Tarik Ahmed Rashid

List of Publications by Year
in descending order

122 papers	4,471 citations	136885 32 h-index	128225 60 g-index
152 all docs	152 docs citations	152 times ranked	2579 citing authors

#	Article	IF	Citations
1	Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019. JAMA Oncology, 2022, 8, 420.	3.4	719
2	Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019. Lancet, The, 2021, 397, 996-1009.	6.3	358
3	Fitness Dependent Optimizer: Inspired by the Bee Swarming Reproductive Process. IEEE Access, 2019, 7, 43473-43486.	2.6	202
4	A Systematic and Meta-Analysis Survey of Whale Optimization Algorithm. Computational Intelligence and Neuroscience, 2019, 2019, 1-25.	1.1	143
5	Revealing customers' satisfaction and preferences through online review analysis: The case of Canary Islands hotels. Journal of Retailing and Consumer Services, 2019, 51, 331-343.	5.3	136
6	Low Power Wide Area Networks: A Survey of Enabling Technologies, Applications and Interoperability Needs. IEEE Access, 2018, 6, 77454-77473.	2.6	130
7	Factors influencing medical tourism adoption in Malaysia: A DEMATEL-Fuzzy TOPSIS approach. Computers and Industrial Engineering, 2019, 137, 106005.	3.4	130
8	A comprehensive survey and taxonomy of the SVM-based intrusion detection systems. Journal of Network and Computer Applications, 2021, 178, 102983.	5.8	115
9	Performance of a Novel Chaotic Firefly Algorithm with Enhanced Exploration for Tackling Global Optimization Problems: Application for Dropout Regularization. Mathematics, 2021, 9, 2705.	1.1	95
10	Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. Lancet, The, 2021, 398, 503-521.	6.3	93
11	The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet Oncology, The, 2022, 23, 27-52.	5.1	90
12	Measuring sustainability through ecological sustainability and human sustainability: A machine learning approach. Journal of Cleaner Production, 2019, 240, 118162.	4.6	88
13	Dragonfly Algorithm and Its Applications in Applied Science Survey. Computational Intelligence and Neuroscience, 2019, 2019, 1-21.	1.1	86
14	Real‐time COVID-19 diagnosis from X-Ray images using deep CNN and extreme learning machines stabilized by chimp optimization algorithm. Biomedical Signal Processing and Control, 2021, 68, 102764.	3.5	86
15	Hybrid Fruit-Fly Optimization Algorithm with K-Means for Text Document Clustering. Mathematics, 2021, 9, 1929.	1.1	83
16	Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990–2050. Lancet, The, 2021, 398, 1317-1343.	6.3	79
17	Hybrid Genetic Algorithm and Machine Learning Method for COVID-19 Cases Prediction. Lecture Notes in Networks and Systems, 2021, , 169-184.	0.5	74
18	Cat Swarm Optimization Algorithm: A Survey and Performance Evaluation. Computational Intelligence and Neuroscience, 2020, 2020, 1-20.	1.1	71

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19	COV-ECGNET: COVID-19 detection using ECG trace images with deep convolutional neural network. Health Information Science and Systems, 2022, 10, 1.	3.4	66
20	A novel hybrid GWO with WOA for global numerical optimization and solving pressure vessel design. Neural Computing and Applications, 2020, 32, 14701-14718.	3.2	62
21	Datasets on statistical analysis and performance evaluation of backtracking search optimisation algorithm compared with its counterpart algorithms. Data in Brief, 2020, 28, 105046.	0.5	61
22	Fuzzy logic approach for infectious disease diagnosis: A methodical evaluation, literature and classification. Biocybernetics and Biomedical Engineering, 2019, 39, 937-955.	3.3	60
23	A new evolutionary algorithm: Learner performance based behavior algorithm. Egyptian Informatics Journal, 2021, 22, 213-223.	4.4	59
24	Donkey and smuggler optimization algorithm: A collaborative working approach to path finding. Journal of Computational Design and Engineering, 2019, 6, 562-583.	1.5	56
25	Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990â€"2019, for 204 countries and territories: the Global Burden of Diseases Study 2019. Lancet HIV,the, 2021, 8, e633-e651.	2.1	56
26	Coronary Heart Disease Diagnosis Through Self-Organizing Map and Fuzzy Support Vector Machine with Incremental Updates. International Journal of Fuzzy Systems, 2020, 22, 1376-1388.	2.3	53
27	Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990â€"2019: results from the Global Burden of Disease Study 2019. Lancet Infectious Diseases, The, 2022, 22, 222-241.	4.6	53
28	A new feature set with new window techniques for customer churn prediction in land-line telecommunications. Expert Systems With Applications, 2010, 37, 3657-3665.	4.4	50
29	Remote tracking of Parkinson's Disease progression using ensembles of Deep Belief Network and Self-Organizing Map. Expert Systems With Applications, 2020, 159, 113562.	4.4	49
30	A Comprehensive Survey on the Internet of Things with the Industrial Marketplace. Sensors, 2022, 22, 730.	2.1	48
31	Operational framework for recent advances in backtracking search optimisation algorithm: A systematic review and performance evaluation. Applied Mathematics and Computation, 2020, 370, 124919.	1.4	41
32	Formal context reduction in deriving concept hierarchies from corpora using adaptive evolutionary clustering algorithm star. Complex & Intelligent Systems, 2021, 7, 2383-2398.	4.0	37
33	An energy efficient service composition mechanism using a hybrid meta-heuristic algorithm in a mobile cloud environment. Journal of Parallel and Distributed Computing, 2020, 143, 77-87.	2.7	34
34	Using Accuracy Measure for Improving the Training of LSTM with Metaheuristic Algorithms. Procedia Computer Science, 2018, 140, 324-333.	1.2	33
35	An intelligent method for iris recognition using supervised machine learning techniques. Optics and Laser Technology, 2019, 120, 105701.	2.2	33
36	A multidisciplinary ensemble algorithm for clustering heterogeneous datasets. Neural Computing and Applications, 2021, 33, 10987-11010.	3.2	33

