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Computer aided detection system for micro calcifications in digital mammograms

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#	Paper	IF	Citations
56	Computer-aided breast cancer detection using mammograms: A review. 2014 ,		12
55	A fuzzy inference system design for computer aided mass detection in digital mammogram images. 2015 ,		
54	A fuzzy inference system design for computer aided mass detection in digital mammogram images. 2015 ,		
53	An integrated breast cancer risk assessment and management model based on fuzzy cognitive maps. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 118, 280-97	6.9	39
52	Application of knowledge discovery process on the prediction of stroke. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 119, 181-5	6.9	28
51	Quantitative breast lesion classification based on multichannel distributions in shear-wave imaging. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 122, 354-61	6.9	23
50	Reducing false positives of microcalcification detection systems by removal of breast arterial calcifications. <i>Medical Physics</i> , 2016 , 43, 1676	4.4	6
49	Application of Gabor wavelet and Locality Sensitive Discriminant Analysis for automated identification of breast cancer using digitized mammogram images. <i>Applied Soft Computing Journal</i> , 2016 , 46, 151-161	7.5	60
48	A new method of micro-calcifications detection in digitized mammograms based on improved simplified PCNN. <i>Neurocomputing</i> , 2016 , 218, 79-90	5.4	22
47	Underlining the complexity of the structural and chemical characteristics of ectopic calcifications in breast tissues through FE-SEM and FTIR spectroscopy. <i>Comptes Rendus Chimie</i> , 2016 , 19, 1610-1624	2.7	15
46	Development of intelligent systems based on Bayesian regularization network and neuro-fuzzy models for mass detection in mammograms: A comparative analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 126, 46-62	6.9	21
45	Comparison of Genetic Algorithm, Particle Swarm Optimization and Biogeography-based Optimization for Feature Selection to Classify Clusters of Microcalcifications. <i>Journal of the Institution of Engineers (India): Series B</i> , 2017 , 98, 189-202	0.9	14
44	Regions of micro-calcifications clusters detection based on new features from imbalance data in mammograms. 2017 ,		
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42	An Approach for Enhancement of Microcalcifications in Mammograms. <i>Journal of Medical and Biological Engineering</i> , 2017 , 37, 567-579	2.2	4
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40	A survey on applying machine learning techniques for management of diseases. <i>Journal of Applied Biomedicine</i> , 2018 , 16, 165-174	0.6	25

39	Classification of Mammograms Using Sigmoidal Transformation and SVM. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 193-199	0.5	7
38	Machine learning techniques for breast cancer computer aided diagnosis using different image modalities: A systematic review. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 156, 25-45	6.9	148
37	Enabling Efficient Stroke Prediction by Exploring Sleep Related Features. 2018 ,		1
36	Computer-aided diagnosis of breast cancer in digital mammograms. <i>International Journal of Biomedical Engineering and Technology</i> , 2018 , 27, 233	1.3	2
35	Morphological detection and neuro-genetic classification of masses and calcifications in mammograms for computer-aided diagnosis. <i>International Journal of Biomedical Engineering and Technology</i> , 2018 , 28, 203	1.3	
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33	Fuzzy C-means and region growing based classification of tumor from mammograms using hybrid texture feature. <i>Journal of Computational Science</i> , 2018 , 29, 34-45	3.4	65
32	Segmentation Techniques for Computer-Aided Diagnosis of Glaucoma: A Review. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 163-173	0.4	
31	Mammography-detected ultrasound-negative asymptomatic micro-calcifications in Chinese women: Would it be safe to watch and wait?. <i>Medical Hypotheses</i> , 2018 , 118, 9-12	3.8	
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29	Optimized Gabor Feature Extraction for Mass Classification Using Cuckoo Search for Big Data E-Healthcare. <i>Journal of Grid Computing</i> , 2019 , 17, 239-254	4.2	23
28	Multi-criterion mammographic risk analysis supported with multi-label fuzzy-rough feature selection. <i>Artificial Intelligence in Medicine</i> , 2019 , 100, 101722	7.4	13
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22	Mammogram classification using contourlet features with forest optimization-based feature selection approach. <i>Multimedia Tools and Applications</i> , 2019 , 78, 12805-12834	2.5	23

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14	Ischemic Stroke Prediction by Exploring Sleep Related Features. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2083	2.6	0
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12	Automated diagnosis of breast cancer using multi-modal datasets: A deep convolution neural network based approach. <i>Biomedical Signal Processing and Control</i> , 2021 , 71, 102825	4.9	10
11	Cuckoo search based multi-objective algorithm with decomposition for detection of masses in mammogram images. <i>International Journal of Information Technology (Singapore)</i> , 1	1.4	
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9	An Improved Mammogram Classification Approach Using Back Propagation Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 369-376	0.4	19
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7	Optimized Gabor Feature Extraction for Mass Classification Using Cuckoo Search for Big Data E-Healthcare. 2019 , 17, 239		1
6	Comparison of a Classifier Performance Testing Methods: Support Vector Machine Classifier on Mammogram Images Classification. <i>Journal of Kufa for Mathematics and Computer</i> , 2019 , 6, 8-12	0.2	1
5	State-of-the-Art Techniques for Mammogram Enhancement: A Comprehensive Discussion of Emerging Research Gaps and Remedial Solution. <i>Studies in Computational Intelligence</i> , 2020 , 63-75	0.8	
4	Non-Linear Enhancement Techniques for Mammograms. <i>Studies in Computational Intelligence</i> , 2020 , 55-62	0.8	0

- 3 Learnable DoG Convolutional Filters for Calcification Detection. ○
- 2 Automatic breast cancer detection using HGMMEM algorithm with DELMA classification. ○
- 1 GAN, CNN and ELM Based Breast Cancer Detection. **2023**, ○