Iqbal H Sarker

List of Publications by Year in Descending Order

96 papers	1,311 citations	20 h-index	34 g-index
109 ext. papers	2,332 ext. citations	3 avg, IF	6.77 L-index

#	Paper	IF	Citations
96	iMedMS: An IoT Based Intelligent Medication Monitoring System for Elderly Healthcare. *Lecture Notes in Networks and Systems*, **2022**, 302-313	0.5	1
95	BEmoC: A Corpus for Identifying Emotion in Bengali Texts.. *SN Computer Science*, **2022**, 3, 135	2	0
94	AI-Based Modeling: Techniques, Applications and Research Issues Towards Automation, Intelligent and Smart Systems.. *SN Computer Science*, **2022**, 3, 158	2	15
93	Detecting Smishing Attacks Using Feature Extraction and Classification Techniques. *Lecture Notes on Data Engineering and Communications Technologies*, **2022**, 677-689	0.4	0
92	Automatic Malware Categorization Based on K-Means Clustering Technique. *Lecture Notes on Data Engineering and Communications Technologies*, **2022**, 653-664	0.4	
91	InterPlanetary File System-Based Decentralized and Secured Electronic Health Record System Using Lightweight Algorithm. *Lecture Notes on Data Engineering and Communications Technologies*, **2022**, 691-702	0.4	
90	Transfer learning with fine-tuned deep CNN ResNet50 model for classifying COVID-19 from chest X-ray images.. *Informatics in Medicine Unlocked*, **2022**, 30, 100916	5.3	1
89	Spam Filtering of Mobile SMS Using CNN STM Based Deep Learning Model. *Lecture Notes in Networks and Systems*, **2022**, 106-116	0.5	2
88	CARAN: A Context-Aware Recency Based Attention Network for Point-of-interest Recommendation. *IEEE Access*, **2022**, 1-1	3.5	1
87	Smart City Data Science: Towards data-driven smart cities with open research issues. *Internet of Things (Netherlands)*, **2022**, 100528	6.9	5
86	COVID-19 analytics: Towards the effect of vaccine brands through analyzing public sentiment of tweets. *Informatics in Medicine Unlocked*, **2022**, 31, 100969	5.3	0
85	Application Scenarios and Basic Structure for Context-Aware Machine Learning Framework **2021**, 15-22		
84	Contextual Mobile Datasets, Pre-processing and Feature Selection **2021**, 59-73		
83	Word Embedding based Textual Semantic Similarity Measure in Bengali. *Procedia Computer Science*, **2021**, 193, 92-101	1.6	0
82	Context-Aware Rule-Based Expert System Modeling **2021**, 129-136		
81	Deep Learning for Contextual Mobile Data Analytics **2021**, 137-146		
80	Introduction to Context-Aware Machine Learning and Mobile Data Analytics **2021**, 3-13		

79	Context-Aware Machine Learning System: Applications and Challenging Issues **2021**, 147-157		
78	Recency-Based Updating and Dynamic Management of Contextual Rules **2021**, 113-125		
77	A Literature Review on Context-Aware Machine Learning and Mobile Data Analytics **2021**, 23-56		
76	Discretization of Time-Series Behavioral Data and Rule Generation based on Temporal Context **2021**, 75-92		
75	Discovering User Behavioral Rules Based on Multi-Dimensional Contexts **2021**, 93-111		
74	Mobile Expert System: Exploring Context-Aware Machine Learning Rules for Personalized Decision-Making in Mobile Applications. *Symmetry*, **2021**, 13, 1975	2.7	2
73	Machine Learning: Algorithms, Real-World Applications and Research Directions. *SN Computer Science*, **2021**, 2, 160	2	230
72	Deep Cybersecurity: A Comprehensive Overview from Neural Network and Deep Learning Perspective. *SN Computer Science*, **2021**, 2, 1	2	27
71	AI-Driven Cybersecurity: An Overview, Security Intelligence Modeling and Research Directions. *SN Computer Science*, **2021**, 2, 1	2	16
70	CyberLearning: Effectiveness analysis of machine learning security modeling to detect cyber-anomalies and multi-attacks. *Internet of Things (Netherlands)*, **2021**, 14, 100393	6.9	22
69	Data Science and Analytics: An Overview from Data-Driven Smart Computing, Decision-Making and Applications Perspective. *SN Computer Science*, **2021**, 2, 377	2	19
68	Mobile Data Science and Intelligent Apps: Concepts, AI-Based Modeling and Research Directions. *Mobile Networks and Applications*, **2021**, 26, 285-303	2.9	33
67	. *IEEE Access*, **2021**, 9, 54435-54456	3.5	1
66	Active Vision-Based Attention Monitoring System for Non-Distracted Driving. *IEEE Access*, **2021**, 9, 28540-28557	3.5	1
65	Text Classification Using Convolution Neural Networks with FastText Embedding. *Advances in Intelligent Systems and Computing*, **2021**, 103-113	0.4	3
64	Predicting Individual Substance Abuse Vulnerability Using Machine Learning Techniques. *Advances in Intelligent Systems and Computing*, **2021**, 412-421	0.4	1
63	SentiLSTM: A Deep Learning Approach for Sentiment Analysis of Restaurant Reviews. *Advances in Intelligent Systems and Computing*, **2021**, 193-203	0.4	3
62	An Isolation Forest Learning Based Outlier Detection Approach for Effectively Classifying Cyber Anomalies. *Advances in Intelligent Systems and Computing*, **2021**, 270-279	0.4	0

