Classification of mammogram for early detection of breast cancer using SVM classifier and Hough transform

Citation Report

#	Article	IF	Citations
1	The data learning and anomaly detection based on the rudder system testing facility. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107324.	2.5	7
2	A comprehensive review on multi-organs tumor detection based on machine learning. Pattern Recognition Letters, 2020, 131, 30-37.	2.6	39
3	Recent advancement in cancer detection using machine learning: Systematic survey of decades, comparisons and challenges. Journal of Infection and Public Health, 2020, 13, 1274-1289.	1.9	161
4	Improved region growing segmentation for breast cancer detection: progression of optimized fuzzy classifier. International Journal of Intelligent Computing and Cybernetics, 2020, 13, 181-205.	1.6	16
5	A Brief Survey on Breast Cancer Diagnostic With Deep Learning Schemes Using Multi-Image Modalities. IEEE Access, 2020, 8, 165779-165809.	2.6	52
6	An Effective Feature Extraction Based Particle Swarm Optimization with Support Vector Machine for Biomedical Mammogram Image Diagnosis. , 2020, , .		0
7	Auxiliary Medical Decision System for Prostate Cancer Based on Ensemble Method. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-11.	0.7	15
8	A fuzzy-based adaptive multi-input–output scheme in lieu of diabetic and hypertension management for post-operative patients: an human–machine interface approach with its continuum. Neural Computing and Applications, 2020, , 1.	3.2	5
9	Improvement of battery lifetime in software-defined network using particle swarm optimization based cluster-head gateway switch routing protocol with fuzzy rules. Computational Intelligence, 2020, 36, 813-823.	2.1	3
10	Improved fuzzy weighted-iterative association rule based ontology postprocessing in data mining for query recommendation applications. Computational Intelligence, 2020, 36, 773-782.	2.1	6
11	A Stacked Autoencoder Neural Network Algorithm for Breast Cancer Diagnosis With Magnetic Detection Electrical Impedance Tomography. IEEE Access, 2020, 8, 5428-5437.	2.6	13
12	Visualization of volatomic profiles for early detection of fungal infection on storage Jasmine brown rice using electronic nose coupled with chemometrics. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107561.	2.5	42
13	Shift invariant extrema based feature analysis scheme to discriminate the spiculation nature of mammograms. ISA Transactions, 2020, 103, 156-165.	3.1	8
14	Mamographic image for breast cancer detection and identification of stages of cancer using MFFC and optimized ANFIS. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8731-8745.	3.3	3
15	Machine learning approach for power consumption model based on monsoon data for smart cities applications. Computational Intelligence, 2021, 37, 1309-1321.	2.1	5
16	A novel approach based on pattern recognition techniques to evaluate magnetic properties of a non-grain oriented electrical steel in the secondary recrystallization process. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108135.	2.5	7
17	Survey of machine learning algorithms for breast cancer detection using mammogram images. Materials Today: Proceedings, 2021, 37, 2738-2743.	0.9	30
18	Medical image based breast cancer diagnosis: State of the art and future directions. Expert Systems With Applications, 2021, 167, 114095.	4.4	43

#	ARTICLE	IF	CITATIONS
19	A novel approach applied to fault diagnosis for micro-defects on piston throat. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108508.	2.5	4
20	Casting defect detection in X-ray images using convolutional neural networks and attention-guided data augmentation. Measurement: Journal of the International Measurement Confederation, 2021, 170, 108736.	2.5	33
21	Deep and machine learning techniques for medical imaging-based breast cancer: A comprehensive review. Expert Systems With Applications, 2021, 167, 114161.	4.4	195
23	Mass classification of mammograms using fractal dimensions and statistical features. Multidimensional Systems and Signal Processing, 2021, 32, 573-605.	1.7	4
25	A survey on Machine learning based Medical Assistive systems in Current Oncological Sciences. Current Medical Imaging, 2021, 17, .	0.4	0
26	Cloud Computing-Based Framework for Breast Cancer Diagnosis Using Extreme Learning Machine. Diagnostics, 2021, 11, 241.	1.3	116
