SRamakrishnan

List of Publications by Year
in descending order

92 papers	1,266 citations	430874 18 h-index	434195 31 g-index
98 all docs	98 docs citations	98 times ranked	1110 citing authors

#	Article	IF	Citations
1	Speech emotion recognition approaches in human computer interaction. Telecommunication Systems, 2013, 52, 1467-1478.	2.5	120
2	Speech encryption using chaotic shift keying for secured speech communication. Eurasip Journal on Audio, Speech, and Music Processing, 2017, 2017, .	2.1	86
3	Hierarchical multi-class SVM with ELM kernel for epileptic EEG signal classification. Medical and Biological Engineering and Computing, 2016, 54, 149-161.	2.8	84
4	SVD-Based Modeling for Image Texture Classification Using Wavelet Transformation. IEEE Transactions on Image Processing, 2007, 16, 2688-2696.	9.8	74
5	A Comparative Performance Evaluation of Supervised Feature Selection Algorithms on Microarray Datasets. Procedia Computer Science, 2017, 115, 209-217.	2.0	42
6	An intelligent reversible watermarking system for authenticating medical images using Wavelet and PSO. Cluster Computing, 2019, 22, 4431-4442.	5.0	42
7	Confined Concrete Subjected to Uniaxial Monotonic Loading. Journal of Engineering Mechanics - ASCE, 1998, 124, 1303-1309.	2.9	41
8	Speech encryption algorithm using FFT and 3D-Lorenzâ€"logistic chaotic map. Multimedia Tools and Applications, 2020, 79, 17817-17835.	3.9	37
9	Recognition of Emotion from Speech: A Review. , 0, , .		34
10	Metaheuristic Search Based Feature Selection Methods for Classification of Cancer. Pattern Recognition, 2021, 119, 108079.	8.1	34
11	Fibonacci Based Key Frame Selection and Scrambling for Video Watermarking in DWTâ€"SVD Domain. Wireless Personal Communications, 2018, 102, 2011-2031.	2.7	33
12	Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM. Pattern Analysis and Applications, 2019, 22, 1161-1176.	4.6	32
13	PERFORMANCE COMPARISON FOR INTRUSION DETECTION SYSTEM USING NEURAL NETWORK WITH KDD DATASET. ICTACT Journal on Soft Computing, 2014, 4, 743-752.	0.7	30
14	Attribute selection using fuzzy roughset based customized similarity measure for lung cancer microarray gene expression data. Future Computing and Informatics Journal, 2018, 3, 131-142.	0.6	29
15	Image texture classification using wavelet based curve fitting and probabilistic neural network. International Journal of Imaging Systems and Technology, 2007, 17, 266-275.	4.1	28
16	Laboratory Seismic Tests of Geotextile Wrap-Faced and Geotextile-Reinforced Segmental Retaining Walls. Geosynthetics International, 1998, 5, 55-71.	2.9	25
17	Chaotic Image Encryption with Hash Keying as Key Generator. IETE Journal of Research, 2017, 63, 172-187.	2.6	23
18	Optically Excited And Interrogated Micromechanical Silicon Cantilever Structure. Proceedings of SPIE, 1987, 0798, 61.	0.8	22

#	Article	IF	Citations
19	Image Encryption Using Hyper-chaotic Map for Permutation and Diffusion by Multiple Hyper-chaotic Maps. Wireless Personal Communications, 2019, 109, 437-454.	2.7	22
20	Performance analysis of intrusion detection system using various neural network classifiers. , 2011, , .		21
21	Comparative study between traditional and modified probabilistic neural networks. Telecommunication Systems, 2009, 40, 67-74.	2.5	19
22	Attack's Feature Selection-Based Network Intrusion Detection System Using Fuzzy Control Language. International Journal of Fuzzy Systems, 2017, 19, 316-328.	4.0	18
23	Prediction of cancer using customised fuzzy rough machine learning approaches. Healthcare Technology Letters, 2019, 6, 13-18.	3.3	17
24	Differential evolution and ACO based global optimal feature selection with fuzzy rough set for cancer data classification. Soft Computing, 2020, 24, 18463-18475.	3.6	16
25	Software project management and measurement on the World-Wide-Web (WWW). , 0, , .		15
26	A comparison study of low-profile power magnetics for high-frequency, high-density switching converters. , 0, , .		14
27	Non-redundant frame identification and keyframe selection in DWT-PCA domain for authentication of video. IET Image Processing, 2020, 14, 366-375.	2.5	13
28	Speech encryption using hybrid-hyper chaotic system and binary masking technique. Multimedia Tools and Applications, 2022, 81, 6331-6349.	3.9	13
29	Binary classification of cancer microarray gene expression data using extreme learning machines. , 2014, , .		12
30	Implementation of $2^{n},- ,2^{k},- ,1$ Modulo Adder Based RFID Mutual Authentication Protocol. IEEE Transactions on Industrial Electronics, 2018, 65, 626-635.	7.9	12
31	An image encryption using chaotic permutation and diffusion. , 2014, , .		11
32	Speech Enhancement, Modeling and Recognition- Algorithms and Applications. , 2012, , .		10
33	Detection of Attacks for IDS using Association Rule Mining Algorithm. IETE Journal of Research, 2015, 61, 624-633.	2.6	9
34	Hybrid information gain based fuzzy roughset feature selection in cancer microarray data. , 2017, , .		9
35	Multiwavelets domain singular value features for image texture classification. Journal of Zhejiang University: Science A, 2007, 8, 538-549.	2.4	8
36	Semi fragile watermarking using Gaussian mixture model for malicious image attacks. , 2011, , .		8

