

# Robbi Rahim

## List of Publications by Year in descending order

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Version: 2024-02-01

132  
papers

1,610  
citations

448610

19  
h-index

445137

33  
g-index

179  
all docs

179  
docs citations

179  
times ranked

1107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of bird sounds as an early warning method of forest fires using Convolutional Neural Network (CNN) algorithm. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4345-4357.	2.7	13
2	Wind power forecasting based on time series model using deep machine learning algorithms. Materials Today: Proceedings, 2021, 47, 115-126.	0.9	18
3	Improved Pohlig - Hellman using Sieve of Eratosthenes for Three-Pass Protocol Security Enhancement. TEM Journal, 2021, , 38-44.	0.4	0
4	State of Charge Estimation of Lithium-Ion Battery for Electric Vehicles Using Machine Learning Algorithms. World Electric Vehicle Journal, 2021, 12, 38.	1.6	140
5	Short-Term Power Prediction of Building Integrated Photovoltaic (BIPV) System Based on Machine Learning Algorithms. International Journal of Photoenergy, 2021, 2021, 1-11.	1.4	53
6	Novel Multi-Time Scale Deep Learning Algorithm for Solar Irradiance Forecasting. Energies, 2021, 14, 2404.	1.6	32
7	Optimization forecasting using back-propagation algorithm. Journal of Applied Engineering Science, 2021, 19, 1083-1089.	0.4	3
8	Performance enhancement of solar photovoltaic system for roof top garden. Environmental Science and Pollution Research, 2021, 28, 50017-50027.	2.7	18
9	Forecast Analysis of Gross Regional Domestic Product based on the Linear Regression Algorithm Technique. TEM Journal, 2021, , 620-626.	0.4	1
10	Energy and Economic Analysis of Curved, Straight, and Spiral Flow Flat-Plate Solar Water Collector. International Journal of Photoenergy, 2021, 2021, 1-11.	1.4	32
11	Davies Bouldin Index Algorithm for Optimizing Clustering Case Studies Mapping School Facilities. TEM Journal, 2021, , 1099-1103.	0.4	11
12	Understanding disaster risk and development of resilience as one of the fundamental drivers of sustainable development in India with special reference to supercyclone Amphan. International Journal of Disaster Risk Reduction, 2021, 62, 102339.	1.8	2
13	Comprehensive review on recycling of spent lithium-ion batteries. Materials Today: Proceedings, 2021, 47, 167-180.	0.9	24
14	Comparison of Classification Data Mining C4.5 and Naïve Bayes Algorithms of EDM Dataset. TEM Journal, 2021, , 1738-1744.	0.4	1
15	Hashed Needham Schroeder Industrial IoT based Cost Optimized Deep Secured data transmission in cloud. Measurement: Journal of the International Measurement Confederation, 2020, 150, 107077.	2.5	56
16	Pattern recognition and features selection for speech emotion recognition model using deep learning. International Journal of Speech Technology, 2020, 23, 799-806.	1.4	29
17	Solar still with evacuated tubes and calcium stones to enhance the yield: An experimental investigation. Chemical Engineering Research and Design, 2020, 142, 150-155.	2.7	56
18	Educational Data Mining (EDM) on the use of the Internet in the World of Indonesian Education. TEM Journal, 2020, , 1134-1140.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Unsupervised Data Mining with K-Medoids Method in Mapping Areas of Student and Teacher Ratio in Indonesia. TEM Journal, 2020, , 1614-1618.	0.4	2
20	Exploring of mathematics classroom goal structures in senior high school: An engaging in academic work for student. Journal of Physics: Conference Series, 2019, 1157, 032084.	0.3	1
21	Measuring of student learning performance based on geometry test for middle class in elementary school using dichotomous Rasch analysis. Journal of Physics: Conference Series, 2019, 1157, 032086.	0.3	0
22	Re-thinking of student skills to handling basic computer practice in junior high school. Journal of Physics: Conference Series, 2019, 1157, 042004.	0.3	0
23	The VIKOR Method to Support the Effectiveness of Decisions in Determining Work Incentive Recipients. Journal of Physics: Conference Series, 2019, 1175, 012043.	0.3	4
24	A neural network based on particle swarm optimization for detection forest fire. Journal of Physics: Conference Series, 2019, 1175, 012062.	0.3	2
25	A proposed method using neural network for electricity price prediction base on genetic algorithm. Journal of Physics: Conference Series, 2019, 1175, 012063.	0.3	1
26	The application of particle swarm optimization using neural network to optimize classification of employee performance assessment. Journal of Physics: Conference Series, 2019, 1175, 012067.	0.3	3
27	The effect of an android-based application on T-Mobile learning model to improve studentsâ€™ listening competence. Journal of Physics: Conference Series, 2019, 1175, 012217.	0.3	8
28	Security Analysis Combination Secret Sharing Protocol and Three-Pass Protocol. Journal of Physics: Conference Series, 2019, 1175, 012111.	0.3	0
29	Transient liquid phase bonding of stainless steel 316L to Ti-6Al-4V using Cu/Ni multi-interlayer: microstructure, mechanical properties, and fractography. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1025-1032.	1.3	11
30	Islamic Calendar: Prototype of Hijri Calendar Application using Rapid Application Development Method. , 2019, , .		5
31	Applying C-FDT as Making Decision for the Content of SEO Media Online. Journal of Physics: Conference Series, 2019, 1363, 012059.	0.3	0
32	Data Security On RFID Information Using Word Auto Key Encryption Algorithm. Journal of Physics: Conference Series, 2019, 1381, 012042.	0.3	2
33	Enhancement IDEA Algorithm with Digital Image as Key Encryption and Decryption. Journal of Physics: Conference Series, 2019, 1381, 012043.	0.3	0
34	Online Expert System for Diagnosis Psychological Disorders Using Case-Based Reasoning Method. Journal of Physics: Conference Series, 2019, 1381, 012044.	0.3	4
35	A Review on Cryptography Protocol for Securing Data. Journal of Physics: Conference Series, 2019, 1381, 012041.	0.3	2
36	Flash Multimedia Application: An E Learning Arabic Language for Mastering Fluency in Reading the Qur'an. , 2019, , .		0