27	Impact of autoencoder based compact representation on emotion detection from audio. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 867-885.	3.3	19
28	Linear discriminant analysis and support vector machines for classifying breast cancer. IAES International Journal of Artificial Intelligence, 2021, 10, 253.	0.6	1
29	Breast Cancer Detection-Based Feature Optimization Using Firefly Algorithm and Ensemble Classifier. , 2021, , .		4
30	Cardiovascular risk assessment using data mining inferencing and feature engineering techniques. International Journal of Information Technology (Singapore), 2021, 13, 2011-2023.	1.8	12
31	Comparison of the histogram of oriented gradient, GLCM, and shape feature extraction methods for breast cancer classification using SVM. Jurnal Teknologi Dan Sistem Komputer, 2021, 9, 150-156.	0.2	1
32	Prediction of the risk of C5 palsy after posterior laminectomy and fusion with cervical myelopathy using a support vector machine: an analysis of 184 consecutive patients. Journal of Orthopaedic Surgery and Research, 2021, 16, 332.	0.9	11
33	Cross-modality image feature fusion diagnosis in breast cancer. Physics in Medicine and Biology, 2021, 66, 105003.	1.6	2
34	An efficient botnet detection with the enhanced support vector neural network. Measurement: Journal of the International Measurement Confederation, 2021, 176, 109140.	2.5	12
35	Multi-Features-Based Automated Breast Tumor Diagnosis Using Ultrasound Image and Support Vector Machine. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	6
36	Automatic segmentation of large bowl obstruction area with hough transform from erect abdominal radiograph images. International Journal of Electrical and Computer Engineering, 2021, 11, 2674.	0.5	1
37	Presentation of Novel Hybrid Algorithm for Detection and Classification of Breast Cancer Using Growth Region Method and Probabilistic Neural Network. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.1	9
38	Hough Transform-Based Angular Features for Learning-Free Handwritten Keyword Spotting. Sensors, 2021, 21, 4648.	2.1	11

#	ARTICLE	IF	CITATIONS
39	Improved data clustering methods and integrated A-FP algorithm for crop yield prediction. Distributed and Parallel Databases, 0, , 1.	1.0	2
40	<scp>Fully‑automatic</scp> identification of gynaecological abnormality using a new adaptive frequency filter and histogram of oriented gradients (<scp>HOG</scp>). Expert Systems, 2022, 39, e12789.	2.9	23
41	Deep Learning Based Capsule Neural Network Model for Breast Cancer Diagnosis Using Mammogram Images. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 113-129.	2.2	79
42	Detection of breast cancer using the infinite feature selection with genetic algorithm and deep neural network. Distributed and Parallel Databases, 2022, 40, 675-697.	1.0	2
43	A Bottom-Up Review of Image Analysis Methods for Suspicious Region Detection in Mammograms. Journal of Imaging, 2021, 7, 190.	1.7	30
44	Classification Based on Structural Information in Data. Arabian Journal for Science and Engineering, 2022, 47, 2239-2253.	1.7	1
45	Boundaries tuned support vector machine (BT-SVM) classifier for cancer prediction from gene selection. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 794-807.	0.9	2
46	Cancer diagnosis using artificial intelligence: a review. Artificial Intelligence Review, 0, , 1.	9.7	8
47	A novel machine learning approach for breast cancer diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110233.	2.5	22
48	Computer-aided diagnosis of low grade endometrial stromal sarcoma (LGESS). Computers in Biology and Medicine, 2021, 138, 104874.	3.9	7
49	A review on image-based approaches for breast cancer detection, segmentation, and classification. Expert Systems With Applications, 2021, 182, 115204.	4.4	51
50	Mammogram Learning System for Breast Cancer Diagnosis Using Deep Learning SVM. Computer Systems Science and Engineering, 2022, 40, 491-503.	1.9	12
51	Modified Differential Box Counting in Breast Masses for Bioinformatics Applications. Computers, Materials and Continua, 2022, 70, 3049-3066.	1.5	0
52	Analysis of the microcapsule structure based on machine learning algorithm. Journal of Physics: Conference Series, 2021, 1763, 012030.	0.3	4
53	Towards feature selection for digital mammogram classification. Procedia Computer Science, 2021, 192, 632-641.	1.2	6
