

Tulus Tulus

List of Publications by Year in descending order

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74
papers

273
citations

1305906

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1113639

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g-index

74
all docs

74
docs citations

74
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of water flow speed in dams. IOP Conference Series: Materials Science and Engineering, 2021, 1122, 012031.	0.3	0
2	Combination of k-means with naïve bayes classifier in the process of image classification. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012126.	0.3	2
3	Analysis of the formation of a dynamic brief key algorithm RC4+ for file security. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012135.	0.3	1
4	Optimization of The Gronsfeld Cipher Key Using Okamoto-Uchiyama Public-Key Cryptosystem for Data Security. , 2020, , .		1
5	Optimization of Smooth Support Vector Machine Algorithm Using Backpropagation Nguyen Widrow Algorithm in Classification of Mellitus Diabetes Disease. , 2020, , .		0
6	Analysis Optimization K-Nearest Neighbor Algorithm with Certainty Factor in Determining Student Career. , 2020, , .		2
7	Performance of distance-based k-nearest neighbor classification method using local mean vector and harmonic distance. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012122.	0.3	1
8	Analysis SURF feature extraction and SVM classification for the facial image recognition from various angles. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012138.	0.3	3
9	Computational analysis of heat transfer in three types of motorcycle exhaust materials. Journal of Physics: Conference Series, 2020, 1542, 012034.	0.3	1
10	Without research, no community service. Journal of Physics: Conference Series, 2020, 1542, 012071.	0.3	3
11	Stability analysis of heartbeat system with lyapunov's direct method. Journal of Physics: Conference Series, 2020, 1542, 012054.	0.3	1
12	Heat Transfer Simulation on Window Glass Using COMSOL Multiphysic. Journal of Physics: Conference Series, 2019, 1235, 012065.	0.3	1
13	Weighting Optimization of Decision Matrix in Fuzzy TOPSIS Using SMARTER Method. Journal of Physics: Conference Series, 2019, 1235, 012034.	0.3	4
14	Strategic Analysis of Sustainable Forest Management with Graph Model for Conflict Resolution. Journal of Physics: Conference Series, 2019, 1235, 012060.	0.3	0
15	A Framework for Sharing Patient Data and Service Facilities Using Ipv6 Technology to Support the Advancement of Smart Health Care Technologies. Journal of Physics: Conference Series, 2019, 1255, 012020.	0.3	2
16	Fuzzy Controller for Solar Cell Optimization. Journal of Physics: Conference Series, 2019, 1255, 012045.	0.3	0
17	Optimization Model in Logisticts Planning and Supply Chain. Journal of Physics: Conference Series, 2019, 1255, 012083.	0.3	1
18	Sensitivity Analysis in Data Envelopment Analysis for Interval Data. Journal of Physics: Conference Series, 2019, 1255, 012084.	0.3	1

