Faisal Saeed

List of Publications by Year
in descending order

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Version: 2024-02-01

97 papers	1,583 citations	331259 21 h-index	360668 35 g-index
99 all docs	99 docs citations	99 times ranked	1058 citing authors

#	Article	IF	Citations
1	Bioactive Molecule Prediction Using Extreme Gradient Boosting. Molecules, 2016, 21, 983.	1.7	182
2	IoT-Based Intelligent Modeling of Smart Home Environment for Fire Prevention and Safety. Journal of Sensor and Actuator Networks, 2018, 7, 11.	2.3	134
3	Anomaly-Based Intrusion Detection Systems in IoT Using Deep Learning: A Systematic Literature Review. Applied Sciences (Switzerland), 2021, 11, 8383.	1.3	72
4	A Robust Approach for Brain Tumor Detection in Magnetic Resonance Images Using Finetuned EfficientNet. IEEE Access, 2022, 10, 65426-65438.	2.6	69
5	Convolutional neural network based early fire detection. Multimedia Tools and Applications, 2020, 79, 9083-9099.	2.6	62
6	Misbehavior-Aware On-Demand Collaborative Intrusion Detection System Using Distributed Ensemble Learning for VANET. Electronics (Switzerland), 2020, 9, 1411.	1.8	55
7	Deep Learning-Based Approach for Emotion Recognition Using Electroencephalography (EEG) Signals Using Bi-Directional Long Short-Term Memory (Bi-LSTM). Sensors, 2022, 22, 2976.	2.1	45
8	Investigating factors influencing decision-makersâ€™ intention to adopt Green IT in Malaysian manufacturing industry. Resources, Conservation and Recycling, 2019, 148, 36-54.	5.3	42
9	Vehicular traffic optimisation and even distribution using ant colony in smart city environment. IET Intelligent Transport Systems, 2018, 12, 594-601.	1.7	35
10	Combining CNN and Grad-Cam for COVID-19 Disease Prediction and Visual Explanation. Intelligent Automation and Soft Computing, 2022, 32, 723-745.	1.6	34
11	Ensemble Methods for Instance-Based Arabic Language Authorship Attribution. IEEE Access, 2020, 8, 17331-17345.	2.6	31
12	A Novel Hybrid Deep Learning Model for Detecting COVID-19-Related Rumors on Social Media Based on LSTM and Concatenated Parallel CNNs. Applied Sciences (Switzerland), 2021, 11, 7940.	1.3	31
13	Context-aware data-centric misbehaviour detection scheme for vehicular ad hoc networks using sequential analysis of the temporal and spatial correlation of the consistency between the cooperative awareness messages. Vehicular Communications, 2019, 20, 100186.	2.7	30
14	Hybrid and Multifaceted Context-Aware Misbehavior Detection Model for Vehicular Ad Hoc Network. IEEE Access, 2019, 7, 159119-159140.	2.6	30
15	Ligand expansion in ligand-based virtual screening using relevance feedback. Journal of Computer-Aided Molecular Design, 2012, 26, 279-287.	1.3	29
16	An Optimized Stacking Ensemble Model for Phishing Websites Detection. Electronics (Switzerland), 2021, 10, 1285.	1.8	26
17	A metamodel for mobile forensics investigation domain. PLoS ONE, 2017, 12, e0176223.	1.1	26
18	Cyber Threat Intelligence-Based Malicious URL Detection Model Using Ensemble Learning. Sensors, 2022, 22, 3373.	2.1	25

