

Romi Fadillah Rahmat

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

484
citations

933447

10
h-index

1125743

13
g-index

100
all docs

100
docs citations

100
times ranked

318
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Skin color segmentation using multi-color space threshold. , 2016, , . | | 29 |
| 2 | Real time monitoring system for water pollution in Lake Toba. , 2016, , . | | 20 |
| 3 | Comparison of Exponential Smoothing Methods in Forecasting Palm Oil Real Production. Journal of Physics: Conference Series, 2017, 801, 012004. | 0.4 | 19 |
| 4 | Automatic Text Summarization for Indonesian Language Using TextTeaser. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012048. | 0.6 | 18 |
| 5 | Scheduling Diet for Diabetes Mellitus Patients using Genetic Algorithm. Journal of Physics: Conference Series, 2017, 801, 012033. | 0.4 | 15 |
| 6 | Method of calculation overall equipment effectiveness in fertilizer factory. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012053. | 0.6 | 15 |
| 7 | Analysis of DICOM Image Compression Alternative Using Huffman Coding. Journal of Healthcare Engineering, 2019, 2019, 1-11. | 1.9 | 15 |
| 8 | Water Pipeline Monitoring and Leak Detection using Flow Liquid Meter Sensor. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012036. | 0.6 | 14 |
| 9 | Hypertensive retinopathy identification through retinal fundus image using backpropagation neural network. Journal of Physics: Conference Series, 2018, 978, 012106. | 0.4 | 12 |
| 10 | Breast cancer identification on digital mammogram using Evolving Connectionist Systems. , 2016, , . | | 10 |
| 11 | Noise Reduction in Breath Sound Files Using Wavelet Transform Based Filter. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012040. | 0.6 | 10 |
| 12 | Adaptive neuro-fuzzy inference system for forecasting rubber milk production. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012014. | 0.6 | 10 |
| 13 | The edge detection enhancement on satellite image using bilateral filter. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012052. | 0.6 | 10 |
| 14 | Fish Species Classification Using Probabilistic Neural Network. Journal of Physics: Conference Series, 2019, 1235, 012094. | 0.4 | 10 |
| 15 | The morphological classification of normal and abnormal red blood cell using Self Organizing Map. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012015. | 0.6 | 9 |
| 16 | Filtering Spam Text Messages by Using Twitter-LDA Algorithm. , 2018, , . | | 9 |
| 17 | Automated color classification of urine dipstick image in urine examination. Journal of Physics: Conference Series, 2018, 978, 012008. | 0.4 | 8 |
| 18 | An initial study of deep learning for mangrove classification. IOP Conference Series: Materials Science and Engineering, 0, 420, 012093. | 0.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Determination of quality television programmes based on sentiment analysis on Twitter. Journal of Physics: Conference Series, 2018, 978, 012117. | 0.4 | 8 |
| 20 | Korean letter handwritten recognition using deep convolutional neural network on android platform. Journal of Physics: Conference Series, 2018, 978, 012112. | 0.4 | 8 |
| 21 | Red onion growth monitoring system in hydroponics environment. Journal of Physics: Conference Series, 2019, 1235, 012117. | 0.4 | 8 |
| 22 | Advertisement billboard detection and geotagging system with inductive transfer learning in deep convolutional neural network. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 2659. | 0.8 | 8 |
| 23 | Image Classification of Ribbed Smoked Sheet using Learning Vector Quantization. Journal of Physics: Conference Series, 2017, 801, 012050. | 0.4 | 7 |
| 24 | RFID presence monitoring system as an input to measure the workload of employee. , 2017, , . | | 7 |
| 25 | Hypertensive retinopathy identification from retinal fundus image using probabilistic neural network. , 2017, , . | | 7 |
| 26 | Augmented Reality for Searching Potential Assets in Medan using GPS based Tracking. Journal of Physics: Conference Series, 2017, 801, 012010. | 0.4 | 7 |