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19	Meta-Heuristic Development in Combinatorial Optimization. Journal of Physics: Conference Series, 2019, 1255, 012091.	0.3	2
20	The Framework of Stochastic Programming Model with Scenario Generation Approach for Sustainable Knowledge Management under Uncertainty Disruption. Journal of Physics: Conference Series, 2019, 1255, 012063.	0.3	0
21	Data Driven Optimization Approach to Fish Resources Supply Chain Planning in Aceh Province. Journal of Physics: Conference Series, 2019, 1255, 012081.	0.3	0
22	Analysis of Satisfaction Level with Servqual method using Artificial Neural Networks. Journal of Physics: Conference Series, 2019, 1235, 012061.	0.3	0
23	Comparative Analysis of Backpropagation With Learning Vector Quantization (LVQ) to Predict Rainfall in Medan City. Journal of Physics: Conference Series, 2019, 1235, 012083.	0.3	3
24	Optimization of Temperature on The Concentration of a Mixture of Substances in Liquid Waste Treatment Process Palm Oil. Journal of Physics: Conference Series, 2019, 1235, 012123.	0.3	0
25	Designing the Application of Security Text Messages Into Audio Files Using Data Encryption Standard (DES) Algorithms Using the End Of File (EOF) Method. Journal of Physics: Conference Series, 2019, 1363, 012078.	0.3	0
26	Implementation of Data Mining to Classify the Consumer's Complaints of Electricity Usage Based on Consumer's Locations Using Clustering Method. Journal of Physics: Conference Series, 2019, 1363, 012079.	0.3	3
27	Application of Message Security Application Using Vigenere Cipher Algorithm Utilizing One Time Pad (OTP) Algorithm as a Key Generator. Journal of Physics: Conference Series, 2019, 1363, 012080.	0.3	1
28	Decision Support System for Deciding Eligible Journals to be Published in Majalah Kedokteran Nusantara Using the Fuzzy Logic Method. Journal of Physics: Conference Series, 2019, 1363, 012081.	0.3	0
29	Computational Analysis of Fluid Behaviour Around Airfoil With Navier-Stokes Equation. Journal of Physics: Conference Series, 2019, 1376, 012003.	0.3	3
30	Computational Analysis of Water Wheel for Hydro-Electric Power. Journal of Physics: Conference Series, 2019, 1376, 012017.	0.3	1
31	Potential Tempe Product of Universitas Sumatra Utara in Supporting Food Security in North of Sumatera, Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 347, 012076.	0.2	1
32	Analysis of Algorithms Support Vector Machine with Naive Bayes Kernel in Data Classification. , 2019, , .		1
33	Sedimentation Optimization on River Dam Flow by Using COMSOL Multiphysics. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012051.	0.3	4
34	Optimization Model of K-Means Clustering Using Artificial Neural Networks to Handle Class Imbalance Problem. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012075.	0.3	24
35	Shear rate analysis of water dynamic in the continuous stirred tank. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012048.	0.3	2
36	Hybrid Approach Redefinition (HAR) Method with Loss Factors in Handling Class Imbalance Problem. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Talenta. Journal of Physics: Conference Series, 2018, 1116, 022033.	0.3	7
38	Optimum Index Factor and Cloud Removal on the Landsat Imagery Data Processing. Journal of Physics: Conference Series, 2018, 1116, 022048.	0.3	0
39	Heat transfer problem analysis in three dimension tromol brake system problem. MATEC Web of Conferences, 2018, 197, 01008.	0.1	2
40	Real-time detection with AdaBoost-svm combination in various face orientation. Journal of Physics: Conference Series, 2018, 978, 012015.	0.3	0
41	A New Diversity Technique for Imbalance Learning Ensembles. International Journal of Engineering and Technology(UAE), 2018, 7, 478.	0.2	7
42	Attribute Weighting Based K-Nearest Neighbor Using Gain Ratio. Journal of Physics: Conference Series, 2018, 1007, 012007.	0.3	7
43	A Slack-Based Measures for Improving the Efficiency Performance of Departments in Universitas Malikussaleh. International Journal of Engineering and Technology(UAE), 2018, 7, 491.	0.2	23
44	Data-driven Modelling for decision making under uncertainty. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012013.	0.3	8
45	Dynamic Models Increase Understanding of Geometry Through Proof. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012046.	0.3	0
46	Modification of 2-D Time-Domain Shallow Water Wave Equation using Asymptotic Expansion Method. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012049.	0.3	0
47	Hybrid Approach Redefinition (HAR) model for optimizing hybrid ensembles in handling class imbalance: a review and research framework. MATEC Web of Conferences, 2018, 197, 03003.	0.1	1
48	On the 5-Local Profiles of Trees. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012076.	0.3	2
49	Modeling of Sedimentation Process in Water. Journal of Physics: Conference Series, 2018, 978, 012080.	0.3	2
50	Analysis Local Convergence of Gauss-Newton Method. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012044.	0.3	5
51	Nonlinear evolution of Benjamin-Feir wave group based on third order solution of Benjamin-Bona-Mahony equation. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012043.	0.3	2
52	DEA Optimization with Neural Network in Benchmarking Process. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012041.	0.3	26
53	Prime Numbers Comparison using Sieve of Eratosthenes and Sieve of Sundaram Algorithm. Journal of Physics: Conference Series, 2018, 978, 012123.	0.3	2
54	Three Dimensional Model of Snake-Type Wavemakers using Linear Wave Theory. , 2018, , .		0