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37	A multi hidden recurrent neural network with a modified grey wolf optimizer. PLoS ONE, 2019, 14, e0213237.	1.1	32
38	Deep learning for vision‑based fall detection system: Enhanced optical dynamic flow. Computational Intelligence, 2021, 37, 578-595.	2.1	29
39	Improved Fitness-Dependent Optimizer Algorithm. IEEE Access, 2020, 8, 19074-19088.	2.6	28
40	Feedforward Multi-Layer Perceptron Training by Hybridized Method between Genetic Algorithm and Artificial Bee Colony. , 2021, , 279-292.		26
41	Child Drawing Development Optimization Algorithm Based on Child's Cognitive Development. Arabian Journal for Science and Engineering, 2022, 47, 1337-1351.	1.7	23
42	A novel cluster detection of COVID-19 patients and medical disease conditions using improved evolutionary clustering algorithm star. Computers in Biology and Medicine, 2021, 138, 104866.	3.9	23
43	Optimizing bag-of-tasks scheduling on cloud data centers using hybrid swarm-intelligence meta-heuristic. Journal of Supercomputing, 2022, 78, 9121-9183.	2.4	22
44	Lecturer performance system using neural network with Particle Swarm Optimization. Computer Applications in Engineering Education, 2016, 24, 629-638.	2.2	20
45	Energy Efficient Clustering in Wireless Sensor Networks by Opposition-Based Initialization Bat Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 1-16.	0.5	20
46	A Hybrid of Artificial Bee Colony, Genetic Algorithm, and Neural Network for Diabetic Mellitus Diagnosing. ARO-the Scientific Journal of Koya University, 2018, 6, 55-64.	0.2	20
47	ANA: Ant Nesting Algorithm for Optimizing Real-World Problems. Mathematics, 2021, 9, 3111.	1.1	19
48	Wireless Sensor Networks Localization by Improved Whale Optimization Algorithm. Algorithms for Intelligent Systems, 2022, , 769-783.	0.5	19
49	Convolutional Neural Networks based Method for Improving Facial Expression Recognition. Advances in Intelligent Systems and Computing, 2016, , 73-84.	0.5	18
50	Updating ground conditions and time-cost scatter-gram in tunnels during excavation. Automation in Construction, 2019, 105, 102822.	4.8	18
51	Generative adversarial network (GAN) and enhanced root mean square error (ERMSE): deep learning for stock price movement prediction. Multimedia Tools and Applications, 2022, 81, 3995-4013.	2.6	18
52	Training a Multilayer Perception for Modeling Stock Price Index Predictions Using Modified Whale Optimization Algorithm. Advances in Intelligent Systems and Computing, 2022, , 415-430.	0.5	18
53	Next word prediction based on the N-gram model for Kurdish Sorani and Kurmanji. Neural Computing and Applications, 2021, 33, 4547-4566.	3.2	16
54	A Study of The Convolutional Neural Networks Applications. UKH Journal of Science and Engineering, 2019, 3, 31-40.	0.0	16

