

# 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  | Evaluating Deep Neural Network Ensembles by Majority Voting Cum Meta-Learning Scheme. Advances in Intelligent Systems and Computing, 2022, , 29-37.  | 0.5 | 6         |
| 2  | 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         |
| 3  | Neuro-fuzzy network incorporating multiple lexicons for social sentiment analysis. Soft Computing, 2022, 26, 4487-4507.  | 2.1 | 9         |
| 4  | Dynamic Topic Modeling of Covid-19 Vaccine-Related Tweets. , 2022, , .   |     | 1         |
| 5  | 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         |
| 6  | Clustering Analysis for Newsgroup Classification. Lecture Notes in Networks and Systems, 2022, , 271-279.  | 0.5 | 1         |
| 7  | The balancing trick: Optimized sampling of imbalanced <scp>datasetsâ€™A</scp> brief survey of the recent State of the Art. Engineering Reports, 2021, 3, e12298.                             | 0.9 | 35        |
| 8  | Highlighting keyphrases using senti-scoring and fuzzy entropy for unsupervised sentiment analysis. Expert Systems With Applications, 2021, 169, 114323.                                      | 4.4 | 27        |
| 9  | An Empathetic Conversational Agent with Attentional Mechanism. , 2021, , .   |     | 11        |
| 10 | Scene Text Recognition in the Wild with Motion Deblurring Using Deep Networks. Communications in Computer and Information Science, 2021, , 93-103.   | 0.4 | 0         |
| 11 | Aspect-Based Unsupervised Negative Sentiment Analysis. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 335-344.   | 0.5 | 5         |
| 12 | 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         |
| 13 | Context- and sequence-aware convolutional recurrent encoder for neural machine translation. , 2021, , .  |     | 6         |
| 14 | 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        |
| 15 | Weighted Ensemble of Neural and Probabilistic Graphical Models for Click Prediction. , 2021, , .   |     | 1         |
| 16 | Learning image by-parts using early and late fusion of auto-encoder features. Multimedia Tools and Applications, 2021, 80, 29601-29615.  | 2.6 | 5         |
| 17 | Quantitative EEG Feature Selection by MajorityVoting for Alcohol Use Disorder Detection. , 2021, , .   |     | 1         |
| 18 | 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Shadow Detection Using DenseUNet. Advances in Intelligent Systems and Computing, 2021, , 159-168.   | 0.5 | 0         |
| 20 | 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         |
| 21 | 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         |
| 22 | Emotion-Aware Transformer Encoder for Empathetic Dialogue Generation. , 2021, , .   |     | 6         |
| 23 | 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         |
| 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 | 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         |
| 26 | Sentiment Cognition From Words Shortlisted by Fuzzy Entropy. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 541-550.   | 2.6 | 19        |
| 27 | Deep transfer with minority data augmentation for imbalanced breast cancer dataset. Applied Soft Computing Journal, 2020, 97, 106759.   | 4.1 | 76        |
| 28 | COVID-19 Pandemic Prediction using Time Series Forecasting Models. , 2020, , .  |     | 59        |
| 29 | Unsupervised Fuzzy Inference System for Speech Emotion Recognition using audio and text cues (Workshop Paper). , 2020, , .  |     | 9         |
| 30 | Fuzzy Interpretation of Word Polarity Scores for Unsupervised Sentiment Analysis. , 2020, , .   |     | 16        |
| 31 | Inferring Sentiments from Supervised Classification of Text and Speech cues using Fuzzy Rules. Procedia Computer Science, 2020, 167, 1370-1379.   | 1.2 | 21        |
| 32 | Learning Interpretable Hidden State Structures for Handwritten Numeral Recognition. , 2020, , .   |     | 6         |
| 33 | 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         |
| 34 | Speaker Recognition Using SincNet and X-Vector Fusion. Lecture Notes in Computer Science, 2020, , 252-260.  | 1.0 | 4         |
| 35 | CNN Pre-initialization by Minimalistic Part-Learning for Handwritten Numeral Recognition. Lecture Notes in Computer Science, 2020, , 320-329.   | 1.0 | 2         |
| 36 | Weakly Supervised Metric Learning with Majority Classes for Large Imbalanced Image Dataset. , 2020, , .   |     | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Recognising Devanagari Script by Deep Structure Learning of Image Quadrants. DESIDOC Journal of Library and Information Technology, 2020, 40, 268-271.                                       | 0.3 | 7         |
| 38 | Facial Expression Recognition from 3D Facial Landmarks Reconstructed from Images. , 2020, , .  |     | 0         |
| 39 | Transfer Learning by Deep Tuning of Pre-trained Networks for Pulmonary Nodule Detection. , 2020, , .   |     | 4         |
| 40 | Shadow Detection using GAN with Residual CNN Discriminator. , 2020, , .  |     | 1         |
| 41 | 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         |
| 42 | A Novel Framework for Neural Architecture Search in the Hill Climbing Domain. , 2019, , .  |     | 3         |
| 43 | New shape descriptor in the context of edge continuity. CAAI Transactions on Intelligence Technology, 2019, 4, 101-109.  | 3.4 | 35        |