61	Towards POS Tagging Methods for Bengali Language: A Comparative Analysis. *Advances in Intelligent Systems and Computing*, **2021**, 1111-1123	0.4	2
60	An Effective Heart Disease Prediction Model Based on Machine Learning Techniques. *Advances in Intelligent Systems and Computing*, **2021**, 280-288	0.4	
59	An Efficient K-Means Clustering Algorithm for Analysing COVID-19. *Advances in Intelligent Systems and Computing*, **2021**, 422-432	0.4	2
58	A Data-Driven Heart Disease Prediction Model Through K-Means Clustering-Based Anomaly Detection. *SN Computer Science*, **2021**, 2, 1	2	6
57	Mobile Deep Learning: Exploring Deep Neural Network for Predicting Context-Aware Smartphone Usage. *SN Computer Science*, **2021**, 2, 1	2	
56	Deep Learning: A Comprehensive Overview on Techniques, Taxonomy, Applications and Research Directions. *SN Computer Science*, **2021**, 2, 420	2	71
55	Bengali text document categorization based on very deep convolution neural network. *Expert Systems With Applications*, **2021**, 184, 115394	7.8	8
54	Authorship Classification in a Resource Constraint Language Using Convolutional Neural Networks. *IEEE Access*, **2021**, 9, 100319-100338	3.5	3
53	Attribute Driven Temporal Active Online Community Search. *IEEE Access*, **2021**, 9, 93976-93989	3.5	1
52	IntruDTree: A Machine Learning Based Cyber Security Intrusion Detection Model. *Symmetry*, **2020**, 12, 754	2.7	63
51	A Survey of Context-Aware Access Control Mechanisms for Cloud and Fog Networks: Taxonomy and Open Research Issues. *Sensors*, **2020**, 20,	3.8	23
50	ContextPCA: Predicting Context-Aware Smartphone Apps Usage Based On Machine Learning Techniques. *Symmetry*, **2020**, 12, 499	2.7	23
49	. *IEEE Transactions on Artificial Intelligence*, **2020**, 1, 258-270	4.7	16
48	Context pre-modeling: an empirical analysis for classification based user-centric context-aware predictive modeling. *Journal of Big Data*, **2020**, 7,	11.7	5
47	Rice Leaf Diseases Recognition Using Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2020**, 299-314	0.9	3
46	Cyber Intrusion Detection Using Machine Learning Classification Techniques. *Communications in Computer and Information Science*, **2020**, 121-131	0.3	26
45	A Rule-Based Expert System to Assess Coronary Artery Disease Under Uncertainty. *Communications in Computer and Information Science*, **2020**, 143-159	0.3	8
44	Crime Prediction Using Spatio-Temporal Data. *Communications in Computer and Information Science*, **2020**, 277-289	0.3	12