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37	Multimedia Prayer Application for Education with Rapid Application Development Method. , 2019, , .		4
38	Lecturersâ€™ Understanding on Indexing Databases of SINTA, DOAJ, Google Scholar, SCOPUS, and Web of Science: A Study of Indonesians. Journal of Physics: Conference Series, 2018, 954, 012026.	0.3	10
39	Analysis of Student Satisfaction Toward Quality of Service Facility. Journal of Physics: Conference Series, 2018, 954, 012019.	0.3	55
40	Block Architecture Problem with Depth First Search Solution and Its Application. Journal of Physics: Conference Series, 2018, 954, 012006.	0.3	3
41	TOPSIS Method Application for Decision Support System in Internal Control for Selecting Best Employees. Journal of Physics: Conference Series, 2018, 1028, 012052.	0.3	44
42	Authentication Security in Radio Frequency Identification with IDEA Algorithm. IOP Conference Series: Materials Science and Engineering, 2018, 384, 012042.	0.3	1
43	Breadth First Search Approach for Shortest Path Solution in Cartesian Area. Journal of Physics: Conference Series, 2018, 1019, 012038.	0.3	5
44	Super-Encryption Cryptography with IDEA and WAKE Algorithm. Journal of Physics: Conference Series, 2018, 1019, 012039.	0.3	9
45	Mobile Application Detection of Road Damage using Canny Algorithm. Journal of Physics: Conference Series, 2018, 1019, 012035.	0.3	9
46	Using K-Means Clustering to Cluster Provinces in Indonesia. Journal of Physics: Conference Series, 2018, 1028, 012006.	0.3	16
47	Comparison of time in processing frame as an error detection mechanism in network transmission. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012085.	0.3	0
48	Aceh young users purchase intention by online store exposure on Facebook. International Journal of Data and Network Science, 2018, , 41-48.	3.4	2
49	Sound Absorption Type Single Reflex Bandpass from Rolled Kinds of Areca Nut with Polyurethane and Gypsum Matric. Journal of Physics: Conference Series, 2018, 1028, 012070.	0.3	0
50	Application of Interpolation Image by using Bi-Cubic Algorithm. Journal of Physics: Conference Series, 2018, 1114, 012066.	0.3	7
51	Decision Support System For Formula Milk Selection Based On Nutrition Value Using Tahani Model Database Fuzzy Method. Journal of Physics: Conference Series, 2018, 1114, 012092.	0.3	2
52	Organization model for information system project: a literature review & blended learning case. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012114.	0.3	0
53	Market Basket Analysis Using Apriori and FP-Growth for Analysis Consumer Expenditure Patterns at Berkah Mart in Pekanbaru Riau. Journal of Physics: Conference Series, 2018, 1114, 012131.	0.3	16
54	Pseudo-prime number simulation and its application for security purpose. MATEC Web of Conferences, 2018, 197, 03005.	0.1	0

