Jitendra Virmani

List of Publications by Year
in descending order

60 papers	1,316 citations	393982 19 h-index	377514 34 g-index
63 all docs	63 docs citations	63 times ranked	851 citing authors

#	Article	IF	Citations
1	Classification of leaves of medicinal plants using laws' texture features. International Journal of Information Technology (Singapore), 2022, 14, 931-942.	1.8	11
2	FAB classification of acute leukemia using an ensemble of neural networks. Evolutionary Intelligence, 2022, 15, 99-117.	2.3	5
3	A Characterization Approach for the Review of CAD Systems Designed for Breast Tumor Classification Using B-Mode Ultrasound Images. Archives of Computational Methods in Engineering, 2022, 29, 1485-1523.	6.0	6
4	Despeckling filters applied to thyroid ultrasound images: a comparative analysis. Multimedia Tools and Applications, 2022, 81, 8905-8937.	2.6	8
5	Sentiment analysis of micro-blogging sites using supervised learning: a narrative review of recent studies. International Journal of Knowledge and Learning, 2022, 15, 89.	0.1	2
6	A Review of Segmentation Algorithms Applied to B-Mode Breast Ultrasound Images: A Characterization Approach. Archives of Computational Methods in Engineering, 2021, 28, 2567-2606.	6.0	6
7	Methodology adopted for designing of computer-aided classification systems for chest radiographs. , 2021, , 59-115.		0
8	Hybrid computer-aided classification system design using lightweight end-to-end Pre-trained CNN-based deep feature extraction and PCA-SVM classifier for chest radiographs. , 2021, , 197-204.		1
9	Hybrid computer-aided classification system design using end-to-end Pre-trained CNN-based deep feature extraction and PCA-SVM classifier for chest radiographs. , 2021, , 157-166.		0
10	Hybrid computer-aided classification system design using lightweight end-to-end Pre-trained CNN-based deep feature extraction and ANFC-LH classifier for chest radiographs. , 2021, , 185-196.		0
11	Hybrid computer-aided classification system design using end-to-end CNN-based deep feature extraction and ANFC-LH classifier for chest radiographs. , 2021, , 141-156.		0
12	Deep feature extraction and classification of breast ultrasound images. Multimedia Tools and Applications, 2020, 79, 27257-27292.	2.6	35
13	Texture Ratio Vector Technique for the Classification of Breast Lesions Using SVM. Advances in Intelligent Systems and Computing, 2020, , 201-210.	0.5	3
14	Classification of Breast Tissue Density Patterns Using SVM-Based Hierarchical Classifier. Advances in Intelligent Systems and Computing, 2019, , 185-191.	0.5	2
15	A breast tissue characterization framework using PCA and weighted score fusion of neural network classifiers. , 2019, , 129-151.		1
16	Automated Classification of Hypertension and Coronary Artery Disease Patients by PNN, KNN, and SVM Classifiers Using HRV Analysis. , 2019, , 99-125.		21
17	Effect of despeckle filtering on classification of breast tumors using ultrasound images. Biocybernetics and Biomedical Engineering, 2019, 39, 536-560.	3.3	35
18	A DEFS Based System for Differential Diagnosis Between Severe Fatty Liver and Cirrhotic Liver Using Ultrasound Images. , 2019, , 53-72.		6

#	Article	IF	Citations
19	Optimization of ROI Size for Development of Computer Assisted Framework for Breast Tissue Pattern Characterization Using Digitized Screen Film Mammograms. , 2019, , 127-157.		2
20	A computerised framework for characterisation of breast tissue using mammographic images. International Journal of Computational Systems Engineering, 2019, 5, 193.	0.2	0
21	Comparison of multiclass and hierarchical CAC design for benign and malignant hepatic tumors. , 2019, , 119-146.		0
22	Assessment of despeckle filtering algorithms for segmentation of breast tumours from ultrasound images. Biocybernetics and Biomedical Engineering, 2019, 39, 100-121.	3.3	25
23	A genetic algorithm-based metaheuristic approach to customize a computer-aided classification system for enhanced screen film mammograms. , 2019, , 217-259.		5
24	A hybrid CAD system design for liver diseases using clinical and radiological data. , 2019, , 289-314.		1
25	A computerised framework for characterisation of breast tissue using mammographic images. International Journal of Computational Systems Engineering, 2019, 5, 193.	0.2	0
26	Detection of Chronic Kidney Disease: A NN-GA-Based Approach. Advances in Intelligent Systems and Computing, 2018, , 109-115.	0.5	14
27	Evaluating the Efficacy of Gabor Features in the Discrimination of Breast Density Patterns Using Various Classifiers. Lecture Notes in Computational Vision and Biomechanics, 2018, , 105-131.	0.5	3
28	Leukocyte Classification using Adaptive Neuro-Fuzzy Inference System in Microscopic Blood Images. Arabian Journal for Science and Engineering, 2018, 43, 7041-7058.	1.7	22
29	A computerised framework for prediction of fatty and dense breast tissue using principal component analysis and multi-resolution texture descriptors. International Journal of Computational Systems Engineering, 2018, 4, 73.	0.2	3
30	Classification of Breast Density Patterns Using PNN, NFC, and SVM Classifiers. , 2018, , 223-243.		8
31	Application of ensemble artificial neural network for the classification of white blood cells using microscopic blood images. International Journal of Computational Systems Engineering, 2018, 4, 202.	0.2	15
32	Application of ensemble artificial neural network for the classification of white blood cells using microscopic blood images. International Journal of Computational Systems Engineering, 2018, 4, 202.	0.2	3
33	A computerised framework for prediction of fatty and dense breast tissue using principal component analysis and multi-resolution texture descriptors. International Journal of Computational Systems Engineering, 2018, 4, 73.	0.2	1
34	A classification framework for prediction of breast density using an ensemble of neural network classifiers. Biocybernetics and Biomedical Engineering, 2017, 37, 217-228.	3.3	38
35	A hybrid hierarchical framework for classification of breast density using digitized film screen mammograms. Multimedia Tools and Applications, 2017, 76, 18789-18813.	2.6	17
36	Classification of acute lymphoblastic leukaemia using hybrid hierarchical classifiers. Multimedia Tools and Applications, 2017, 76, 19057-19085.	2.6	83