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19	Voting-based consensus clustering for combining multiple clusterings of chemical structures. Journal of Cheminformatics, 2012, 4, 37.	2.8	24
20	Concatenation of Pre-Trained Convolutional Neural Networks for Enhanced COVID-19 Screening Using Transfer Learning Technique. Electronics (Switzerland), 2022, 11, 103.	1.8	24
21	Ensemble learning method for the prediction of new bioactive molecules. PLoS ONE, 2018, 13, e0189538.	1.1	23
22	A New Intrusion Detection System for the Internet of Things via Deep Convolutional Neural Network and Feature Engineering. Sensors, 2022, 22, 3607.	2.1	23
23	A Quantum-Based Similarity Method in Virtual Screening. Molecules, 2015, 20, 18107-18127.	1.7	21
24	Phobia Exposure Therapy Using Virtual and Augmented Reality: A Systematic Review. Applied Sciences (Switzerland), 2022, 12, 1672.	1.3	21
25	Machine learning based approach for multimedia surveillance during fire emergencies. Multimedia Tools and Applications, 2020, 79, 16201-16217.	2.6	20
26	A Weighted Minimum Redundancy Maximum Relevance Technique for Ransomware Early Detection in Industrial IoT. Sustainability, 2022, 14, 1231.	1.6	20
27	An Aggregated Mutual Information Based Feature Selection with Machine Learning Methods for Enhancing IoT Botnet Attack Detection. Sensors, 2022, 22, 185.	2.1	20
28	Adapting Document Similarity Measures for Ligand-Based Virtual Screening. Molecules, 2016, 21, 476.	1.7	18
29	A robust approach for industrial small-object detection using an improved faster regional convolutional neural network. Scientific Reports, 2021, 11, 23390.	1.6	18
30	Condorcet and borda count fusion method for ligand-based virtual screening. Journal of Cheminformatics, 2014, 6, 19.	2.8	17
31	Improved Deep Learning Based Method for Molecular Similarity Searching Using Stack of Deep Belief Networks. Molecules, 2021, 26, 128.	1.7	17
32	Machine learningâ€“based automated image processing for quality management in industrial Internet of Things. International Journal of Distributed Sensor Networks, 2019, 15, 155014771988355.	1.3	16
33	Feature Selection and Classification Using CatBoost Method for Improving the Performance of Predicting Parkinsonâ€™s Disease. Advances in Intelligent Systems and Computing, 2021, , 189-199.	0.5	15
34	Arabic Sentiment Analysis of Usersâ€™ Opinions of Governmental Mobile Applications. Computers, Materials and Continua, 2022, 72, 4675-4689.	1.5	15
35	Information Theory and Voting Based Consensus Clustering for Combining Multiple Clusterings of Chemical Structures. Molecular Informatics, 2013, 32, 591-598.	1.4	13
36	Driving-situation-aware adaptive broadcasting rate scheme for vehicular ad hoc network. Journal of Intelligent and Fuzzy Systems, 2018, 35, 423-438.	0.8	12

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37	Detecting Bogus Information Attack in Vehicular Ad Hoc Network: A Context-Aware Approach. Procedia Computer Science, 2019, 163, 180-189.	1.2	12
38	An Improved Multiple Features and Machine Learning-Based Approach for Detecting Clickbait News on Social Networks. Applied Sciences (Switzerland), 2021, 11, 9487.	1.3	11
39	Lightweight Anomaly Detection Scheme Using Incremental Principal Component Analysis and Support Vector Machine. Sensors, 2021, 21, 8017.	2.1	11
40	A Novel Feature-Engineeredâ€“NGBoost Machine-Learning Framework for Fraud Detection in Electric Power Consumption Data. Sensors, 2021, 21, 8423.	2.1	11
41	An Improved Sentiment Classification Approach for Measuring User Satisfaction toward Governmental Servicesâ€™ Mobile Apps Using Machine Learning Methods with Feature Engineering and SMOTE Technique. Applied Sciences (Switzerland), 2022, 12, 5547.	1.3	11
42	Pixel distribution-based features for offline Arabic handwritten word recognition. International Journal of Computational Vision and Robotics, 2017, 7, 99.	0.2	10
43	Intrusion Detection using Decision Tree Model in High-Speed Environment. , 2018, , .		10
44	Stacked Ensemble for Bioactive Molecule Prediction. IEEE Access, 2019, 7, 153952-153957.	2.6	10
45	A Hybrid Channel-Communication-Enabled CNN-LSTM Model for Electricity Load Forecasting. Energies, 2022, 15, 2263.	1.6	10
46	Enhanced structural perceptual feature extraction model for Arabic literal amount recognition. International Journal of Intelligent Systems Technologies and Applications, 2016, 15, 240.	0.2	9
47	Detecting Health-Related Rumors on Twitter using Machine Learning Methods. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.5	9
48	Multi-constraints based deep learning model for automated segmentation and diagnosis of coronary artery disease in X-ray angiographic images. PeerJ Computer Science, 0, 8, e993.	2.7	9
49	Graphâ€Based Consensus Clustering for Combining Multiple Clusterings of Chemical Structures. Molecular Informatics, 2013, 32, 165-178.	1.4	8
50	Quantum probability ranking principle for ligand-based virtual screening. Journal of Computer-Aided Molecular Design, 2017, 31, 365-378.	1.3	8
51	Quality dimensions features for identifying high-quality user replies in text forum threads using classification methods. PLoS ONE, 2019, 14, e0215516.	1.1	8
52	Toward Home Automation: An IoT Based Home Automation System Control and Security. , 2021, , .		8
53	Fairness-Oriented Semichaotic Genetic Algorithm-Based Channel Assignment Technique for Node Starvation Problem in Wireless Mesh Networks. Computational Intelligence and Neuroscience, 2021, 2021, 1-19.	1.1	8
54	A Fuzzy-Based Context-Aware Misbehavior Detecting Scheme for Detecting Rogue Nodes in Vehicular Ad Hoc Network. Sensors, 2022, 22, 2810.	2.1	8