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55	A Slack-Based Measures within Group Common Benchmarking using DEA for Improving the Efficiency Performance of Departments in Universitas Malikussaleh. MATEC Web of Conferences, 2018, 197, 16005.	0.1	8
56	A systematic literature review on attribute independent assumption of Naive Bayes: research trend, datasets, methods and frameworks. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012086.	0.3	4
57	Hesitant Fuzzy Linguistic Term Sets with Fuzzy Grid Partition in Determining the Best Lecturer. International Journal of Engineering and Technology(UAE), 2018, 7, 59.	0.2	19
58	Expert System for Disease Risk Based on Lifestyle with Fuzzy Mamdani. International Journal of Engineering and Technology(UAE), 2018, 7, 88.	0.2	14
59	Breadth First Search Approach for Shortest Path Solution in Cartesian Area. Journal of Physics: Conference Series, 2018, 1019, 012036.	0.3	9
60	The utilization of search engines by students of the Library and Information Science Program at Universitas Padjadjaran. Journal of Physics: Conference Series, 2018, 1114, 012085.	0.3	1
61	Application of Web Based Book Calculation using Deterministic Dynamic Programming Algorithm. Journal of Physics: Conference Series, 2018, 1019, 012040.	0.3	2
62	eConf: an Information System to Manage the Conference. Journal of Physics: Conference Series, 2018, 1028, 012044.	0.3	1
63	Secure a Transaction Activity with Base64 Algorithm and Word Auto Key Encryption Algorithm. Journal of Physics: Conference Series, 2018, 1028, 012053.	0.3	5
64	Web Based Application for Decision Support System with ELECTRE Method. Journal of Physics: Conference Series, 2018, 1028, 012054.	0.3	23
65	Combination Base64 and Hashing Variable Length for Securing Data. Journal of Physics: Conference Series, 2018, 1028, 012056.	0.3	9
66	LUC Algorithm in Visual Cryptography. Journal of Physics: Conference Series, 2018, 1114, 012090.	0.3	0
67	RC4 Algorithm Visualization for Cryptography Education. Journal of Physics: Conference Series, 2018, 1028, 012057.	0.3	17
68	Research of Face Recognition with Fisher Linear Discriminant. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012037.	0.3	24
69	E-Business, The impact of the Regional Government Development (APBD) on Information and Communication Development in Indonesia. Journal of Physics: Conference Series, 2018, 1007, 012045.	0.3	1
70	C4.5 Classification Data Mining for Inventory Control. International Journal of Engineering and Technology(UAE), 2018, 7, 68.	0.2	20
71	User acceptance of E-Government Services Based on TRAM model. IOP Conference Series: Materials Science and Engineering, 2018, 352, 012057.	0.3	13
72	Prime Numbers Comparison using Sieve of Eratosthenes and Sieve of Sundaram Algorithm. Journal of Physics: Conference Series, 2018, 978, 012123.	0.3	2