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55	Performance evaluation results of evolutionary clustering algorithm star for clustering heterogeneous datasets. Data in Brief, 2021, 36, 107044.	0.5	15
56	Should academic research be relevant and useful to practitioners? The contrasting difference between three applied disciplines. Studies in Higher Education, 2020, 45, 129-144.	2.9	14
57	Pulmonary Diffuse Airspace Opacities Diagnosis from Chest X-Ray Images Using Deep Convolutional Neural Networks Fine-Tuned by Whale Optimizer. Wireless Personal Communications, 2022, 124, 1355-1374.	1.8	14
58	Current Studies and Applications of Shuffled Frog Leaping Algorithm: A Review. Archives of Computational Methods in Engineering, 2022, 29, 3459-3474.	6.0	14
59	An evaluation of Reber stemmer with longest match stemmer technique in Kurdish Sorani text classification. Iran Journal of Computer Science, 2018, 1, 99-107.	1.8	13
60	Kurdish stemmer pre-processing steps for improving information retrieval. Journal of Information Science, 2018, 44, 15-27.	2.0	13
61	Dynamic Cat Swarm Optimization algorithm for backboard wiring problem. Neural Computing and Applications, 2021, 33, 13981-13997.	3.2	13
62	Harmony search: Current studies and uses on healthcare systems. Artificial Intelligence in Medicine, 2022, 131, 102348.	3.8	13
63	An Intelligent Approach for Diabetes Classification, Prediction and Description. Advances in Intelligent Systems and Computing, 2016, , 323-335.	0.5	12
64	Multi-objective learner performance-based behavior algorithm with five multi-objective real-world engineering problems. Neural Computing and Applications, 2022, 34, 6307-6329.	3.2	12
65	A survey on dragonfly algorithm and its applications in engineering. Evolutionary Intelligence, 2023, 16, 1-21.	2.3	11
66	Tunnel geomechanical parameters prediction using Gaussian process regression. Machine Learning With Applications, 2021, 3, 100020.	3.0	10
67	Critical analysis: bat algorithm-based investigation and application on several domains. World Journal of Engineering, 2021, 18, 606-620.	1.0	10
68	A Robust Categorization System for Kurdish Sorani Text Documents. Information Technology Journal, 2016, 16, 27-34.	0.3	10
69	An improved deep convolutional neural network by using hybrid optimization algorithms to detect and classify brain tumor using augmented MRI images. Multimedia Tools and Applications, 2022, 81, 44059-44086.	2.6	10
70	A new K-means grey wolf algorithm for engineering problems. World Journal of Engineering, 2021, 18, 630-638.	1.0	9
71	Chaotic fitness-dependent optimizer for planning and engineering design. Soft Computing, 2021, 25, 14281-14295.	2.1	9
72	Automatic Kurdish Text Classification Using KDC 4007 Dataset. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 187-198.	0.5	9

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73	Computer Network Simulation of Firewall and VoIP Performance Monitoring. International Journal of Online Engineering, 2018, 14, 4.	0.5	7
74	Artificial Flora Optimization Algorithm with Genetically Guided Operators for Feature Selection and Neural Network Training. International Journal of Fuzzy Systems, 2022, 24, 2538-2559.	2.3	7
75	Decision Support System for Diabetes Mellitus through Machine Learning Techniques. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	6
76	A Simulation Model for Pedestrian Crowd Evacuation Based on Various AI Techniques. Revue D'Intelligence Artificielle, 2019, 33, 283-292.	0.5	6
77	Combining Fuzzy Rough Set with Salient Features for HRM Classification. , 2015, , .		5
78	Evolutionary DNA Computing Algorithm for Job Scheduling Problem. IETE Journal of Research, 2018, 64, 514-527.	1.8	5
79	Investigating the effect of competitiveness power in estimating the average weighted price in electricity market. Electricity Journal, 2019, 32, 106628.	1.3	5
80	Effects of Microbial, Botanical, and Synthetic Insecticides on `Red Delicious' Apple Arthropods in Arkansas. HortTechnology, 2001, 11, 615-621.	0.5	5
81	Improving Kurdish Web Mining through Tree Data Structure and Porter's Stemmer Algorithms. UKH Journal of Science and Engineering, 2018, 2, 48-54.	0.0	5
82	Deep learning for sleep stages classification: modified rectified linear unit activation function and modified orthogonal weight initialisation. Multimedia Tools and Applications, 2022, 81, 9855-9874.	2.6	5
83	Medical dataset classification for Kurdish short text over social media. Data in Brief, 2022, 42, 108089.	0.5	5
84	A Modified Particle Swarm Optimization with Neural Network via Euclidean Distance. International Journal of Recent Contributions From Engineering, Science & IT, 2018, 6, 4.	0.7	4
85	A Comprehensive Study on Pedestrians' Evacuation. International Journal of Recent Contributions From Engineering, Science & IT, 2019, 7, 38.	0.7	4
86	A novel visualization system of using augmented reality in knee replacement surgery: Enhanced bidirectional maximum correntropy algorithm. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2223.	1.2	4
87	An extensive dataset of handwritten central Kurdish isolated characters. Data in Brief, 2021, 39, 107479.	0.5	4
88	Deep learning neural networks for emotion classification from text: enhanced leaky rectified linear unit activation and weighted loss. Multimedia Tools and Applications, 2022, 81, 15439-15468.	2.6	4
89	Using Fitness Dependent Optimizer for Training Multi-layer Perceptron. Journal of Internet Technology, 2021, 22, 1575-1585.	0.5	4
90	Lecturer Performance Analysis using Multiple Classifiers. Journal of Computer Science, 2016, 12, 255-264.	0.5	3

