

Seba Susan

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,136
citations

516215

16
h-index

525886

27
g-index

91
all docs

91
docs citations

91
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy rule based unsupervised sentiment analysis from social media posts. Expert Systems With Applications, 2019, 138, 112834.	4.4	123
2	Deep transfer with minority data augmentation for imbalanced breast cancer dataset. Applied Soft Computing Journal, 2020, 97, 106759.	4.1	76
3	Automatic texture defect detection using Gaussian mixture entropy modeling. Neurocomputing, 2017, 239, 232-237.	3.5	70
4	COVID-19 Pandemic Prediction using Time Series Forecasting Models. , 2020, , .		59
5	Color segmentation by fuzzy co-clustering of chrominance color features. Neurocomputing, 2013, 120, 235-249.	3.5	48
6	SSO Maj $SMOTE$	4.1	46
7	A Simple Single Seeded Region Growing Algorithm for Color Image Segmentation using Adaptive Thresholding. , 2011, , .		43
8	A non-extensive entropy feature and its application to texture classification. Neurocomputing, 2013, 120, 214-225.	3.5	43
9	Particle swarm optimization of partitions and fuzzy order for fuzzy time series forecasting of COVID-19. Applied Soft Computing Journal, 2021, 110, 107611.	4.1	41
10	New shape descriptor in the context of edge continuity. CAAI Transactions on Intelligence Technology, 2019, 4, 101-109.	3.4	35
11	The balancing trick: Optimized sampling of imbalanced datasetsâ€™A brief survey of the recent State of the Art. Engineering Reports, 2021, 3, e12298.	0.9	35
12	Highlighting keyphrases using senti-scoring and fuzzy entropy for unsupervised sentiment analysis. Expert Systems With Applications, 2021, 169, 114323.	4.4	27
13	Unsupervised detection of nonlinearity in motion using weighted average of non-extensive entropies. Signal, Image and Video Processing, 2015, 9, 511-525.	1.7	23
14	Finding significant keywords for document databases by two-phase Maximum Entropy Partitioning. Pattern Recognition Letters, 2019, 125, 195-205.	2.6	23
15	Data Augmentation of Minority Class with Transfer Learning for Classification of Imbalanced Breast Cancer Dataset Using Inception-V3. Lecture Notes in Computer Science, 2019, , 409-420.	1.0	22
16	Inferring Sentiments from Supervised Classification of Text and Speech cues using Fuzzy Rules. Procedia Computer Science, 2020, 167, 1370-1379.	1.2	21
17	Fuzzy match index for scaleâ€invariant feature transform (SIFT) features with application to face recognition with weak supervision. IET Image Processing, 2015, 9, 951-958.	1.4	19
18	Sentiment Cognition From Words Shortlisted by Fuzzy Entropy. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 541-550.	2.6	19

