

# SRamakrishnan

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

1,266  
citations

430442

18  
h-index

454577

30  
g-index

98  
all docs

98  
docs citations

98  
times ranked

1110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Speech encryption using hybrid-hyper chaotic system and binary masking technique. Multimedia Tools and Applications, 2022, 81, 6331-6349.	2.6	13
2	Entropy-Based Feature Selection for Network Intrusion Detection Systems. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 201-225.	0.4	1
3	Wavelet domain majority coupled binary pattern: a new descriptor for texture classification. Pattern Analysis and Applications, 2021, 24, 393-408.	3.1	4
4	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.	0.4	0
5	Extended Adjacent Local Binary Pattern for Texture Based Image Retrieval. Journal of Physics: Conference Series, 2021, 1767, 012043.	0.3	0
6	Seizure Detection with Local Binary Pattern and CNN Classifier. Journal of Physics: Conference Series, 2021, 1767, 012029.	0.3	6
7	Resolving ownership rights of video data using visible and invisible watermarking in DWT-SVD domain. Journal of Physics: Conference Series, 2021, 1767, 012053.	0.3	0
8	Metaheuristic Search Based Feature Selection Methods for Classification of Cancer. Pattern Recognition, 2021, 119, 108079.	5.1	34
9	Association Rule-Mining-Based Intrusion Detection System With Entropy-Based Feature Selection. , 2021, , 183-206.		0
10	Video Copyright Protection Using Chaotic Maps and Singular Value Decomposition in Wavelet Domain. IETE Journal of Research, 2020, 66, 290-302.	1.8	4
11	Wavelet domain directional binary pattern using majority principle for texture classification. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123575.	1.2	4
12	Detection of spectrum hole from n number of primary users using machine learning algorithms. Journal of Engineering, 2020, 2020, 175-188.	0.6	2
13	Differential evolution and ACO based global optimal feature selection with fuzzy rough set for cancer data classification. Soft Computing, 2020, 24, 18463-18475.	2.1	16
14	Speech encryption algorithm using FFT and 3D-Lorenz logistic chaotic map. Multimedia Tools and Applications, 2020, 79, 17817-17835.	2.6	37
15	Non-redundant frame identification and keyframe selection in DWT-PCA domain for authentication of video. IET Image Processing, 2020, 14, 366-375.	1.4	13
16	Random Global and Local Optimal Search Algorithm Based Subset Generation for Diagnosis of Cancer. Current Medical Imaging, 2020, 16, 249-261.	0.4	6
17	Association Rule-Mining-Based Intrusion Detection System With Entropy-Based Feature Selection. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 1-24.	0.4	4
18	Image Encryption Using Hyper-chaotic Map for Permutation and Diffusion by Multiple Hyper-chaotic Maps. Wireless Personal Communications, 2019, 109, 437-454.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Epileptic EEG Signal Classification using Multi-class Convolutional Neural Network. , 2019, , .		6
20	Prediction of cancer using customised fuzzy rough machine learning approaches. Healthcare Technology Letters, 2019, 6, 13-18.	1.9	17
21	Analysis of energy efficiency in cloud based heterogeneous RAN with large-scale antenna systems. Computer Networks, 2019, 149, 265-276.	3.2	4
22	Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM. Pattern Analysis and Applications, 2019, 22, 1161-1176.	3.1	32
23	An intelligent reversible watermarking system for authenticating medical images using Wavelet and PSO. Cluster Computing, 2019, 22, 4431-4442.	3.5	42
24	Testing and Analysis of Chen Chaotic Mapping for Speech Cryptography. Journal of Testing and Evaluation, 2019, 47, 3028-3040.	0.4	6
25	Performance Analysis of Image Encryption Methods Using Chaotic, Multiple Chaotic and Hyper-Chaotic Maps. , 2019, , 233-265.		1
26	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.	0.4	29
27	Fibonacci Based Key Frame Selection and Scrambling for Video Watermarking in DWTâ€“SVD Domain. Wireless Personal Communications, 2018, 102, 2011-2031.	1.8	33
28	Implementation of $2^{\{n\}}$ , $2^{\{k\}}$ , $1$ Modulo Adder Based RFID Mutual Authentication Protocol. IEEE Transactions on Industrial Electronics, 2018, 65, 626-635.	5.2	12
29	Local line directional neighborhood pattern for texture classification. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	4
30	Analysis of Computational Complexity and Power Consumption in Cloud Based Heterogeneous RAN. , 2018, , .		0
31	Speech and Audio Cryptography System using Chaotic Mapping and Modified Euler's System. , 2018, , .		4
32	Rough Set Based Variable Tolerance Attribute Selection on High-Dimensional Microarray Imbalanced Data. Data-Enabled Discovery and Applications, 2018, 2, 1.	1.2	3
33	Evolutionary sequential genetic search techniqueâ€“based cancer classification using fuzzy rough nearest neighbour classifier. Healthcare Technology Letters, 2018, 5, 130-135.	1.9	8
34	Two improved extension of local binary pattern descriptors using wavelet transform for texture classification. IET Image Processing, 2018, 12, 2002-2010.	1.4	6
35	Genetic Algorithm Based Hybrid Attribute Selection Using Customized Fitness Function. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1-10.	0.5	0
36	Attackâ€™s Feature Selection-Based Network Intrusion Detection System Using Fuzzy Control Language. International Journal of Fuzzy Systems, 2017, 19, 316-328.	2.3	18

