical Physics</i> , 2017, 44, 1390-1401.	1.6	15
21	Local breast density assessment using reacquired mammographic images. <i>European Journal of Radiology</i> , 2017, 93, 121-127.	1.2	7
22	Using deep learning to segment breast and fibroglandular tissue in MRI volumes. <i>Medical Physics</i> , 2017, 44, 533-546.	1.6	173
23	Automated Volumetric Mammographic Breast Density Measurements May Underestimate Percent Breast Density for High-density Breasts. <i>Academic Radiology</i> , 2017, 24, 1561-1569.	1.3	9
24	Large scale deep learning for computer aided detection of mammographic lesions. <i>Medical Image Analysis</i> , 2017, 35, 303-312.	7.0	728
25	Automated quality assessment in three-dimensional breast ultrasound images. <i>Journal of Medical Imaging</i> , 2016, 3, 027002.	0.8	12
26	Segmentation of malignant lesions in 3D breast ultrasound using a depth-dependent model. <i>Medical Physics</i> , 2016, 43, 4074-4084.	1.6	12
27	Reducing false positives of microcalcification detection systems by removal of breast arterial calcifications. <i>Medical Physics</i> , 2016, 43, 1676-1687.	1.6	10
28	A fully automated system for quantification of background parenchymal enhancement in breast DCE-MRI. , 2016, , .		2
29	Automated detection of breast cancer in false-negative screening MRI studies from women at increased risk. <i>European Journal of Radiology</i> , 2016, 85, 472-479.	1.2	23
30	A computer-aided diagnosis system for breast DCE-MRI at high spatiotemporal resolution. <i>Medical Physics</i> , 2015, 43, 84-94.	1.6	27
31	Computer-aided detection of breast cancers using Haar-like features in automated 3D breast ultrasound. <i>Medical Physics</i> , 2015, 42, 1498-1504.	1.6	32
32	Breast Segmentation and Density Estimation in Breast MRI: A Fully Automatic Framework. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 349-357.	3.9	107
33	Automated localization of breast cancer in DCE-MRI. <i>Medical Image Analysis</i> , 2015, 20, 265-274.	7.0	108
34	Volumetric Breast Density Estimation from Full-Field Digital Mammograms: A Validation Study. <i>PLoS ONE</i> , 2014, 9, e85952.	1.1	111
35	Breast segmentation in MRI: quantitative evaluation of three methods. , 2013, , .		6
36	Segmentation of the Pectoral Muscle in Breast MRI Using Atlas-Based Approaches. <i>Lecture Notes in Computer Science</i> , 2012, 15, 371-378.	1.0	31