Romi Fadillah Rahmat

List of Publications by Year
in descending order

100 papers	484 citations	1051969 10 h-index	1255698 13 g-index
100 all docs	100 docs citations	100 times ranked	345 citing authors

#	Article	IF	Citations
1	News Articles Classification for Electronic Information and Transaction Law in Indonesia using Support Vector Machine. , 2021, , .		2
2	Frogs Sound Detection to Control The Population of Frogs as Pests Using Mel-frequency Cepstral Coefficient-Vector Quantization (MFCC-VQ) Algorithm. , 2020, , .		0
3	Keyword Extraction from Scientific Articles in Bahasa Indonesia using TextRank Algorithm. , 2020, , .		3
4	Sparse Matrix Implementation on Personal News Recommendation for Anonymous User. , 2020, , .		0
5	Identification of The Tuberculosis (TB) Disease Based on XRay Images Using Probabilistic Neural Network (PNN). Journal of Physics: Conference Series, 2019, 1235, 012056.	0.3	4
6	Implementation of Vector Algebra and The Hybrid Pseudo Random Number Generator in Android Game of Kuaci. Journal of Physics: Conference Series, 2019, 1235, 012089.	0.3	1
7	Analysis of DICOM Image Compression Alternative Using Huffman Coding. Journal of Healthcare Engineering, 2019, 2019, 1-11.	1.1	15
8	Fish Species Classification Using Probabilistic Neural Network. Journal of Physics: Conference Series, 2019, 1235, 012094.	0.3	10
9	Automatic Number Plate Recognition for Indonesian License Plate by Using K-Nearest Neighbor Algorithm. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012011.	0.3	7
10	Application of Digital Sound Recognition on Piano Tones Using MFCC and LVQ. Journal of Physics: Conference Series, 2019, 1235, 012087.	0.3	0
11	Identification of Cervical Cancer Cells using Backpropagation. Journal of Physics: Conference Series, 2019, 1235, 012088.	0.3	0
12	3D ENT (Ear, Nose and Throat) Modelling and Implementation into Mixed Reality Environment. Journal of Physics: Conference Series, 2019, 1235, 012101.	0.3	0
13	Multi-language Dictionary Integration by Using Semantic Web. Journal of Physics: Conference Series, 2019, 1235, 012109.	0.3	0
14	Monitoring System of Rice Plant Growth Using Microcontroller Sensor. Journal of Physics: Conference Series, 2019, 1235, 012116.	0.3	1
15	Red onion growth monitoring system in hydroponics environment. Journal of Physics: Conference Series, 2019, 1235, 012117.	0.3	8
16	Android Based RFID Implementation of Vehicle Raids Process Using Arduino. Journal of Physics: Conference Series, 2019, 1235, 012118.	0.3	0
17	Facial Recognition for Car Security System Using Fisherface Method. Journal of Physics: Conference Series, 2019, 1235, 012119.	0.3	2
18	Historical Theme Game Using Finite State Machine for Actor Behaviour. Journal of Physics: Conference Series, 2019, 1235, 012122.	0.3	3

#	Article	IF	Citations
19	Interactive Learning Media of the Solar System for Children using Kinect. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012026.	0.3	0
20	Identification of Melanoma through Dermoscopy Image using Learning Vector Quantization. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012027.	0.3	1
21	Interaction 3D Human Anatomy of Ear, Nose, Throat Using Mix Reality. IOP Conference Series: Materials Science and Engineering, 2019, 648, 012034.	0.3	0
22	Real-Time Sensor Application for the Measurement of the Vertical Profiles of Atmosphere. , 2019, , .		1
23	Tree Identification to Calculate the Amount of Palm Trees using Haar-Cascade Classifier Algorithm. , 2019, , .		2
24	Building the Pornography Corpus for Bahasa Indonesia Based on TRUST+â„¢ Positif Database. , 2019, , .		0
25	Identification of Lung Cancer Using Backpropagation Neural Network. Journal of Physics: Conference Series, 2019, 1361, 012060.	0.3	2
26	Multi-document Summarization by using TextRank and Maximal Marginal Relevance for Text in Bahasa Indonesia. , 2019, , .		7
27	Implementation of Real-Time Monitoring on Agricultural Land of Rice Plants Using Smart Sensor. , 2019, , .		6
28	Performance Test of Parallel Image Processing Using Open MPI on Raspberry PI Cluster Board. , 2019, , .		5
29	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.	0.7	2
30	Advertisement billboard detection and geotagging system with inductive transfer learning in deep convolutional neural network. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 2659.	0.6	8
31	Vacant parking space identification using probabilistic neural network. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 887.	0.7	0
32	Human face recognition using eigenface in cloud computing environment. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012013.	0.3	3
33	An Interactive Augmented Reality Implementation of Hijaiyah Alphabet for Children Education. Journal of Physics: Conference Series, 2018, 978, 012102.	0.3	7
34	A real time mobile-based face recognition with fisherface methods. Journal of Physics: Conference Series, 2018, 978, 012038.	0.3	3
35	The development of indonesian traditional bekel game in android platform. Journal of Physics: Conference Series, 2018, 978, 012009.	0.3	0
36	SSL/TLS Vulnerability Detection Using Black Box Approach. Journal of Physics: Conference Series, 2018, 978, 012121.	0.3	2