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55	Intelligent implementation of residential demand response using multiagent system and deep neural networks. Concurrency Computation Practice and Experience, 2021, 33, e6168.	1.4	7
56	Power aware routing algorithms (PARA) in wireless mesh networks for emergency management. PLoS ONE, 2018, 13, e0204751.	1.1	6
57	Route Path Selection Optimization Scheme Based Link Quality Estimation and Critical Switch Awareness for Software Defined Networks. Applied Sciences (Switzerland), 2021, 11, 9100.	1.3	6
58	Feature Reduction for Molecular Similarity Searching Based on Autoencoder Deep Learning. Biomolecules, 2022, 12, 508.	1.8	6
59	Weighted voting-based consensus clustering for chemical structure databases. Journal of Computer-Aided Molecular Design, 2014, 28, 675-684.	1.3	5
60	Chi Square and Support Vector Machine with Recursive Feature Elimination for Gene Expression Data Classification. , 2019, , .		5
61	Bioactivity Prediction Using Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2020, , 341-351.	0.5	5
62	Using TRIZ Systematic Innovation Methods for Redesign Services in Small and Medium Enterprises. International Journal of Information Systems in the Service Sector, 2017, 9, 78-92.	0.2	5
63	An Enhanced Quadratic Angular Feature Extraction Model for Arabic Handwritten Literal Amount Recognition. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 369-377.	0.5	5
64	A New Graph-Based Molecular Descriptor Using the Canonical Representation of the Molecule. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	4
65	Combining multiple clusterings of chemical structures using cluster-based similarity partitioning algorithm. International Journal of Computational Biology and Drug Design, 2014, 7, 31.	0.3	4
66	Motivations for Value Co-creation in Higher Education Institutions Using Online Platforms: Case of Idea Bank. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.3	4
67	Bioactive molecule prediction using majority voting-based ensemble method. Journal of Intelligent and Fuzzy Systems, 2018, 35, 383-392.	0.8	4
68	Quasi-Identifier Recognition Algorithm for Privacy Preservation of Cloud Data Based on Risk Reidentification. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	0.8	4
69	LINGO-DOSM: LINGO for Descriptors of Outline Shape of Molecules. Lecture Notes in Computer Science, 2013, , 315-324.	1.0	4
70	Noninvasive Detection of Respiratory Disorder Due to COVID-19 at the Early Stages in Saudi Arabia. Electronics (Switzerland), 2021, 10, 2701.	1.8	4
71	Consensus Methods for Combining Multiple Clusterings of Chemical Structures. Journal of Chemical Information and Modeling, 2013, 53, 1026-1034.	2.5	3
72	Data Preprocessing Techniques for Research Performance Analysis. Advances in Intelligent Systems and Computing, 2017, , 157-162.	0.5	3