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37	Computer assisted classification framework for prediction of acute lymphoblastic and acute myeloblastic leukemia. Biocybernetics and Biomedical Engineering, 2017, 37, 637-654.	3.3	82
38	Characterization of breast tumors using selected laws' mask texture features. , 2017, , .		2
39	A Decision Support System for Classification of Normal and Medical Renal Disease Using Ultrasound Images. International Journal of Ambient Computing and Intelligence, 2017, 8, 52-69.	0.8	86
40	Haralick's Texture Descriptors for Classification of Renal Ultrasound Images. , 2017, , 277-310.		2
41	Comparison of CAD Systems for Three Class Breast Tissue Density Classification Using Mammographic Images. Studies in Computational Intelligence, 2016, , 107-130.	0.7	5
42	Application of Texture Features for Classification of Primary Benign and Primary Malignant Focal Liver Lesions. Studies in Computational Intelligence, 2016, , 385-409.	0.7	2
43	Application of Statistical Texture Features for Breast Tissue Density Classification. Studies in Computational Intelligence, 2016, , 411-435.	0.7	4
44	Breast Tissue Density Classification Using Wavelet-Based Texture Descriptors. Advances in Intelligent Systems and Computing, 2016, , 539-546.	0.5	9
45	PCA-PNN and PCA-SVM Based CAD Systems for Breast Density Classification. Intelligent Systems Reference Library, 2016, , 159-180.	1.0	51
46	Breast density classification using Laws' mask texture features. International Journal of Biomedical Engineering and Technology, 2015, 19, 279.	0.2	24
47	Wavelet Packet Texture Descriptors Based Four-class BIRADS Breast Tissue Density Classification. Procedia Computer Science, 2015, 70, 76-84.	1.2	20
48	Computer Aided Diagnostic System for Detection of Leukemia Using Microscopic Images. Procedia Computer Science, 2015, 70, 748-756.	1.2	94
49	Reduction of speckle noise from medical images using principal component analysis image fusion. , 2014, , .		7
50	Neural Network Ensemble Based CAD System for Focal Liver Lesions from B-Mode Ultrasound. Journal of Digital Imaging, 2014, 27, 520-537.	1.6	75
51	SVM-Based Characterization of Liver Ultrasound Images Using Wavelet Packet Texture Descriptors. Journal of Digital Imaging, 2013, 26, 530-543.	1.6	149
52	Characterization of Primary and Secondary Malignant Liver Lesions from B-Mode Ultrasound. Journal of Digital Imaging, 2013, 26, 1058-1070.	1.6	58
53	A comparative study of computer-aided classification systems for focal hepatic lesions from B-mode ultrasound. Journal of Medical Engineering and Technology, 2013, 37, 292-306.	0.8	46
54	SVM-based characterisation of liver cirrhosis by singular value decomposition of GLCM matrix. International Journal of Artificial Intelligence and Soft Computing, 2013, 3, 276.	0.1	34

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55	Prediction of liver cirrhosis based on multiresolution texture descriptors from B-mode ultrasound. International Journal of Convergence Computing, 2013, 1, 19.	0.2	41
56	PCA-SVM based CAD System for Focal Liver Lesions using B-Mode Ultrasound Images. Defence Science Journal, 2013, 63, 478-486.	0.5	58
57	Morphological Enhancement of Microcalcifications in Digital Mammograms. Journal of the Institution of Engineers (India): Series B, 2012, 93, 163-172.	1.3	13
58	A rapid approach for prediction of liver cirrhosis based on first order statistics. , 2011, , .		19
59	Prediction of Cirrhosis Based on Singular Value Decomposition of Gray Level Co-occurence Marix and aNneural Network Classifier. , 2011, , .		24
60	Prediction of cirrhosis from liver ultrasound B-mode images based on Laws' masks analysis. , 2011, , .		26