# Suyanto Suyanto

List of Publications by Year
in descending order

| 92 | 970 | 623734 | 642732 |
|---|---|---|---|
| papers | citations | 14 | 23 |
| | | h-index | g-index |

| 94 | 94 | 94 | 282 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Evolutionary Discrete Firefly Algorithm for Travelling Salesman Problem. Lecture Notes in Computer Science, 2011, , 393-403. | 1.3 | 123 |
| 2 | Melanoma Cancer Classification Using ResNet with Data Augmentation. , 2019, , . | | 40 |
| 3 | Indonesian Abstractive Text Summarization Using Bidirectional Gated Recurrent Unit. Procedia Computer Science, 2019, 157, 581-588. | 2.0 | 33 |
| 4 | Indonesian Chatbot of University Admission Using a Question Answering System Based on Sequence-to-Sequence Model. Procedia Computer Science, 2019, 157, 367-374. | 2.0 | 32 |
| 5 | Isolated Word Recognition Using Ergodic Hidden Markov Models and Genetic Algorithm. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 129. | 0.8 | 32 |
| 6 | Generating Image Description on Indonesian Language using Convolutional Neural Network and Gated Recurrent Unit. , 2019, , . | | 29 |
| 7 | Detection of oil palm leaf disease based on color histogram and supervised classifier. Optik, 2021, 245, 167753. | 2.9 | 27 |
| 8 | Komodo Mlipir Algorithm. Applied Soft Computing Journal, 2022, 114, 108043. | 7.2 | 26 |
| 9 | New Reward-Based Movement to Improve Globally-Evolved BCO in Nurse Rostering Problem. , 2019, , . | | 24 |
| 10 | Discrete Firefly Algorithm for an Examination Timetabling. , 2019, , . | | 24 |
| 11 | Clustering Nodes and Discretizing Movement to Increase the Effectiveness of HEFA for a CVRP. International Journal of Advanced Computer Science and Applications, 2020, 11, . | 0.7 | 24 |
| 12 | Discrete Firefly Algorithm for Traveling Salesman Problem. , 2013, , 295-312. | | 23 |
| 13 | Indonesian syllabification using a pseudo nearest neighbour rule and phonotactic knowledge. Speech Communication, 2016, 85, 109-118. | 2.8 | 22 |
| 14 | Automatic Segmentation of Indonesian Speech into Syllables using Fuzzy Smoothed Energy Contour with Local Normalization, Splitting, and Assimilation. Journal of ICT Research and Applications, 2014, 8, 97-112. | 0.8 | 21 |
| 15 | Indonesian graphemic syllabification using a nearest neighbour classifier and recovery procedure. International Journal of Speech Technology, 2019, 22, 13-20. | 2.2 | 20 |
| 16 | Image-Based Classification of Snake Species Using Convolutional Neural Network. , 2019, , . | | 20 |
| 17 | Hyperparameter Setting of LSTM-based Language Model using Grey Wolf Optimizer. , 2020, , . | | 20 |
| 18 | The Impact of Local Attention in LSTM for Abstractive Text Summarization. , 2019, , . | | 19 |