| 27 | An Interactive Augmented Reality Implementation of Hijaiyah Alphabet for Children Education. Journal of Physics: Conference Series, 2018, 978, 012102. | 0.4 | 7 |
| 28 | Talenta. Journal of Physics: Conference Series, 2018, 1116, 022033. | 0.4 | 7 |
| 29 | Automatic Number Plate Recognition for Indonesian License Plate by Using K-Nearest Neighbor Algorithm. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012011. | 0.6 | 7 |
| 30 | Multi-document Summarization by using TextRank and Maximal Marginal Relevance for Text in Bahasa Indonesia. , 2019, , . | | 7 |
| 31 | Russian Character Recognition using Self-Organizing Map. Journal of Physics: Conference Series, 2017, 801, 012040. | 0.4 | 6 |
| 32 | File Type Identification of File Fragments using Longest Common Subsequence (LCS). Journal of Physics: Conference Series, 2017, 801, 012054. | 0.4 | 6 |
| 33 | Abnormality classification on the shape of red blood cells using radial basis function network. , 2017, , . | | 6 |
| 34 | Implementation of Real-Time Monitoring on Agricultural Land of Rice Plants Using Smart Sensor. , 2019, , . | | 6 |
| 35 | Implementation of network monitoring and packets capturing using random early detection (RED) method. , 2017, , . | | 5 |
| 36 | Fast Learning for Big Data Using Dynamic Function. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012015. | 0.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Virtual Application of Darul Arif Palace from Serdang Sultanate using Virtual Reality. Journal of Physics: Conference Series, 2017, 801, 012009. | 0.4 | 5 |
| 38 | Android-Based Text Recognition on Receipt Bill for Tax Sampling System. , 2018, , . | | 5 |
| 39 | Building automatic customer complaints filtering application based on Twitter in Bahasa Indonesia. Journal of Physics: Conference Series, 2018, 978, 012119. | 0.4 | 5 |
| 40 | Virtual reality interactive media for universitas sumatera utara â€“ a campus introduction and simulation. Journal of Physics: Conference Series, 2018, 978, 012101. | 0.4 | 5 |
| 41 | Performance Test of Parallel Image Processing Using Open MPI on Raspberry PI Cluster Board. , 2019, , . | | 5 |
| 42 | Finger Recognition as Interaction Media in Augmented Reality for Historical Buildings in Matsum and Kesawan Regions of Medan City. Lecture Notes in Computer Science, 2017, , 243-250. | 1.3 | 5 |
| 43 | File Reconstruction in Digital Forensic. Telkomnika (Telecommunication Computing Electronics and) Tj ETQq1 1 0.784314 rgBT /Over 0,8 5 | | |
| 44 | Distributed autonomous Neuro-Gen Learning Engine for content-based document file type identification. , 2014, , . | | 4 |
| 45 | Chinese chess character recognition using Direction Feature Extraction and backpropagation. , 2016, , . | | 4 |
| 46 | The depth-first search column by column approach on the game of Babylon Tower. , 2017, , . | | 4 |
| 47 | Probabilistic neural network and invariant moments for men face shape classification. IOP Conference Series: Materials Science and Engineering, 0, 420, 012095. | 0.6 | 4 |
| 48 | Identification tibia and fibula bone fracture location using scanline algorithm. Journal of Physics: Conference Series, 2018, 978, 012043. | 0.4 | 4 |
| 49 | Interaction on Augmented Reality with Finger Detection and Hand Movement Recognition. Lecture Notes in Computer Science, 2018, , 702-712. | 1.3 | 4 |
| 50 | Identification of The Tuberculosis (TB) Disease Based on XRay Images Using Probabilistic Neural Network (PNN). Journal of Physics: Conference Series, 2019, 1235, 012056. | 0.4 | 4 |
| 51 | Big data forecasting using evolving multi-layer perceptron. , 2016, , . | | 3 |
| 52 | Organization Readiness and ERP Implementation in Albaha University. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012049. | 0.6 | 3 |
| 53 | Human face recognition using eigenface in cloud computing environment. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012013. | 0.6 | 3 |
| 54 | A real time mobile-based face recognition with fisherface methods. Journal of Physics: Conference Series, 2018, 978, 012038. | 0.4 | 3 |