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37	CHAOTIC map based video watermarking using DWT and SVD. , 2017, , .		8
38	Evolutionary sequential genetic search technique–based cancer classification using fuzzy rough nearest neighbour classifier. Healthcare Technology Letters, 2018, 5, 130-135.	3.3	8
39	Face Recognition - Semisupervised Classification, Subspace Projection and Evaluation Methods. , 2016, , .		8
40	Classification brain MR images through a fuzzy multiwavelets based GMM and probabilistic neural networks. Telecommunication Systems, 2011, 46, 245-252.	2.5	7
41	IMAGE ENCRYPTION IN BLOCK-WISE WITH MULTIPLE CHAOTIC MAPS FOR PERMUTATION AND DIFFUSION. ICTACT Journal on Image and Video Processing, 2016, 06, 1220-1227.	0.2	7
42	An optically activated resonant force sensor calibrated as a weighing balance. Measurement Science and Technology, 1991, 2, 549-552.	2.6	6
43	Lyapunov features based EEG signal classification by multi-class SVM. , 2011, , .		6
44	A hybrid approach to feature selection using correlation coefficient and fuzzy rough quick reduct algorithm applied to cancer microarray data. , 2016, , .		6
45	Two improved extension of local binary pattern descriptors using wavelet transform for texture classification. IET Image Processing, 2018, 12, 2002-2010.	2.5	6
46	Epileptic EEG Signal Classification using Multi-class Convolutional Neural Network. , 2019, , .		6
47	Seizure Detection with Local Binary Pattern and CNN Classifier. Journal of Physics: Conference Series, 2021, 1767, 012029.	0.4	6
48	Testing and Analysis of Chen Chaotic Mapping for Speech Cryptography. Journal of Testing and Evaluation, 2019, 47, 3028-3040.	0.7	6
49	Random Global and Local Optimal Search Algorithm Based Subset Generation for Diagnosis of Cancer. Current Medical Imaging, 2020, 16, 249-261.	0.8	6
50	Optimal feature selection using PSO with SVM for epileptic EEG classification. International Journal of Biomedical Engineering and Technology, 2014, 16, 343.	0.2	5
51	Finding expressed genes using genetic algorithm and extreme learning machines. , 2017, , .		5
52	Performance Analysis of Classifiers on Filter-Based Feature Selection Approaches on Microarray Data. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2017, , 41-70.	0.2	5
53	SMS Based E-assessments Enabling better Student Engagement, Evaluation and Recommendation Services in E-learning Making Use of Fuzzy Rules and Course Ontologies. , 2012, , .		4
54	Combined Seizure Index with Adaptive Multi-Class SVM for epileptic EEG classification. , 2013, , .		4