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| 19 | Voting-Based Music Genre Classification Using Melspectogram and Convolutional Neural Network. , 2019, , . | | 19 |
| 20 | Flipping onsets to enhance syllabification. International Journal of Speech Technology, 2019, 22, 1031-1038. | 2.2 | 18 |
| 21 | Optimizing Parameters of Automatic Speech Segmentation into Syllable Units. International Journal of Intelligent Systems and Applications, 2019, 11, 9-17. | 1.1 | 17 |
| 22 | End-to-End Speech Recognition Models for a Low-Resourced Indonesian Language. , 2020, , . | | 15 |
| 23 | An Informed Genetic Algorithm for University Course and Student Timetabling Problems. Lecture Notes in Computer Science, 2010, , 229-236. | 1.3 | 15 |
| 24 | Segmentation technique and dynamic ensemble selection to enhance glaucoma severity detection. Computers in Biology and Medicine, 2021, 139, 104951. | 7.0 | 15 |
| 25 | Segment Repetition Based on High Amplitude to Enhance a Speech Emotion Recognition. Procedia Computer Science, 2019, 157, 420-426. | 2.0 | 13 |
| 26 | Phonological similarity-based backoff smoothing to boost a bigram syllable boundary detection. International Journal of Speech Technology, 2020, 23, 191-204. | 2.2 | 13 |
| 27 | Nearest Neighbor-Based Indonesian G2P Conversion. Telkomnika (Telecommunication Computing) Tj ETQq1 1 0.784314 rgBT /Overlo | 0.8 | 13 |
| 28 | Incorporating syllabification points into a model of grapheme-to-phoneme conversion. International Journal of Speech Technology, 2019, 22, 459-470. | 2.2 | 12 |
| 29 | SpecAugment Impact on Automatic Speaker Verification System. , 2019, , . | | 12 |
| 30 | Variable-Length Chromosome for Optimizing the Structure of Recurrent Neural Network. , 2020, , . | | 12 |
| 31 | Firefly Algorithm-based Hyperparameters Setting of DRNN for Weather Prediction. , 2020, , . | | 12 |
| 32 | Evolutionary Rao algorithm. Journal of Computational Science, 2021, 53, 101368. | 2.9 | 12 |
| 33 | Maturity Grading of Oil Palm Fresh Fruit Bunches Based on a Machine Learning Approach. , 2020, , . | | 11 |
| 34 | A new nearest neighbor-based framework for diabetes detection. Expert Systems With Applications, 2022, 199, 116857. | 7.6 | 11 |
| 35 | Deep Residual Neural Network for Age Classification with Face Image. , 2019, , . | | 10 |
| 36 | Synonyms-Based Augmentation to Improve Fake News Detection using Bidirectional LSTM. , 2020, , . | | 10 |

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| 37 | Speech Gender Classification Using Bidirectional Long Short Term Memory. , 2020, , . | | 10 |
| 38 | Developing a Complete Dialogue System Using Long Short-Term Memory. , 2019, , . | | 9 |
| 39 | Typographic-Based Data Augmentation to Improve a Question Retrieval in Short Dialogue System. , 2019, , . | | 8 |
| 40 | Classification of Cervical Type Image Using Capsule Networks. , 2019, , . | | 8 |
| 41 | Human-Like Constrained-Mating to Make Genetic Algorithm More Explorative. , 2020, , . | | 8 |
| 42 | Exploration-Exploitation Balanced Krill Herd Algorithm for Thesis Examination Timetabling. , 2020, , . | | 7 |
| 43 | Speech Age-Gender Classification Using Long Short-Term Memory. , 2020, , . | | 7 |
| 44 | Removing Unvoiced Segment to Improve Text Independent Speaker Recognition. , 2019, , . | | 6 |
| 45 | Syllable-Based Indonesian Lip Reading Model. , 2020, , . | | 6 |
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| 47 | Hierarchical SVM-kNN to Classify Music Emotion. , 2019, , . | | 5 |
| 48 | optimizing BTS Placement Using Hybrid Evolutionary Firefly Algorithm. , 2020, , . | | 5 |
| 49 | Pixel quantification and color feature extraction on leaf images for oil palm disease identification. , 2021, , . | | 5 |
| 50 | Modified Least-to-Most Greedy Algorithm to Search a Minimum Sentence Set. , 2006, , . | | 4 |
| 51 | Data Augmentation Methods for Low-Resource Orthographic Syllabification. IEEE Access, 2020, 8, 147399-147406. | 4.2 | 4 |
| 52 | Signal energy-based automatic speech splitter: a tool for developing speech corpus. , 2007, , . | | 3 |
| 53 | Developing an LSTM-based Classification Model of IndiHome Customer Feedbacks. , 2020, , . | | 3 |
| 54 | Detection of Disease in Citrus Plants through Leaf Images using a Convolutional Neural Network. , 2021, , . | | 3 |