#	Article	IF	Citations
37	The morphological classification of normal and abnormal red blood cell using Self Organizing Map. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012015.	0.3	9
38	Talenta. Journal of Physics: Conference Series, 2018, 1116, 022033.	0.3	7
39	Automated color classification of urine dipstick image in urine examination. Journal of Physics: Conference Series, 2018, 978, 012008.	0.3	8
40	Hypertensive retinopathy identification through retinal fundus image using backpropagation neural network. Journal of Physics: Conference Series, 2018, 978, 012106.	0.3	12
41	Image processing method in implementation of handwriting identification for Japanese katakana characters. Journal of Physics: Conference Series, 2018, 1116, 022021.	0.3	0
42	A traditional bekel game using leap motion controller. Journal of Physics: Conference Series, 2018, 1116, 022036.	0.3	1
43	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.	0.3	3
44	Adaptive neuro-fuzzy inference system for forecasting rubber milk production. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012014.	0.3	10
45	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.	0.3	1
46	Boyer-Moore Algorithm in Retrieving Deleted Short Message Service in Android Platform. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012016.	0.3	1
47	Filtering Spam Text Messages by Using Twitter-LDA Algorithm. , 2018, , .		9
48	Mel-frequency Cepstral Coefficient-Vector Quantization Implementation for Voice Detection of Rice-Eating Birds in The Rice Fields. , 2018, , .		2
49	Android-Based Text Recognition on Receipt Bill for Tax Sampling System. , 2018, , .		5
50	Early Identification of Leaf Stain Disease in Sugar Cane Plants Using Speeded-Up Method Robust Features. , 2018, , .		1
51	Determination of quality television programmes based on sentiment analysis on Twitter. Journal of Physics: Conference Series, 2018, 978, 012117.	0.3	8
52	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.	0.3	0
53	Advertisement scheduling on commercial radio station using genetics algorithm. Journal of Physics: Conference Series, 2018, 978, 012113.	0.3	2
54	The association rules search of Indonesian university graduate's data using FP-growth algorithm. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012017.	0.3	0

#	Article	IF	Citations
55	The edge detection enhancement on satellite image using bilateral filter. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012052.	0.3	10
56	Korean letter handwritten recognition using deep convolutional neural network on android platform. Journal of Physics: Conference Series, 2018, 978, 012112.	0.3	8
57	Implementation of augmented reality to models sultan deli. Journal of Physics: Conference Series, 2018, 978, 012108.	0.3	0
58	Rangku Alu â€" A Traditional East Nusa Tenggara Game in Android Platform. Journal of Physics: Conference Series, 2018, 978, 012103.	0.3	1
59	Building automatic customer complaints filtering application based on Twitter in Bahasa Indonesia. Journal of Physics: Conference Series, 2018, 978, 012119.	0.3	5
60	A Low-Complexity Subgroup Formation with QoS-Aware for Enhancing Multicast Services in LTE Networks. Journal of Physics: Conference Series, 2018, 978, 012094.	0.3	0
61	Virtual reality interactive media for universitas sumatera utara â€" a campus introduction and simulation. Journal of Physics: Conference Series, 2018, 978, 012101.	0.3	5
62	Identification tibia and fibula bone fracture location using scanline algorithm. Journal of Physics: Conference Series, 2018, 978, 012043.	0.3	4
63	Method of calculation overall equipment effectiveness in fertilizer factory. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012053.	0.3	15
64	Identification Male Fertility Through Abnormalities Sperm Based Morphology (Teratospermia) using Invariant Moment Method. Journal of Physics: Conference Series, 2018, 978, 012107.	0.3	1
65	Realistic Shadow Augmented Reality of Rare Animals from Indonesia. Lecture Notes in Computer Science, 2018, , 382-393.	1.0	0
66	Interaction on Augmented Reality with Finger Detection and Hand Movement Recognition. Lecture Notes in Computer Science, 2018, , 702-712.	1.0	4
67	File Reconstruction in Digital Forensic. Telkomnika (Telecommunication Computing Electronics and) Tj ETQq1 1 0.784314 rgBT /Over	0.6	5
68	Comparison of Exponential Smoothing Methods in Forecasting Palm Oil Real Production. Journal of Physics: Conference Series, 2017, 801, 012004.	0.3	19
69	Russian Character Recognition using Self-Organizing Map. Journal of Physics: Conference Series, 2017, 801, 012040.	0.3	6
70	Scheduling Diet for Diabetes Mellitus Patients using Genetic Algorithm. Journal of Physics: Conference Series, 2017, 801, 012033.	0.3	15
71	Organization Readiness and ERP Implementation in Albaha University. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012049.	0.3	3
72	Water Pipeline Monitoring and Leak Detection using Flow Liquid Meter Sensor. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012036.	0.3	14