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|----|--|-----|-----------|
| 55 | Implementation of bayesian model averaging on the weather data forecasting applications utilizing open weather map. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012054. | 0.6 | 3 |
| 56 | Historical Theme Game Using Finite State Machine for Actor Behaviour. Journal of Physics: Conference Series, 2019, 1235, 012122. | 0.4 | 3 |
| 57 | Keyword Extraction from Scientific Articles in Bahasa Indonesia using TextRank Algorithm. , 2020, , . | | 3 |
| 58 | A file undelete with Aho-Corasick algorithm in file recovery. , 2016, , . | | 2 |
| 59 | Identification of molar and premolar teeth in dental panoramic radiograph image. , 2017, , . | | 2 |
| 60 | Hierarchical graph neuron scheme in classifying intrusion attack. , 2017, , . | | 2 |
| 61 | SSL/TLS Vulnerability Detection Using Black Box Approach. Journal of Physics: Conference Series, 2018, 978, 012121. | 0.4 | 2 |
| 62 | Mel-frequency Cepstral Coefficient-Vector Quantization Implementation for Voice Detection of Rice-Eating Birds in The Rice Fields. , 2018, , . | | 2 |
| 63 | Advertisement scheduling on commercial radio station using genetics algorithm. Journal of Physics: Conference Series, 2018, 978, 012113. | 0.4 | 2 |
| 64 | Fungus image identification using K-Nearest Neighbor. IOP Conference Series: Materials Science and Engineering, 0, 420, 012097. | 0.6 | 2 |
| 65 | Facial Recognition for Car Security System Using Fisherface Method. Journal of Physics: Conference Series, 2019, 1235, 012119. | 0.4 | 2 |
| 66 | Tree Identification to Calculate the Amount of Palm Trees using Haar-Cascade Classifier Algorithm. , 2019, , . | | 2 |
| 67 | Identification of Lung Cancer Using Backpropagation Neural Network. Journal of Physics: Conference Series, 2019, 1361, 012060. | 0.4 | 2 |
| 68 | Android-based automatic detection and measurement system of highway billboard for tax calculation in indonesia. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 877. | 0.8 | 2 |
| 69 | Historical Game of Majapahit Kingdom based on Tactical Role-playing Game. , 2017, , . | | 2 |
| 70 | News Articles Classification for Electronic Information and Transaction Law in Indonesia using Support Vector Machine. , 2021, , . | | 2 |
| 71 | A traditional bekel game using leap motion controller. Journal of Physics: Conference Series, 2018, 1116, 022036. | 0.4 | 1 |
| 72 | Identifying strengths and weaknesses of Quality Management Unit University of Sumatera Utara software using SCAMPI C. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012001. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Boyer-Moore Algorithm in Retrieving Deleted Short Message Service in Android Platform. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012016. | 0.6 | 1 |
| 74 | Early Identification of Leaf Stain Disease in Sugar Cane Plants Using Speeded-Up Method Robust Features. , 2018, , . | | 1 |
| 75 | Rangku Alu â€œ A Traditional East Nusa Tenggara Game in Android Platform. Journal of Physics: Conference Series, 2018, 978, 012103. | 0.4 | 1 |
| 76 | Identification Male Fertility Through Abnormalities Sperm Based Morphology (Teratospermia) using Invariant Moment Method. Journal of Physics: Conference Series, 2018, 978, 012107. | 0.4 | 1 |
| 77 | Implementation of Vector Algebra and The Hybrid Pseudo Random Number Generator in Android Game of Kuaci. Journal of Physics: Conference Series, 2019, 1235, 012089. | 0.4 | 1 |
| 78 | Monitoring System of Rice Plant Growth Using Microcontroller Sensor. Journal of Physics: Conference Series, 2019, 1235, 012116. | 0.4 | 1 |
| 79 | Identification of Melanoma through Dermoscopy Image using Learning Vector Quantization. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012027. | 0.6 | 1 |
| 80 | Real-Time Sensor Application for the Measurement of the Vertical Profiles of Atmosphere. , 2019, , . | | 1 |
| 81 | Implementation of Player Position Monitoring for Tanjung Pura Palace Virtual Environment. Lecture Notes in Computer Science, 2017, , 328-334. | 1.3 | 1 |
| 82 | Harnessing the hybrid power supply systems of utility grid and photovoltaic panels at retrofit residential single family building in Medan. Journal of Physics: Conference Series, 2017, 801, 012086. | 0.4 | 0 |
| 83 | The development of Indonesian traditional bekel game in android platform. Journal of Physics: Conference Series, 2018, 978, 012009. | 0.4 | 0 |
| 84 | Image processing method in implementation of handwriting identification for Japanese katakana characters. Journal of Physics: Conference Series, 2018, 1116, 022021. | 0.4 | 0 |
| 85 | Classification of rice plant fertilizer needs based on leaf color chart using radial basis function neural network. Journal of Physics: Conference Series, 2018, 1116, 022037. | 0.4 | 0 |
| 86 | The association rules search of Indonesian university graduateâ€™s data using FP-growth algorithm. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012017. | 0.6 | 0 |
| 87 | Implementation of augmented reality to models Sultan Deli. Journal of Physics: Conference Series, 2018, 978, 012108. | 0.4 | 0 |
| 88 | A Low-Complexity Subgroup Formation with QoS-Aware for Enhancing Multicast Services in LTE Networks. Journal of Physics: Conference Series, 2018, 978, 012094. | 0.4 | 0 |
| 89 | Realistic Shadow Augmented Reality of Rare Animals from Indonesia. Lecture Notes in Computer Science, 2018, , 382-393. | 1.3 | 0 |
| 90 | Application of Digital Sound Recognition on Piano Tones Using MFCC and LVQ. Journal of Physics: Conference Series, 2019, 1235, 012087. | 0.4 | 0 |