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| 55 | Augmented words to improve a deep learning-based Indonesian syllabification. Heliyon, 2021, 7, e08115. | 3.2 | 3 |
| 56 | Improving Stance-based Fake News Detection using BERT Model with Synonym Replacement and Random Swap Data Augmentation Technique. , 2021, , . | | 3 |
| 57 | Generating Music with Emotion Using Transformer. , 2021, , . | | 3 |
| 58 | Multi-Class Peripapillary Atrophy for Detecting Glaucoma in Retinal Fundus Image. , 2019, , . | | 2 |
| 59 | The Impact of Low-Pass Filter in Speaker Identification. , 2019, , . | | 2 |
| 60 | Indonesian Graphemic Syllabification Using n-Gram Tagger with State-Elimination. , 2020, , . | | 2 |
| 61 | Indonesian Phonemicization Model Using N- Gram-Based Bidirectional Long Short-Term Memory. , 2020, , . | | 2 |
| 62 | Comparative Study of Recent Swarm Algorithms for Continuous Optimization. Procedia Computer Science, 2021, 179, 685-695. | 2.0 | 2 |
| 63 | Robustness of Convolutional Neural Network in Classifying Apple Images. , 2021, , . | | 2 |
| 64 | Strawberry Diseases Identification From Its Leaf Images Using Convolutional Neural Network. , 2021, , . | | 2 |
| 65 | Combined Firefly Algorithm-Random Forest to Classify Autistic Spectrum Disorders. , 2020, , . | | 2 |
| 66 | Removing Noise, Reducing dimension, and Weighting Distance to Enhance $k$-Nearest Neighbors for Diabetes Classification. , 2020, , . | | 2 |
| 67 | Topic-Based Tweet Clustering for Public Figures Using Ant Clustering. , 2020, , . | | 2 |
| 68 | Comparison of PSO, FA, and BA for Discrete Optimization Problems. , 2020, , . | | 2 |
| 69 | Firefly Algorithm-based Optimization of Base Transceiver Station Placement. , 2020, , . | | 2 |
| 70 | DCT-based Visual Feature Extraction for Indonesian Audiovisual Speech Recognition. , 2020, , . | | 1 |
| 71 | Music Source Separation Using Generative Adversarial Network and U-Net. , 2020, , . | | 1 |
| 72 | Lifelong Learning for Dynamic Churn Prediction. , 2020, , . | | 1 |

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| 73 | Syllabification Model of Indonesian Language Named-Entity Using Syntactic n-Gram. Procedia Computer Science, 2021, 179, 721-727. | 2.0 | 1 |
| 74 | Detecting and Counting Tuberculosis Bacilli in a Microscopic Image of Patient Sputum Using Gaussian Mixture Model. , 2021, , . | | 1 |
| 75 | Authenticity and Nominal Detection of Indonesian Banknotes Using ROI and CNN. , 2021, , . | | 1 |
| 76 | Tomato Plant Disease Identification through Leaf Image using Convolutional Neural Network. , 2021, , . | | 1 |
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| 79 | Syllable-Based Indonesian Automatic Speech Recognition. International Journal on Electrical Engineering and Informatics, 2020, 12, 720-728. | 0.5 | 1 |
| 80 | Discretizing Whale Optimization Algorithm to Optimize a Long Short-Term Memory. , 2020, , . | | 1 |
| 81 | Stemming for Better Indonesian Text-to-Phoneme. Ampersand, 2022, 9, 100083. | 1.4 | 1 |
| 82 | Language Modeling for Journalistic Robot based on Generative Pretrained Transformer 2. , 2020, , . | | 0 |
| 83 | Leveraging CNN and Bi-LSTM in Indonesian G2P Using Transformer. , 2021, , . | | 0 |
| 84 | Optimization of Aircraft Flight Scheduling and Routing Problem Using Multi-Objective Antlion Optimization. , 2021, , . | | 0 |
| 85 | Nearest Neighbor-Based Indonesian G2P Conversion. Telkomnika (Telecommunication Computing) Tj ETQq1 1 0.784314 rgBT /Overlock | 0.8 | 0 |
| 86 | Automatic Segmented-Syllable and Deep Learning-Based Indonesian Audiovisual Speech Recognition. , 2020, , . | | 0 |
| 87 | Detection of Multi-Class Glaucoma Using Active Contour Snakes and Support Vector Machine. , 2020, , . | | 0 |
| 88 | Royale Heroes: A Unique RTS Game Using Deep Reinforcement Learning-based Autonomous Movement. , 2020, , . | | 0 |
| 89 | HUM-TO-CHORD CONVERSION USING CHROMA FEATURES AND HIDDEN MARKOV MODEL. International Journal of Computing, 0, , 555-560. | 1.5 | 0 |
| 90 | Speech Emotion Detection Using Mel-Frequency Cepstral Coefficient and Hidden Markov Model. , 2020, , . | | 0 |

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| 91 | Text-Independent Speaker Identification Using PCA-SVM Model. , 2020, , . | | 0 |
| 92 | Improved Residual Neural Network for Breast Cancer Classification. , 2020, , . | | 0 |