#	ARTICLE	IF	CITATIONS
19	An adaptive single seed based region growing algorithm for color image segmentation. , 2013, , .		18
20	Difference theoretic feature set for scaleâ€¢, illuminationâ€¢and rotationâ€¢invariant texture classification. IET Image Processing, 2013, 7, 725-732.	1.4	17
21	Fuzzy Interpretation of Word Polarity Scores for Unsupervised Sentiment Analysis. , 2020, , .		16
22	A Fuzzy Nearest Neighbor Classifier for Speaker Identification. , 2012, , .		15
23	Bag-of-Visual-Words codebook generation using deep features for effective classification of imbalanced multi-class image datasets. Multimedia Tools and Applications, 2021, 80, 20821-20847.	2.6	14
24	Text area segmentation from document images by novel adaptive thresholding and template matching using texture cues. Pattern Analysis and Applications, 2020, 23, 869-881.	3.1	11
25	An Empathetic Conversational Agent with Attentional Mechanism. , 2021, , .		11
26	Dynamic Growth of Hidden-Layer Neurons Using the Non-extensive Entropy. , 2014, , .		9
27	Unsupervised Fuzzy Inference System for Speech Emotion Recognition using audio and text cues (Workshop Paper). , 2020, , .		9
28	Neuro-fuzzy network incorporating multiple lexicons for social sentiment analysis. Soft Computing, 2022, 26, 4487-4507.	2.1	9
29	Decoding facial expressions using a new normalized similarity index. , 2015, , .		8
30	Hybrid of Intelligent Minority Oversampling and PSO-Based Intelligent Majority Undersampling for Learning from Imbalanced Datasets. Advances in Intelligent Systems and Computing, 2020, , 760-769.	0.5	8
31	CW-CAE: Pulmonary Nodule Detection from Imbalanced Dataset Using Class-Weighted Convolutional Autoencoder. Advances in Intelligent Systems and Computing, 2021, , 825-833.	0.5	8
32	Object Recognition from Color Images by Fuzzy Classification of Gabor Wavelet Features. , 2013, , .		7
33	Comparison of Deep Learning, Data Augmentation and Bag of-Visual-Words for Classification of Imbalanced Image Datasets. Communications in Computer and Information Science, 2019, , 561-571.	0.4	7
34	Recognising Devanagari Script by Deep Structure Learning of Image Quadrants. DESIDOC Journal of Library and Information Technology, 2020, 40, 268-271.	0.3	7
35	On the discriminative power of different feature subsets for handwritten numeral recognition using the box-partitioning method. , 2011, , .		6
36	A Supervised Fuzzy Eye Pair Detection Algorithm. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
37	A novel Fuzzy Entropy based on the Non-Extensive entropy and its application for feature selection. , 2013, , .		6
38	Smaller feature subset selection for real-world datasets using a new mutual information with Gaussian gain. Multidimensional Systems and Signal Processing, 2019, 30, 1469-1488.	1.7	6
39	Learning Interpretable Hidden State Structures for Handwritten Numeral Recognition. , 2020, , .		6
40	Context- and sequence-aware convolutional recurrent encoder for neural machine translation. , 2021, , .		6
41	Evaluating Deep Neural Network Ensembles by Majority Voting Cum Meta-Learning Scheme. Advances in Intelligent Systems and Computing, 2022, , 29-37.	0.5	6
42	Neural Net Optimization by Weight-Entropy Monitoring. Advances in Intelligent Systems and Computing, 2019, , 201-213.	0.5	6
43	DST-ML-EkNN: Data Space Transformation with Metric Learning and Elite k-Nearest Neighbor Cluster Formation for Classification of Imbalanced Datasets. Advances in Intelligent Systems and Computing, 2021, , 319-328.	0.5	6
44	Emotion-Aware Transformer Encoder for Empathetic Dialogue Generation. , 2021, , .		6
45	Fuzzy Min-Max Neural Networks for Business Intelligence. , 2013, , .		5
46	3D-Difference Theoretic Texture Features for dynamic face recognition. , 2016, , .		5
47	Measuring the randomness of speech cues for emotion recognition. , 2017, , .		5
48	Color texture recognition by color information fusion using the non-extensive entropy. Multidimensional Systems and Signal Processing, 2018, 29, 1269-1284.	1.7	5
49	Global-best optimization of ANN trained by PSO using the non-extensive cross-entropy with Gaussian gain. Soft Computing, 2020, 24, 18219-18231.	2.1	5
50	Aspect-Based Unsupervised Negative Sentiment Analysis. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 335-344.	0.5	5
51	Learning image by-parts using early and late fusion of auto-encoder features. Multimedia Tools and Applications, 2021, 80, 29601-29615.	2.6	5
52	Detection of skin lesions by fuzzy entropy based texel identification. , 2009, , .		4
53	Object Segmentation by an Automatic Edge Constrained Region Growing Technique. , 2012, , .		4
54	Fuzzy C-means with non-extensive entropy regularization. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
55	Image coding based on maximum entropy partitioning for identifying improbable intensities related to facial expressions. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 1393-1406.	0.8	4
56	Binary clustering of color images by fuzzy co-clustering with non-extensive entropy regularization. , 2016, , .		4
57	Learning Data Space Transformation Matrix from Pruned Imbalanced Datasets for Nearest Neighbor Classification. , 2019, , .		4
58	Data Mining with Association Rules for Scheduling Open Elective Courses Using Optimization Algorithms. Advances in Intelligent Systems and Computing, 2020, , 770-778.	0.5	4
59	Improving Word Recognition in Speech Transcriptions by Decision-Level Fusion of Stemming and Two-Way Phoneme Pruning. Communications in Computer and Information Science, 2021, , 256-266.	0.4	4
60	Speaker Recognition Using SincNet and X-Vector Fusion. Lecture Notes in Computer Science, 2020, , 252-260.	1.0	4
61	Edge Strength based Fuzzification of Colour Demosaicking Algorithms. Defence Science Journal, 2014, 64, 48-54.	0.5	4
62	Statistical Keyword Matching using Automata. International Journal of Applied Research on Information Technology and Computing, 2014, 5, 250.	0.1	4
63	Transfer Learning by Deep Tuning of Pre-trained Networks for Pulmonary Nodule Detection. , 2020, , .		4
64	Finding the most informational friends in a Social Network based Recommender System. , 2015, , .		3
65	Speed and trajectory based sports event categorization from videos. , 2016, , .		3
66	A Novel Framework for Neural Architecture Search in the Hill Climbing Domain. , 2019, , .		3
67	A Novel Memetic Algorithm Incorporating Greedy Stochastic Local Search Mutation for Course Scheduling. , 2019, , .		3
68	Weakly Supervised Metric Learning with Majority Classes for Large Imbalanced Image Dataset. , 2020, , .		3
69	Kullback-Leibler Divergence based Marker Detection in Augmented Reality. , 2018, , .		2
70	Single-Keyword based Document Segregation using Logistic Regression regularized by Bacterial Foraging. , 2018, , .		2
71	Vegetation-Specific Hyperspectral Band Selection for Binary-to-Multiclass Classification. , 2019, , .		2
72	CNN Pre-initialization by Minimalistic Part-Learning for Handwritten Numeral Recognition. Lecture Notes in Computer Science, 2020, , 320-329.	1.0	2