| 44 | Fuzzy rule based unsupervised sentiment analysis from social media posts. Expert Systems With Applications, 2019, 138, 112834.   | 4.4 | 123       |
| 45 | 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         |
| 46 | Finding significant keywords for document databases by two-phase Maximum Entropy Partitioning. Pattern Recognition Letters, 2019, 125, 195-205.  | 2.6 | 23        |
| 47 | <a href="https://www.w3.org/1998/Math/MathML" style="color: yellow;">https://www.w3.org/1998/Math/MathML</a> $<math>SSO</math>$ $<math>Maj</math>$ $<math>-SMOTE</math>$ $<math>SSO</math>$  | 4.1 | 46        |
| 48 | Vegetation-Specific Hyperspectral Band Selection for Binary-to-Multiclass Classification. , 2019, , .  |     | 2         |
| 49 | A Novel Memetic Algorithm Incorporating Greedy Stochastic Local Search Mutation for Course Scheduling. , 2019, , .   |     | 3         |
| 50 | Learning Data Space Transformation Matrix from Pruned Imbalanced Datasets for Nearest Neighbor Classification. , 2019, , .   |     | 4         |
| 51 | 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        |
| 52 | Neural Net Optimization by Weight-Entropy Monitoring. Advances in Intelligent Systems and Computing, 2019, , 201-213.  | 0.5 | 6         |
| 53 | Human Attention Span Modeling using 2D Visualization Plots for Gaze Progression and Gaze Sustainance. , 2019, , .  |     | 1         |
| 54 | Color texture recognition by color information fusion using the non-extensive entropy. Multidimensional Systems and Signal Processing, 2018, 29, 1269-1284.                                  | 1.7 | 5         |

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|----|--|-----|-----------|
| 55 | Kullback-Leibler Divergence based Marker Detection in Augmented Reality. , 2018, , .   |     | 2         |
| 56 | Single-Keyword based Document Segregation using Logistic Regression regularized by Bacterial Foraging. , 2018, , .   |     | 2         |
| 57 | 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         |
| 58 | Automatic texture defect detection using Gaussian mixture entropy modeling. Neurocomputing, 2017, 239, 232-237.  | 3.5 | 70        |
| 59 | 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         |
| 60 | Measuring the randomness of speech cues for emotion recognition. , 2017, , .   |     | 5         |
| 61 | 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         |
| 62 | 3D-Difference Theoretic Texture Features for dynamic face recognition. , 2016, , .   |     | 5         |
| 63 | Speed and trajectory based sports event categorization from videos. , 2016, , .  |     | 3         |
| 64 | Binary clustering of color images by fuzzy co-clustering with non-extensive entropy regularization. , 2016, , .  |     | 4         |
| 65 | Decoding facial expressions using a new normalized similarity index. , 2015, , .   |     | 8         |
| 66 | Finding the most informational friends in a Social Network based Recommender System. , 2015, , .   |     | 3         |
| 67 | Fuzzy C-means with non-extensive entropy regularization. , 2015, , .   |     | 4         |
| 68 | 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        |
| 69 | 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        |
| 70 | Dynamic Growth of Hidden-Layer Neurons Using the Non-extensive Entropy. , 2014, , .  |     | 9         |
| 71 | Edge Strength based Fuzzification of Colour Demosaicking Algorithms. Defence Science Journal, 2014, 64, 48-54.   | 0.5 | 4         |
| 72 | Statistical Keyword Matching using Automata. International Journal of Applied Research on Information Technology and Computing, 2014, 5, 250.  | 0.1 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | A non-extensive entropy feature and its application to texture classification. Neurocomputing, 2013, 120, 214-225.                              | 3.5 | 43        |
| 74 | A Supervised Fuzzy Eye Pair Detection Algorithm. , 2013, , .  |     | 6         |
| 75 | An adaptive single seed based region growing algorithm for color image segmentation. , 2013, , .  |     | 18        |
| 76 | Color segmentation by fuzzy co-clustering of chrominance color features. Neurocomputing, 2013, 120, 235-249.                                    | 3.5 | 48        |
| 77 | Fuzzy Min-Max Neural Networks for Business Intelligence. , 2013, , .  |     | 5         |
| 78 | Object Recognition from Color Images by Fuzzy Classification of Gabor Wavelet Features. , 2013, , .   |     | 7         |
| 79 | Difference theoretic feature set for scale, illumination and rotation invariant texture classification. IET Image Processing, 2013, 7, 725-732. | 1.4 | 17        |
| 80 | A novel Fuzzy Entropy based on the Non-Extensive entropy and its application for feature selection. , 2013, , .                                 |     | 6         |
| 81 | A Fuzzy Nearest Neighbor Classifier for Speaker Identification. , 2012, , .   |     | 15        |
| 82 | Object Segmentation by an Automatic Edge Constrained Region Growing Technique. , 2012, , .  |     | 4         |
| 83 | On the discriminative power of different feature subsets for handwritten numeral recognition using the box-partitioning method. , 2011, , .     |     | 6         |
| 84 | A Simple Single Seeded Region Growing Algorithm for Color Image Segmentation using Adaptive Thresholding. , 2011, , .                           |     | 43        |
| 85 | Detection of skin lesions by fuzzy entropy based texel identification. , 2009, , .  |     | 4         |