43	CalBehav: A Machine Learning-Based Personalized Calendar Behavioral Model Using Time-Series Smartphone Data. *Computer Journal*, **2020**, 63, 1109-1123	1.3	7
42	BehavDT: A Behavioral Decision Tree Learning to Build User-Centric Context-Aware Predictive Model. *Mobile Networks and Applications*, **2020**, 25, 1151-1161	2.9	38
41	Detecting Suspicious Texts Using Machine Learning Techniques. *Applied Sciences (Switzerland)*, **2020**, 10, 6527	2.6	11
40	ABC-RuleMiner: User behavioral rule-based machine learning method for context-aware intelligent services. *Journal of Network and Computer Applications*, **2020**, 168, 102762	7.9	30
39	Cybersecurity data science: an overview from machine learning perspective. *Journal of Big Data*, **2020**, 7,	11.7	86
38	AquaVision: Automating the detection of waste in water bodies using deep transfer learning. *Case Studies in Chemical and Environmental Engineering*, **2020**, 2, 100026	7.5	18
37	E-MIIM: an ensemble-learning-based context-aware mobile telephony model for intelligent interruption management. *AI and Society*, **2020**, 35, 459-467	2.1	3
36	Mining individualized context-dependent behavioral rules from smartphone data. *Journal of Ambient Intelligence and Smart Environments*, **2019**, 11, 369-370	2.2	
35	AppsPred: Predicting context-aware smartphone apps using random forest learning. *Internet of Things (Netherlands)*, **2019**, 8, 100106	6.9	21
34	Performance Analysis of Machine Learning Techniques to Predict Diabetes Mellitus **2019**,		31
33	A machine learning based robust prediction model for real-life mobile phone data. *Internet of Things (Netherlands)*, **2019**, 5, 180-193	6.9	51
32	RecencyMiner: mining recency-based personalized behavior from contextual smartphone data. *Journal of Big Data*, **2019**, 6,	11.7	28
31	Effectiveness analysis of machine learning classification models for predicting personalized context-aware smartphone usage. *Journal of Big Data*, **2019**, 6,	11.7	75
30	Context-aware rule learning from smartphone data: survey, challenges and future directions. *Journal of Big Data*, **2019**, 6,	11.7	42
29	Research issues in mining user behavioral rules for context-aware intelligent mobile applications. *Iran Journal of Computer Science*, **2019**, 2, 41-51	1.9	9
28	Individualized Time-Series Segmentation for Mining Mobile Phone User Behavior. *Computer Journal* , **2018**, 61, 349-368	1.3	48
27	An Improved Naive Bayes Classifier-Based Noise Detection Technique for Classifying User Phone Call Behavior. *Communications in Computer and Information Science*, **2018**, 72-85	0.3	8
26	Mining User Behavioral Rules from Smartphone Data Through Association Analysis. *Lecture Notes in Computer Science*, **2018**, 450-461	0.9	14

25	BehavMiner: Mining User Behaviors from Mobile Phone Data for Personalized Services **2018**,		7
24	An effective call prediction model based on noisy mobile phone data **2017**,		3
23	An Approach to Modeling Call Response Behavior on Mobile Phones Based on Multi-Dimensional Contexts **2017**,		6
22	Understanding recency-based behavior model for individual mobile phone users **2017**,		5
21	Identifying Recent Behavioral Data Length in Mobile Phone Log **2017**,		3
20	Designing architecture of a rule-based system for managing phone call interruptions **2017**,		3
19	Phone call log as a context source to modeling individual user behavior **2016**,		20
18	Understanding individuals phone call behavior for calendar events **2016**,		2
17	Behavior-Oriented Time Segmentation for Mining Individualized Rules of Mobile Phone Users **2016**,		12
16	Evidence-Based Behavioral Model for Calendar Schedules of Individual Mobile Phone Users **2016**,		4
15	Predicting how you respond to phone calls **2016**,		2
14	A Survey of Software Development Process Models in Software Engineering. *International Journal of Software Engineering and Its Applications*, **2015**, 9, 55-70	0.1	5
13	MVC Architecture Driven Design and Implementation of Java Framework for Developing Desktop Application. *International Journal of Hybrid Information Technology*, **2014**, 7, 317-322		10
12	A New Audio Watermarking Method Based on Discrete Cosine Transform with a Gray Image. *International Journal of Computer Science and Information Technology*, **2012**, 4, 119-128	0.6	3
11	AI-Based Modeling: Techniques, Applications and Research Issues Towards Automation, Intelligent and Smart Systems		3
10	IntruDTree: A Machine Learning-Based Cyber Security Intrusion Detection Model		5
9	Cybersecurity Data Science: An Overview from Machine Learning Perspective		2
8	An Effective Heart Disease Prediction Model based on Machine Learning Techniques		2

List of Publications

7	Data Science and Analytics: An Overview from Data-Driven Smart Computing, Decision-Making and Applications Perspective		7
6	Adverse effects of COVID-19 vaccination: machine learning and statistical approach to identify and classify incidences of morbidity and post-vaccination reactogenicity		5
5	AI-Driven Cybersecurity: An Overview, Security Intelligence Modeling and Research Directions		3
4	Deep Cybersecurity: A Comprehensive Overview from Neural Network and Deep Learning Perspective		3
3	A Machine Learning Model for Predicting Individual Substance Abuse with Associated Risk-Factors. *Annals of Data Science*,1	1.6	0
2	Internet of Things (IoT) Security Intelligence: A Comprehensive Overview, Machine Learning Solutions and Research Directions. *Mobile Networks and Applications*,1	2.9	10
1	Modeling Hybrid Feature-Based Phishing Websites Detection Using Machine Learning Techniques. *Annals of Data Science*,1	1.6	2