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55	Local line directional neighborhood pattern for texture classification. Eurasip Journal on Image and Video Processing, 2018, 2018, .	2.6	4
56	Speech and Audio Cryptography System using Chaotic Mapping and Modified Euler's System. , 2018, , .		4
57	Analysis of energy efficiency in cloud based heterogeneous RAN with large-scale antenna systems. Computer Networks, 2019, 149, 265-276.	5.1	4
58	Video Copyright Protection Using Chaotic Maps and Singular Value Decomposition in Wavelet Domain. IETE Journal of Research, 2020, 66, 290-302.	2.6	4
59	Wavelet domain directional binary pattern using majority principle for texture classification. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123575.	2.6	4
60	Wavelet domain majority coupled binary pattern: a new descriptor for texture classification. Pattern Analysis and Applications, 2021, 24, 393-408.	4.6	4
61	Association Rule-Mining-Based Intrusion Detection System With Entropy-Based Feature Selection. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 1-24.	0.5	4
62	Models for performance evaluation of a local area network with a file server. Computer Networks, 1994, 26, 493-509.	1.0	3
63	A Wavelet Based Hybrid SVD Algorithm for Digital Image Watermarking. Signal and Image Processing: an International Journal, 2011, 2, 157-174.	0.3	3
64	Tree Based Wavelet Transform and DAG SVM for Seizure Detection. Signal and Image Processing: an International Journal, 2012, 3, 115-125.	0.3	3
65	Rough Set Based Variable Tolerance Attribute Selection on High-Dimensional Microarray Imbalanced Data. Data-Enabled Discovery and Applications, 2018, 2, 1.	1.2	3
66	Image texture classification using exponential curve fitting of wavelet domain singular values. , 2006, , .		3
67	Modern Speech Recognition Approaches with Case Studies. , 2012, , .		3
68	Pattern Recognition - Analysis and Applications. , 2016, , .		3
69	IMPROVED DYNAMIC CURRENT MODE LOGIC FOR LOW POWER APPLICATIONS. Journal of Circuits, Systems and Computers, 2008, 17, 183-190.	1.5	2
70	Detection of spectrum hole from n â€number of primary users using machine learning algorithms. Journal of Engineering, 2020, 2020, 175-188.	1.1	2
71	Two Step Feature Extraction Method for Microarray Cancer Data using Support Vector Machines. International Journal of Computer Applications, 2014, 85, 34-42.	0.2	2
72	Queueing models for a single server LAN with processor sharing disciplines. Computing (Vienna/New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	1

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73	A lattice type model for particulate media. International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 647-671.	3.3	1
74	Image texture classification using wavelet packet transform and probabilistic neural network. Intelligent Data Analysis, 2007, 11, 691-705.	0.9	1
75	Multi-class SVM for EEG Signal Classification Using Wavelet Based Approximate Entropy. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 335-344.	0.3	1
76	Modern Fuzzy Control Systems and Its Applications. , 2017, , .		1
77	Performance Analysis of Image Encryption Methods Using Chaotic, Multiple Chaotic and Hyper-Chaotic Maps. , 2019, , 233-265.		1
78	Entropy-Based Feature Selection for Network Intrusion Detection Systems. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 201-225.	0.5	1
79	Interconnected ring networks: a performance study. , 0, , .		0
80	Intelligent inference within objects using constraint rules. , 0, , .		0
81	Wavelet-transform-based impulsive noise removal: a smart nonlinear filtering algorithm. , 2003, , .		0
82	A Novel Wavelet Packet Transform Based Feature Extraction Algorithm For Image Texture Classification. , 2005, , .		0
83	Preface to the special issue on â€œSignal Processing Applications in Human Computer Interactionâ€. Telecommunication Systems, 2013, 52, 1409-1412.	2.5	0
84	Analysis of Computational Complexity and Power Consumption in Cloud Based Heterogeneous RAN. , 2018, , .		0
85	Introductory Chapter: Digital Image and Video Watermarking and Steganography. , 0, , .		0
86	Fuzzy Rule-Based Layered Classifier and Entropy-Based Feature Selection for Intrusion Detection System. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 289-309.	0.5	0
87	Extended Adjacent Local Binary Pattern for Texture Based Image Retrieval. Journal of Physics: Conference Series, 2021, 1767, 012043.	0.4	0
88	Resolving ownership rights of video data using visible and invisible watermarking in DWT-SVD domain. Journal of Physics: Conference Series, 2021, 1767, 012053.	0.4	0
89	Association Rule-Mining-Based Intrusion Detection System With Entropy-Based Feature Selection. , 2021, , 183-206.		0
90	ATYPICAL PRESENTATION OF GASTROINTESTINAL STROMAL TUMOURS WITH PNEUMOPERITONEUM: A CASE REPORT. Journal of Evolution of Medical and Dental Sciences, 2016, 5, 2256-2259.	0.1	0

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91	Genetic Algorithm Based Hybrid Attribute Selection Using Customized Fitness Function. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1-10.	0.5	0
92	Detection of Spectrum Hole from N-number of Primary Users using Gencluster Algorithm. Intelligent Automation and Soft Computing, 0, , -1--1.	2.1	0