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37	Chaotic Image Encryption with Hash Keying as Key Generator. IETE Journal of Research, 2017, 63, 172-187.	1.8	23
38	Speech encryption using chaotic shift keying for secured speech communication. Eurasip Journal on Audio, Speech, and Music Processing, 2017, 2017, .	1.3	86
39	CHAOTIC map based video watermarking using DWT and SVD. , 2017, , .		8
40	A Comparative Performance Evaluation of Supervised Feature Selection Algorithms on Microarray Datasets. Procedia Computer Science, 2017, 115, 209-217.	1.2	42
41	Hybrid information gain based fuzzy roughset feature selection in cancer microarray data. , 2017, , .		9
42	Finding expressed genes using genetic algorithm and extreme learning machines. , 2017, , .		5
43	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.	0.1	5
44	Modern Fuzzy Control Systems and Its Applications. , 2017, , .		1
45	A hybrid approach to feature selection using correlation coefficient and fuzzy rough quick reduct algorithm applied to cancer microarray data. , 2016, , .		6
46	Hierarchical multi-class SVM with ELM kernel for epileptic EEG signal classification. Medical and Biological Engineering and Computing, 2016, 54, 149-161.	1.6	84
47	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
48	Face Recognition - Semisupervised Classification, Subspace Projection and Evaluation Methods. , 2016, , .		8
49	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
50	Pattern Recognition - Analysis and Applications. , 2016, , .		3
51	Detection of Attacks for IDS using Association Rule Mining Algorithm. IETE Journal of Research, 2015, 61, 624-633.	1.8	9
52	An image encryption using chaotic permutation and diffusion. , 2014, , .		11
53	Binary classification of cancer microarray gene expression data using extreme learning machines. , 2014, , .		12
54	Optimal feature selection using PSO with SVM for epileptic EEG classification. International Journal of Biomedical Engineering and Technology, 2014, 16, 343.	0.2	5