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91	Improvement on predicting employee behaviour through intelligent techniques. IET Networks, 2016, 5, 136-142.	1.1	3
92	A Virtualized Computer Network for Salahaddin University New Campus of HTTP Services Using OPNET Simulator. Lecture Notes in Networks and Systems, 2018, , 731-740.	0.5	3
93	Deep learning for breast cancer classification: Enhanced tangent function. Computational Intelligence, 2022, 38, 506-529.	2.1	3
94	A novel solution of an elastic net regularisation for dementia knowledge discovery using deep learning. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 807-829.	1.8	3
95	Transformations to issues in teaching, learning, and assessing methods in databases courses. , 2014, , .		2
96	Enhancement of Detecting Wicked Website Through Intelligent Methods. Communications in Computer and Information Science, 2016, , 358-368.	0.4	2
97	Advances in Telemedicine for Health Monitoring: Technologies, Design and Applications. , 2020, , .		2
98	Improving DNA Computing Using Evolutionary Techniques. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	2
99	Transmission Control Protocol Performance Monitoring for Simulated Wired University Computer Network using OPNET. UKH Journal of Science and Engineering, 2019, 3, 18-28.	0.0	2
100	Improvement on Classification Models of Multiple Classes through Effectual Processes. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.5	2
101	A comprehensive review and evaluation on text predictive and entertainment systems. Soft Computing, 2022, 26, 1541-1562.	2.1	2
102	The influence of illumination on facial feature extraction. , 2015, , .		1
103	A Systematic Web Mining Based Approach for Forecasting Terrorism. Communications in Computer and Information Science, 2017, , 284-295.	0.4	1
104	An Improved Simulation Model for Pedestrian Crowd Evacuation. Mathematics, 2020, 8, 2171.	1.1	1
105	A novel solution of using mixed reality in bowel and oral and maxillofacial surgical telepresence: 3D mean value cloning algorithm. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2224.	1.2	1
106	A Review-Based Taxonomy for Secure Health Care Monitoring: Wireless Smart Cameras. Journal of Applied Security Research, 2023, 18, 16-48.	0.8	1
107	Mixed reality using illumination-aware gradient mixing in surgical telepresence: enhanced multi-layer visualization. Multimedia Tools and Applications, 2022, 81, 1153-1178.	2.6	1
108	Exergetic and financial parametric analyses and multi-objective optimization of a novel geothermal-driven cogeneration plant; adopting a modified dual binary technique. Sustainable Energy Technologies and Assessments, 2021, 48, 101442.	1.7	1

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109	Kernel Visual Keyword Description for Object and Place Recognition. Advances in Intelligent Systems and Computing, 2016, , 27-38.	0.5	1
110	Automatic License Plate Recognition in Kurdistan Region of Iraq (KRI). Journal of Zankoy Sulaimani - Part A, 2015, 17, 235-244.	0.1	1
111	Software Defect Prediction Using Atomic Rule Mining and Random Forest. , 2020, , .		1
112	Place recognition using kernel visual keyword descriptors. , 2015, , .		0
113	A Novel Visualization System of Using Augmented Reality in Knee Replacement Surgery: Enhanced Bidirectional Maximum CorrentropyAlgorithm. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, , e2154.	1.2	0
114	A Novel Solution of Using Mixed Reality in Bowel and Oral and Maxillofacial Surgical Telepresence: 3D Mean Value Cloning algorithm. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, , e2161.	1.2	0
115	A Novel Hybrid Technique for Exchange Rate Forecasting. Journal of Zankoy Sulaimani - Part A, 2015, 17, 165-180.	0.1	0
116	Face Behavior Recognition Through Support Vector Machines. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	0
117	A Hybrid Method of Smart Scanning and Terrestrial Laser Scanner (SSaTLS): Improving the Accuracy of the Measurement Method. , 2020, , .		0
118	A Novel Softmax Regression Enhancement for Handwritten Digits Recognition using Tensor Flow Library. , 2020, , .		0
119	A Novel Solution of an Enhanced Error and Loss Function using Deep Learning for Hypertension Classification in Traditional Medicine. , 2020, , .		0
120	Intelligent Image Enhancement System based on Similarity Pixels. Webology, 2022, 19, 1731-1749.	0.3	0
121	Face Geometry and Handwritten Characters Based Biometric Text Steganography. , 2021, , .		0
122	Improved Fitness-Dependent Optimizer for Solving Economic Load Dispatch Problem. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.1	0