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73	Pixel image steganography using EOF method and modular multiplication block cipher algorithm. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012084.	0.3	0
74	Searching Process with Raita Algorithm and its Application. Journal of Physics: Conference Series, 2018, 1007, 012004.	0.3	7
75	Design and Implementation of A Low Cost Heartbeat Meter using Vibration Sensor, ATmega 16 Microcontroller, and Android Based Smartphone. , 2018, , .		4
76	A New Image Encryption Technique Combining Hill Cipher Method, Morse Code and Least Significant Bit Algorithm. Journal of Physics: Conference Series, 2018, 954, 012003.	0.3	14
77	Decision Support Rating System with Analytical Hierarchy Process Method. International Journal of Engineering and Technology(UAE), 2018, 7, 105.	0.2	9
78	Comparison Between PCI and Box Girder in Bridges Prestressed Concrete Design. Journal of Physics: Conference Series, 2018, 1007, 012065.	0.3	3
79	INA-Rxiv: The Missing Puzzle in Indonesia's Scientific Publishing Workflow. Journal of Physics: Conference Series, 2018, 1007, 012032.	0.3	1
80	Effect of the Machined Surfaces of AISI 4337 Steel to Cutting Conditions on Dry Machining Lathe. Journal of Physics: Conference Series, 2018, 1007, 012064.	0.3	1
81	Crossing Rivers Problem Solution with Breadth-First Search Approach. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012125.	0.3	7
82	Combination Vigenere Cipher and One Time Pad for Data Security. International Journal of Engineering and Technology(UAE), 2018, 7, 92.	0.2	5
83	E-Business, Airport Development and Its Impact on the Increasing of Information of Communication Development in Indonesia. Journal of Physics: Conference Series, 2018, 1007, 012046.	0.3	3
84	F, Cl, Br Doped Ge44 and Al22P22 Nanocages As Anode Electrode Materials of Li, Na, and K ion Batteries. Russian Journal of Physical Chemistry A, 2018, 92, 2282-2288.	0.1	1
85	Development of a secured room access system based on face recognition using Raspberry Pi and Android based smartphone. MATEC Web of Conferences, 2018, 197, 11008.	0.1	6
86	Congklak, a traditional game solution approach with breadth first search. MATEC Web of Conferences, 2018, 197, 03007.	0.1	6
87	Multi-Attribute Decision Making with VIKOR Method for Any Purpose Decision. Journal of Physics: Conference Series, 2018, 1019, 012034.	0.3	24
88	Data Mining of Family, School, and Society Environments Influences to Student Performance. IOP Conference Series: Materials Science and Engineering, 2018, 420, 012090.	0.3	1
89	Analysis of e-learning implementation readiness based on integrated elr model. Journal of Physics: Conference Series, 2018, 1007, 012041.	0.3	20
90	Combination Base64 Algorithm and EOF Technique for Steganography. Journal of Physics: Conference Series, 2018, 1007, 012003.	0.3	16

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91	Keylogger Application to Monitoring Users Activity with Exact String Matching Algorithm. Journal of Physics: Conference Series, 2018, 954, 012008.	0.3	14
92	A Novelty Design Of Minimization Of Electrical Losses In A Vector Controlled Induction Machine Drive. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012067.	0.3	14
93	Modeling Data Containing Outliers using ARIMA Additive Outlier (ARIMA-AO). Journal of Physics: Conference Series, 2018, 954, 012010.	0.3	8
94	Implementation of the ARIMA(p,d,q) method to forecasting CPI Data using <i>forecast package</i> in R Software. Journal of Physics: Conference Series, 2018, 1028, 012189.	0.3	7
95	Employee Recruitment Fraud Prevention with the Implementation of Decision Support System. Journal of Physics: Conference Series, 2018, 1028, 012055.	0.3	11
96	Knowledge Management Organization to Gain Performance in Private University. Journal of Physics: Conference Series, 2018, 1019, 012037.	0.3	3
97	Analysis of user readiness toward ICT usage at small medium enterprise in south tangerang. Journal of Physics: Conference Series, 2018, 1007, 012042.	0.3	23
98	E-Business, the impact of regional growth on the improvement of Information and Communication Development. Journal of Physics: Conference Series, 2018, 1007, 012044.	0.3	6
99	Content validity of critical success factors for e-Government implementation in Indonesia. IOP Conference Series: Materials Science and Engineering, 2018, 352, 012058.	0.3	17
100	Latent Semantic Indexing for Indonesian Text Similarity. International Journal of Engineering and Technology(UAE), 2018, 7, 73.	0.2	8
101	Kampung Pulo Environmental Planning Observed from Biophysical Aspects as Adaptation of Flood in Jakarta. International Journal of Engineering and Technology(UAE), 2018, 7, 82.	0.2	3
102	Comparison Analysis of TOPSIS and Fuzzy Logic Methods On Fertilizer Selection. International Journal of Engineering and Technology(UAE), 2018, 7, 109.	0.2	18
103	Designing Application for Performance Assessment to Measure Employee Professionalism in Government Institution. , 2018, , .		9
104	Applied Pohlig-Hellman algorithm in three-pass protocol communication. Journal of Applied Engineering Science, 2018, 16, 424-429.	0.4	3
105	IOWA Unemployment Insurance Claimants: A Comparison between $\hat{\mu}$ -Sutte Indicator and Other Forecasting Methods. , 2018, , .		0
106	Enhanced pixel value differencing with cryptography algorithm. MATEC Web of Conferences, 2018, 197, 03011.	0.1	2
107	The new system for promoting news through social media. International Journal of Data and Network Science, 2018, , 57-62.	3.4	1
108	A research framework of disaster traffic management to Smart City. , 2017, , .		7