54	A density-based maximum margin machine classifier. Cluster Computing, 2020, 23, 3069-3078.	3.5	1
55	Design and application of time series algorithm model in information assisted sensing system of nursing measurement in neurology. Measurement: Journal of the International Measurement Confederation, 2020, 162, 107894.	2.5	1
56	Multi-class classification of mammograms with hesitancy based Hanman transform classifier on pervasive information set texture features. Informatics in Medicine Unlocked, 2021, 26, 100756.	1.9	3

#	ARTICLE	IF	CITATIONS
57	A Review on Multi-organ Cancer Detection Using Advanced Machine Learning Techniques. Current Medical Imaging, 2021, 17, 686-694.	0.4	11
58	A Novel Hybrid K-Means and GMM Machine Learning Model for Breast Cancer Detection. IEEE Access, 2021, 9, 146153-146162.	2.6	17
59	Increased Mammogram Image Contrast Using Histogram Equalization And Gaussian In The Classification Of Breast Cancer. JITCE (Journal of Information Technology and Computer Engineering), 2020, 4, 40-44.	0.4	1
60	Breast Cancer Diagnosis Using Optimized Machine Learning Algorithms. , 2021, , .		2
61	Breast cancer detection in ultrasound imaging. World Journal of Advanced Research and Reviews, 2021, 12, 308-314.	0.1	0
62	Towards non-data-hungry and fully-automated diagnosis of breast cancer from mammographic images. Computers in Biology and Medicine, 2021, 139, 105011.	3.9	2
63	Big data feature selection using fish and frog optimization. Computational Intelligence, 0, , .	2.1	0
64	A novel TMGWOâ€"SLBNCâ€based multidimensional feature subset selection and classification framework for frequent diagnosis of breast lesion abnormalities. International Journal of Intelligent Systems, 2022, 37, 2131-2162.	3.3	4
65	Artificial intelligence for breast cancer analysis: Trends & directions. Computers in Biology and Medicine, 2022, 142, 105221.	3.9	47
66	Performance Improvement of Breast Cancer Diagnosis based on Mammogram Images using Feature Extraction and Classification Methods. , 2021, , .		0
67	A new automated segmentation and classification of mammogram images. Multimedia Tools and Applications, 2022, 81, 7783-7816.	2.6	6
68	Segmentation of Breast Masses in Mammogram Image Using Multilevel Multiobjective Electromagnetism-Like Optimization Algorithm. BioMed Research International, 2022, 2022, 1-14.	0.9	6
69	Improved multi-classification of breast cancer histopathological images using handcrafted features and deep neural network (dense layer). Intelligent Systems With Applications, 2022, 14, 200066.	1.9	18
70	Mammogram pectoral muscle removal and classification using histo-sigmoid based ROI clustering and SDNN. Multimedia Tools and Applications, 2022, 81, 20993-21026.	2.6	5
71	Categorization of breast masses based on deep belief network parameters optimized using chaotic krill herd optimization algorithm for frequent diagnosis of breast abnormalities. International Journal of Imaging Systems and Technology, 2022, 32, 1561-1576.	2.7	4
72	An artificial intelligenceâ€based smart health system for biological cognitive detection based on wireless telecommunication. Computational Intelligence, 2022, 38, 1365-1378.	2.1	2
73	An Intelligent Framework for Automatic Breast Cancer Classification Using Novel Feature Extraction and Machine Learning Techniques. Journal of Signal Processing Systems, 0, , 1.	1.4	0
74	A review on machine learning techniques for the assessment of image grading in breast mammogram. International Journal of Machine Learning and Cybernetics, 2022, 13, 2609-2635.	2.3	2

#	ARTICLE	IF	CITATIONS
75	Breast Cancer Detection Using Mammogram Images with Improved Multi-Fractal Dimension Approach and Feature Fusion. Applied Sciences (Switzerland), 2021, 11, 12122.	1.3	46
77	Choose most efficient features of breast cancer using an SVM classifier for breast cancer diagnosis. , 2022, , .		3
78	A Systematic Literature Review of Breast Cancer Diagnosis Using Machine Intelligence Techniques. Archives of Computational Methods in Engineering, 2022, 29, 4401-4430.	6.0	17
79	Breast cancer: Classification of suspicious regions in digital mammograms based on capsule network. Biomedical Signal Processing and Control, 2022, 76, 103696.	3.5	11