5

#	Article	IF	Citations
73	Automatic Text Summarization for Indonesian Language Using TextTeaser. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012048.	0.3	18
74	File Type Identification of File Fragments using Longest Common Subsequence (LCS). Journal of Physics: Conference Series, 2017, 801, 012054.	0.3	6
75	Image Classification of Ribbed Smoked Sheet using Learning Vector Quantization. Journal of Physics: Conference Series, 2017, 801, 012050.	0.3	7
76	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.	0.3	0
77	Implementation of network monitoring and packets capturing using random early detection (RED) method. , 2017, , .		5
78	Identification of molar and premolar teeth in dental panoramic radiograph image. , 2017, , .		2
79	Hierarchical graph neuron scheme in classifying intrusion attack. , 2017, , .		2
80	RFID presence monitoring system as an input to measure the workload of employee. , 2017, , .		7
81	Abnormality classification on the shape of red blood cells using radial basis function network. , 2017, , .		6
82	Hypertensive retinopathy identification from retinal fundus image using probabilistic neural network. , 2017, , .		7
83	The depth-first search column by column approach on the game of Babylon Tower. , 2017, , .		4
84	Fast Learning for Big Data Using Dynamic Function. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012015.	0.3	5
85	Virtual Application of Darul Arif Palace from Serdang Sultanate using Virtual Reality. Journal of Physics: Conference Series, 2017, 801, 012009.	0.3	5
86	Augmented Reality for Searching Potential Assets in Medan using GPS based Tracking. Journal of Physics: Conference Series, 2017, 801, 012010.	0.3	7
87	Noise Reduction in Breath Sound Files Using Wavelet Transform Based Filter. IOP Conference Series: Materials Science and Engineering, 2017, 190, 012040.	0.3	10
88	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.	1.0	5
89	Implementation of Player Position Monitoring for Tanjung Pura Palace Virtual Environment. Lecture Notes in Computer Science, 2017, , 328-334.	1.0	1
90	Historical Game of Majapahit Kingdom based on Tactical Role-playing Game. , 2017, , .		2

#	Article	IF	Citations
91	Breast cancer identification on digital mammogram using Evolving Connectionist Systems. , 2016, , .		10
92	Real time monitoring system for water pollution in Lake Toba. , 2016, , .		20
93	Skin color segmentation using multi-color space threshold. , 2016, , .		29
94	Big data forecasting using evolving multi-layer perceptron. , 2016, , .		3
95	Chinese chess character recognition using Direction Feature Extraction and backpropagation. , 2016, , .		4
96	A file undelete with Aho-Corasick algorithm in file recovery. , 2016, , .		2
97	Distributed autonomous Neuro-Gen Learning Engine for content-based document file type identification. , 2014, , .		4
98	An initial study of deep learning for mangrove classification. IOP Conference Series: Materials Science and Engineering, 0, 420, 012093.	0.3	8
99	Probabilistic neural network and invariant moments for men face shape classification. IOP Conference Series: Materials Science and Engineering, 0, 420, 012095.	0.3	4
100	Fungus image identification using K-Nearest Neighbor. IOP Conference Series: Materials Science and Engineering, 0, 420, 012097.	0.3	2