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109	Prime Number: an Experiment Rabin-Miller and Fast Exponentiation. Journal of Physics: Conference Series, 2017, 930, 012032.	0.3	5
110	Forecasting Error Calculation with Mean Absolute Deviation and Mean Absolute Percentage Error. Journal of Physics: Conference Series, 2017, 930, 012002.	0.3	142
111	Symmetric Stream Cipher using Triple Transposition Key Method and Base64 Algorithm for Security Improvement. Journal of Physics: Conference Series, 2017, 930, 012005.	0.3	19
112	Comparative Analysis of Membership Function on Mamdani Fuzzy Inference System for Decision Making. Journal of Physics: Conference Series, 2017, 930, 012029.	0.3	36
113	Enhanced pixel value differencing steganography with government standard algorithm. , 2017, , .		12
114	Research of Simple Multi-Attribute Rating Technique for Decision Support. Journal of Physics: Conference Series, 2017, 930, 012015.	0.3	48
115	A review: search visualization with Knuth Morris Pratt algorithm. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012026.	0.3	10
116	Impact of GDP Information Technology in Developing of Regional Central Business (Case 50 Airports IT) Tj ETQq0 0.0 rgBT /Overlock 10	0.3	8
117	Visual Approach of Searching Process using Boyer-Moore Algorithm. Journal of Physics: Conference Series, 2017, 930, 012001.	0.3	8
118	Data Collision Prevention with Overflow Hashing Technique in Closed Hash Searching Process. Journal of Physics: Conference Series, 2017, 930, 012012.	0.3	5
119	Double hashing technique in closed hashing search process. IOP Conference Series: Materials Science and Engineering, 2017, 237, 012027.	0.3	4
120	Comparison Searching Process of Linear, Binary and Interpolation Algorithm. Journal of Physics: Conference Series, 2017, 930, 012007.	0.3	15
121	128 Bit Hash of Variable Length in Short Message Service Security. International Journal of Security and Its Applications, 2017, 11, 45-58.	0.5	6
122	24 Bit Image Noise Reduction with Median Filtering Algorithm. International Journal of Recent Trends in Engineering and Research, 2017, 3, 1-5.	0.1	1
123	Decision Support System Best Employee Assessments with Technique for Order of Preference by Similarity to Ideal Solution. International Journal of Recent Trends in Engineering and Research, 2017, 3, 6-17.	0.1	12
124	Study Approach Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS). International Journal of Recent Trends in Engineering and Research, 2017, 3, 268-285.	0.1	9
125	Technical Approach of TOPSIS in Decision Making. International Journal of Recent Trends in Engineering and Research, 2017, 3, 58-64.	0.1	24
126	Comparison Between Dynamic And Static Blocks In Sequitur Algorithm. IOSR Journal of Computer Engineering, 2017, 19, 39-43.	0.1	1



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127	Vernam Encrypted Text in End of File Hiding Steganography Technique. International Journal of Recent Trends in Engineering and Research, 2017, 3, 214-219.	0.1	1
128	Dynamic Key Matrix of Hill Cipher Using Genetic Algorithm. International Journal of Security and Its Applications, 2016, 10, 173-180.	0.5	13
129	Arnold. International Journal of Science and Research (Raipur, India), 2016, 5, 1363-1365.	0.1	16
130	Study of Three Pass Protocol on Data Security. International Journal of Science and Research (Raipur,) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0.1	9
131	Web based testing application security system using semantic comparison method. IOP Conference Series: Materials Science and Engineering, 0, 420, 012122.	0.3	4
132	Systematic literature review: comparison study of symmetric key and asymmetric key algorithm. IOP Conference Series: Materials Science and Engineering, 0, 420, 012111.	0.3	7