80	A New Detection and Diagnosis Method for Tubing Leakage Below Liquid Level in Gas Wellbore. SSRN Electronic Journal, 0, , .	0.4	0
81	Health Care Data Analytics â€" Comparative Study of Supervised Model. International Journal of Innovative Technology and Exploring Engineering, 2022, 11, 22-28.	0.2	0
82	Recent advancement in cancer diagnosis using machine learning and deep learning techniques: A comprehensive review. Computers in Biology and Medicine, 2022, 146, 105580.	3.9	53
83	Detection of Breast Cancer Masses in Mammogram Images with Watershed Segmentation and Machine Learning Approach. , 2022, , 35-60.		8
84	Segmentation and classification of breast cancer using novel deep learning architecture. Neural Computing and Applications, 2022, 34, 16533-16545.	3.2	21
85	A hybrid classifier based on support vector machine and Jaya algorithm for breast cancer classification. Neural Computing and Applications, 2022, 34, 16669-16681.	3.2	6
87	A deep-learning based diagnostic framework for Breast Cancer. , 2022, , .		0
88	A Hybrid Deep Transfer Learning of CNN-Based LR-PCA for Breast Lesion Diagnosis via Medical Breast Mammograms. Sensors, 2022, 22, 4938.	2.1	25
89	Diagnostic Strategies for Breast Cancer Detection: From Image Generation to Classification Strategies Using Artificial Intelligence Algorithms. Cancers, 2022, 14, 3442.	1.7	13
90	Performance Analysis of Breast Cancer Detection Method Using ANFIS Classification Approach. Computer Systems Science and Engineering, 2023, 44, 501-517.	1.9	2
91	Breast Lesions Screening of Mammographic Images with 2D Spatial and 1D Convolutional Neural Network-Based Classifier. Applied Sciences (Switzerland), 2022, 12, 7516.	1.3	2
92	Breast cancer: Threeâ€class masses classification in mammograms using Apriori dynamic selection. Concurrency Computation Practice and Experience, 0, , .	1.4	0
93	Imbalanced multiclass classification with active learning in strip rolling process. Knowledge-Based Systems, 2022, 255, 109754.	4.0	2
94	A detection and diagnosis method for tubing leakage below liquid level in gas wellbore. Measurement: Journal of the International Measurement Confederation, 2022, 202, 111891.	2.5	2

#	Article	IF	Citations
95	Effect of Balancing Data Using Synthetic Data on the Performance of Machine Learning Classifiers for Intrusion Detection in Computer Networks. IEEE Access, 2022, 10, 96731-96747.	2.6	15
96	Cloud Computing-Based Framework for Breast Tumor Image Classification Using Fusion of AlexNet and GLCM Texture Features with Ensemble Multi-Kernel Support Vector Machine (MK-SVM). Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	6
97	Hardware/Software Co-Design of a Circle Detection System Based on Evolutionary Computing. Electronics (Switzerland), 2022, 11, 2686.	1.8	1
98	Number of Convolution Layers and Convolution Kernel Determination and Validation for Multilayer Convolutional Neural Network: Case Study in Breast Lesion Screening of Mammographic Images. Processes, 2022, 10, 1867.	1.3	1
99	Identification of Anomalies in Mammograms through Internet of Medical Things (IoMT) Diagnosis System. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.1	2
100	Feature selection and classification in mammography using hybrid crow search algorithm with Harris hawks optimization. Biocybernetics and Biomedical Engineering, 2022, 42, 1094-1111.	3.3	8
101	Breast cancer classification application based on QGA-SVM. Journal of Intelligent and Fuzzy Systems, 2022, , 1-13.	0.8	0
102	Breast cancer detection model using fuzzy entropy segmentation and ensemble classification. Biomedical Signal Processing and Control, 2023, 80, 104236.	3.5	5
103	Intelligent COVID-19 screening platform based on breath analysis. Journal of Breath Research, 2023, 17, 016005.	1.5	5
104	Breast tumor localization and segmentation using machine learning techniques: Overview of datasets, findings, and methods. Computers in Biology and Medicine, 2023, 152, 106443.	3.9	22
105	Automated breast cancer detection by reconstruction independent component analysis (RICA) based hybrid features using machine learning paradigms. Connection Science, 2022, 34, 2784-2806.	1.8	8
106	Brain Tumor Classification Using Machine Learning and Deep Learning Algorithms. International Journal of Electrical & Electronics Research, 2022, 10, 999-1004.	1.0	2
107	Computational Intelligence Approaches for Enhancing Biomedical Image Processing Applications Based on Breast Cancer. , 0, , .		0