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73	A new affinity matrix weighted k-nearest neighbors graph to improve spectral clustering accuracy. PeerJ Computer Science, 2021, 7, e692.	2.7	3
74	Features Reweighting and Selection in ligand-based Virtual Screening for Molecular Similarity Searching Based on Deep Belief Networks. Advances in Data Science and Adaptive Analysis, 2020, 12, 2050009.	0.2	3
75	A New Collaborative Multi-Agent Monte Carlo Simulation Model for Spatial Correlation of Air Pollution Global Risk Assessment. Sustainability, 2022, 14, 510.	1.6	3
76	Using graph-based consensus clustering for combining K-means clustering of heterogeneous chemical structures. Journal of Cheminformatics, 2013, 5, .	2.8	2
77	Using Soft Consensus Clustering for Combining Multiple Clusterings of Chemical Structures. Jurnal Teknologi (Sciences and Engineering), 2013, 63, .	0.3	2
78	The Readiness and Limitations of E-Government in Yemen. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.3	2
79	Voting-based ensemble method for prediction of bioactive molecules. , 2017, , .		2
80	Quality Features for Summarizing Text Forum Threads by Selecting Quality Replies. Advances in Intelligent Systems and Computing, 2019, , 47-56.	0.5	2
81	LWDOSM: Language for Writing Descriptors of Outline Shape of Molecules. Communications in Computer and Information Science, 2012, , 247-256.	0.4	2
82	NEARMesh: Network environment aware routing in a Wireless Mesh Network for emergency-response. , 2017, , .		1
83	Clustering Web Users Based on K-means Algorithm for Reducing Time Access Cost. , 2019, , .		1
84	Wireless Remote Control-Security System for Entrances (WRC-SSE). , 2021, , .		1
85	Combining Multiple Clusterings of Chemical Structures Using Cumulative Voting-Based Aggregation Algorithm. Lecture Notes in Computer Science, 2013, , 178-185.	1.0	1
86	Molecular Similarity Searching with Different Similarity Coefficients and Different Molecular Descriptors. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 39-47.	0.5	1
87	Prototype Regularized Manifold Regularization Technique for Semi-Supervised Online Extreme Learning Machine. Sensors, 2022, 22, 3113.	2.1	1
88	Combining Multiple K-Means Clusterings of Chemical Structures Using Cluster-Based Similarity Partitioning Algorithm. Communications in Computer and Information Science, 2012, , 304-312.	0.4	0
89	AN ACTIVITY PREDICTION MODEL USING SHAPE-BASED DESCRIPTOR METHOD. Jurnal Teknologi (Sciences) Tj ETQq1 1 0.784314 rgBT	0.3	0
90	Data privacy model for social media platforms. , 2017, , .		0

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91	Design Science Research Roadmap Model for Information Systems Projects. International Journal of Information Technology Project Management, 2018, 9, 1-19.	0.3	0
92	A survey on predicting workloads and optimizing QoS in the cloud computing. , 2021, , .		0
93	Demand Response: Multiagent System Based DR Implementation. Transactions on Computational Science and Computational Intelligence, 2021, , 877-881.	0.3	0
94	Two Stage Integration of GPS, Kinematic Information, and Cooperative Awareness Messages Using Cascaded Kalman Filters. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 171-179.	0.5	0
95	Data Pre-processing Techniques for Publication Performance Analysis. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 59-65.	0.5	0
96	Methods to Improve Ranking Chemical Structures in Ligand-Based Virtual Screening. Advances in Intelligent Systems and Computing, 2020, , 259-269.	0.5	0
97	A Deep Learning Artificial Neural Network Algorithm for Instance-based Arabic Language Authorship Attribution. Advances in Data Science and Adaptive Analysis, 0, , .	0.2	0