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55	An analysis of absorbing image on the Indonesian text by using color matching. Journal of Physics: Conference Series, 2018, 978, 012030.	0.3	0
56	Optimization temperature in the room using air conditioner with finite element methods. MATEC Web of Conferences, 2018, 197, 01009.	0.1	1
57	Control of motion stability of the line tracer robot using fuzzy logic and kalman filter. Journal of Physics: Conference Series, 2018, 978, 012066.	0.3	1
58	A Research Framework for Data Envelopment Analysis with Upper Bound on Output to Measure Efficiency Performance of Higher Learning Institution in Aceh Province. International Journal on Advanced Science, Engineering and Information Technology, 2018, 8, 336.	0.2	7
59	Biased support vector machine and weighted-smote in handling class imbalance problem. International Journal of Advances in Intelligent Informatics, 2018, 4, 21.	0.8	35
60	Stability Analysis of the SIRS Epidemic Model using the Fifth-order Runge Kutta Method. , 2018, , .		1
61	Hybrid Information Gain Method and Bagging in Data Classification using Support Vector Machine. , 2018, , .		0
62	Computational Analysis of Sedimentation Process in the Water Treatment Plant. Journal of Physics: Conference Series, 2017, 890, 012077.	0.3	2
63	Weighted hybrid technique for recommender system. Journal of Physics: Conference Series, 2017, 930, 012050.	0.3	8
64	Analysis Resilient Algorithm on Artificial Neural Network Backpropagation. Journal of Physics: Conference Series, 2017, 930, 012035.	0.3	18
65	Data envelopment analysis with upper bound on output to measure efficiency performance of departments in Malaiikulsaleh University. Journal of Physics: Conference Series, 2017, 890, 012102.	0.3	8
66	Modeling of Sedimentation Process in the Irrigation Channel. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012021.	0.3	4
67	THE ANALYSIS PERFORMANCE METHOD NAIVE BAYES ANDSSVM DETERMINE PATTERN GROUPS OF DISEASE. Journal of Physics: Conference Series, 2017, 930, 012031.	0.3	1
68	Computational Analysis of Suspended Particles in the Irrigation Channel. Journal of Physics: Conference Series, 2017, 801, 012094.	0.3	2
69	The Accuracy Of Fuzzy Sugeno Method With Antropometry On Determination Natural Patient Status. Journal of Physics: Conference Series, 2017, 930, 012022.	0.3	6
70	K-Means Algorithm Performance Analysis With Determining The Value Of Starting Centroid With Random And KD-Tree Method. Journal of Physics: Conference Series, 2017, 930, 012016.	0.3	11
71	Denni Algorithm An Enhanced Of SMS (Scan, Move and Sort) Algorithm. Journal of Physics: Conference Series, 2017, 930, 012042.	0.3	0
72	The Investigation of CuO_x Anode Interlayer Effect in Working Performance and Charge Carrier Transport in Hybrid Solar Cells with Inverted Structure. Macromolecular Symposia, 2015, 353, 121-127.	0.4	1

#	ARTICLE	IF	CITATIONS
73	Heat Transfer Analysis In Magnet Housing of Linear Generator Using Finite Element Method. Jurnal Kejuruteraan, 2008, 20, 125-133.	0.2	1
74	K-Means algorithm and modification using gain ratio. IOP Conference Series: Materials Science and Engineering, 0, 420, 012133.	0.3	3