108	Data-driven analysis of influence between radiologists for diagnosis of breast lesions. Annals of Operations Research, 2023, 328, 419-449.	2.6	1
109	Insight into breast cancer detection: new hybrid feature selection method. Neural Computing and Applications, 2023, 35, 6831-6853.	3.2	6
111	Recent advancements of deep learning in detecting breast cancer: a survey. Multimedia Systems, 2023, 29, 917-943.	3.0	3
112	Early prediction of pathological complete response to neoadjuvant chemotherapy in breast cancer MRI images using combined Pre-trained convolutional neural network and machine learning. Measurement: Journal of the International Measurement Confederation, 2023, 207, 112269.	2.5	4
113	Automatic Detection of Breast Cancer through Mammogram Images. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
114	Artificial Intelligence at the Service of Medical Imaging in the Detection of Breast Tumors. Artificial Intelligence, 0, , .	2.0	0
115	Identification of factors associated with diagnostic performance variation in reporting of mammograms: A review. Radiography, 2023, 29, 340-346.	1.1	2
116	Review on Computer Aided Breast Cancer Detection and Diagnosis Using Machine Learning Methods on Mammogram Image. Current Medical Imaging, 2023, 19, .	0.4	0
117	Complete, Fully Automatic Detection and Classification of Benign and Malignant Breast Tumors Based on CT Images Using Artificial Intelligent and Image Processing. Journal of Clinical Medicine, 2023, 12, 1582.	1.0	0
118	Efficient breast cancer mammograms diagnosis using three deep neural networks and term variance. Scientific Reports, 2023, 13, .	1.6	10
119	Mammography Image Classification and Detection by Bi-LSTM with Residual Network Using XG-Boost Approach. Smart Innovation, Systems and Technologies, 2023, , 165-176.	0.5	0
120	Mammogram Image Classification Using Various Machine Learning Algorithms. , 2022, , .		0
121	Raman spectroscopy combined with a support vector machine algorithm as a diagnostic technique for primary Sjögren's syndrome. Scientific Reports, 2023, 13, .	1.6	4
122	Combining K-Means and Gaussian Mixture Model for better accuracy in prediction of Ductal Carcinoma in Situ (DCIS)- Breast Cancer. , 2023, , .		1
126	A Self-organizing Map with Neural Networks Classifier Technique for Face and Handwritten Signature Recognition System in DIP. Lecture Notes in Networks and Systems, 2023, , 575-588.	0.5	0
132	Machine Learning Approaches for Early Diagnosis of Breast Cancer: A Comparative Study of Performance Evaluation. , 2023, , .		0
133	A comprehensive analysis of recent advancements in cancer detection using machine learning and deep learning models for improved diagnostics. Journal of Cancer Research and Clinical Oncology, 2023, 149, 14365-14408.	1.2	2
135	An In-Depth Review of AI-Based Techniques for Early Diagnosis of Breast Cancer: Evaluation of CAD System Design and Classification Methodologies. , 2023, , .		1
144	A survey of mammographic images based breast cancer detection using traditional and conventional approaches. AIP Conference Proceedings, 2023, , .	0.3	0
146	Firefly Optimized Federated SVM Model for Breast Cancer Prediction. , 2023, , .		0
148	Detection of breast cancer using artificial neural network classifier and comparing with support vector machine classifier. AIP Conference Proceedings, 2023, , .	0.3	0
151	Breast Cancer Subtype Classification Based on PET/CT Bimodal Imaging Feature Fusion. , 2023, , .		0
152	Building an Extensive Database for Training Predictive Models in Image Classification of Mammography Views and Projections using Support Vector Machines. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
155	Mammogram Breast Cancer Classification Based on Deep-Convolutional Neural Network. , 2023, , .		0
156	An Enhancement inÂAccuracy forÂBreast Cancer Prediction Using Machine Learning andÂDeep Learning Model. Studies in Autonomic, Data-driven and Industrial Computing, 2024, , 371-382.	0.4	0
158	Defect Detection of Casting Products Using Convolutional Neural Network. Lecture Notes in Networks and Systems, 2024, , 96-104.	0.5	0
159	Machine Learning and Computer Vision Based Methods for Cancer Classification: A Systematic Review. Archives of Computational Methods in Engineering, 0, , .	6.0	0