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73	Segmentation of Dark Foreground Objects by Maximum Non-Extensive Entropy Partitioning. International Journal of Applied Research on Information Technology and Computing, 2018, 9, 67.	0.1	2
74	Optimal Gene Selection and Classification of Microarray Data Using Fuzzy Min-Max Neural Network with LASSO. Lecture Notes in Networks and Systems, 2022, , 777-784.	0.5	2
75	Cyclone Frame Prediction by Gaussian Mixture Modeling of the Three Penultimate Time-Lapse Frames. Journal of the Indian Society of Remote Sensing, 2017, 45, 899-901.	1.2	1
76	Weighted Ensemble of Neural and Probabilistic Graphical Models for Click Prediction. , 2021, , .		1
77	Quantitative EEG Feature Selection by Majority Voting for Alcohol Use Disorder Detection. , 2021, , .		1
78	A Hybrid Model for Combining Neural Image Caption and k-Nearest Neighbor Approach for Image Captioning. Advances in Intelligent Systems and Computing, 2022, , 51-59.	0.5	1
79	Human Attention Span Modeling using 2D Visualization Plots for Gaze Progression and Gaze Sustainance. , 2019, , .		1
80	Shadow Detection using GAN with Residual CNN Discriminator. , 2020, , .		1
81	Dynamic Topic Modeling of Covid-19 Vaccine-Related Tweets. , 2022, , .		1
82	Clustering Analysis for Newsgroup Classification. Lecture Notes in Networks and Systems, 2022, , 271-279.	0.5	1
83	Scene Text Recognition in the Wild with Motion Deblurring Using Deep Networks. Communications in Computer and Information Science, 2021, , 93-103.	0.4	0
84	Shadow Detection Using DenseUNet. Advances in Intelligent Systems and Computing, 2021, , 159-168.	0.5	0
85	Facial Expression Recognition from 3D Facial Landmarks Reconstructed from Images. , 2020, , .		0