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| 91 | Identification of Cervical Cancer Cells using Backpropagation. Journal of Physics: Conference Series, 2019, 1235, 012088. | 0.4 | 0 |
| 92 | 3D ENT (Ear, Nose and Throat) Modelling and Implementation into Mixed Reality Environment. Journal of Physics: Conference Series, 2019, 1235, 012101. | 0.4 | 0 |
| 93 | Multi-language Dictionary Integration by Using Semantic Web. Journal of Physics: Conference Series, 2019, 1235, 012109. | 0.4 | 0 |
| 94 | Android Based RFID Implementation of Vehicle Raids Process Using Arduino. Journal of Physics: Conference Series, 2019, 1235, 012118. | 0.4 | 0 |
| 95 | Interactive Learning Media of the Solar System for Children using Kinect. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012026. | 0.6 | 0 |
| 96 | Interaction 3D Human Anatomy of Ear, Nose, Throat Using Mix Reality. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012034. | 0.6 | 0 |
| 97 | Building the Pornography Corpus for Bahasa Indonesia Based on TRUST+â,,ç Positif Database. , 2019, , . | | 0 |
| 98 | Frogs Sound Detection to Control The Population of Frogs as Pests Using Mel-frequency Cepstral Coefficient-Vector Quantization (MFCC-VQ) Algorithm. , 2020, , . | | 0 |
| 99 | Vacant parking space identification using probabilistic neural network. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 887. | 0.8 | 0 |
| 100 | Sparse Matrix Implementation on Personal News Recommendation for Anonymous User. , 2020, , . | | 0 |