#	ARTICLE	IF	CITATIONS
55	PERFORMANCE COMPARISON FOR INTRUSION DETECTION SYSTEM USING NEURAL NETWORK WITH KDD DATASET. ICTACT Journal on Soft Computing, 2014, 4, 743-752.	0.7	30
56	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
57	Speech emotion recognition approaches in human computer interaction. Telecommunication Systems, 2013, 52, 1467-1478.	1.6	120
58	Preface to the special issue on "Signal Processing Applications in Human Computer Interaction". Telecommunication Systems, 2013, 52, 1409-1412.	1.6	0
59	Combined Seizure Index with Adaptive Multi-Class SVM for epileptic EEG classification. , 2013, , .		4
60	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
61	Tree Based Wavelet Transform and DAG SVM for Seizure Detection. Signal and Image Processing: an International Journal, 2012, 3, 115-125.	0.2	3
62	Speech Enhancement, Modeling and Recognition- Algorithms and Applications. , 2012, , .		10
63	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.	0.2	1
64	Modern Speech Recognition Approaches with Case Studies. , 2012, , .		3
65	Semi fragile watermarking using Gaussian mixture model for malicious image attacks. , 2011, , .		8
66	Lyapunov features based EEG signal classification by multi-class SVM. , 2011, , .		6
67	Performance analysis of intrusion detection system using various neural network classifiers. , 2011, , .		21
68	A Wavelet Based Hybrid SVD Algorithm for Digital Image Watermarking. Signal and Image Processing: an International Journal, 2011, 2, 157-174.	0.2	3
69	Classification brain MR images through a fuzzy multiwavelets based GMM and probabilistic neural networks. Telecommunication Systems, 2011, 46, 245-252.	1.6	7
70	Comparative study between traditional and modified probabilistic neural networks. Telecommunication Systems, 2009, 40, 67-74.	1.6	19
71	IMPROVED DYNAMIC CURRENT MODE LOGIC FOR LOW POWER APPLICATIONS. Journal of Circuits, Systems and Computers, 2008, 17, 183-190.	1.0	2
72	SVD-Based Modeling for Image Texture Classification Using Wavelet Transformation. IEEE Transactions on Image Processing, 2007, 16, 2688-2696.	6.0	74

#	ARTICLE	IF	CITATIONS
73	Image texture classification using wavelet packet transform and probabilistic neural network. Intelligent Data Analysis, 2007, 11, 691-705.	0.4	1
74	Image texture classification using wavelet based curve fitting and probabilistic neural network. International Journal of Imaging Systems and Technology, 2007, 17, 266-275.	2.7	28
75	Multiwavelets domain singular value features for image texture classification. Journal of Zhejiang University: Science A, 2007, 8, 538-549.	1.3	8
76	Image texture classification using exponential curve fitting of wavelet domain singular values. , 2006, , .		3
77	A Novel Wavelet Packet Transform Based Feature Extraction Algorithm For Image Texture Classification. , 2005, , .		0
78	Wavelet-transform-based impulsive noise removal: a smart nonlinear filtering algorithm. , 2003, , .		0
79	A lattice type model for particulate media. International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 647-671.	1.7	1
80	Confined Concrete Subjected to Uniaxial Monotonic Loading. Journal of Engineering Mechanics - ASCE, 1998, 124, 1303-1309.	1.6	41
81	Laboratory Seismic Tests of Geotextile Wrap-Faced and Geotextile-Reinforced Segmental Retaining Walls. Geosynthetics International, 1998, 5, 55-71.	1.5	25
82	Queueing models for a single server LAN with processor sharing disciplines. Computing (Vienna/New) Tj ETQq0 0 0,rgBT /Overlock 10 Tf 3,2 1		1
83	Models for performance evaluation of a local area network with a file server. Computer Networks, 1994, 26, 493-509.	1.0	3
84	An optically activated resonant force sensor calibrated as a weighing balance. Measurement Science and Technology, 1991, 2, 549-552.	1.4	6
85	Optically Excited And Interrogated Micromechanical Silicon Cantilever Structure. Proceedings of SPIE, 1987, 0798, 61.	0.8	22
86	Interconnected ring networks: a performance study. , 0, , .		0
87	Software project management and measurement on the World-Wide-Web (WWW). , 0, , .		15
88	Intelligent inference within objects using constraint rules. , 0, , .		0
89	A comparison study of low-profile power magnetics for high-frequency, high-density switching converters. , 0, , .		14
90	Recognition of Emotion from Speech: A Review. , 0, , .		34

#	ARTICLE	IF	CITATIONS
91	Introductory Chapter: Digital Image and Video Watermarking and Steganography. , 0, , .		0
92	Detection of Spectrum Hole from N-number of Primary Users using Gencluster Algorithm. Intelligent Automation and Soft Computing, 0, , -1-1.	1.6	0