

Shahadat Uddin

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

1,523
citations

19
h-index

34
g-index

118
ext. papers

2,359
ext. citations

3.5
avg, IF

5.48
L-index

#	Paper	IF	Citations
105	Suburban Road Networks to Explore COVID-19 Vulnerability and Severity.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	1
104	Comorbidity progression patterns of major chronic diseases: The impact of age, gender and time-window.. <i>Chronic Illness</i> , 2022 , 17423953221087647	1.4	0
103	How do economic and public finance statuses affect policy responses during a pandemic? - learning from the COVID-19 first wave.. <i>BMC Public Health</i> , 2022 , 22, 785	4.1	2
102	Comparative performance analysis of K-nearest neighbour (KNN) algorithm and its different variants for disease prediction.. <i>Scientific Reports</i> , 2022 , 12, 6256	4.9	11
101	Comparing the Impact of Road Networks on COVID-19 Severity between Delta and Omicron Variants: A Study Based on Greater Sydney (Australia) Suburbs. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19, 6551	4.6	0
100	Fast COVID-19 versus H1N1 screening using Optimized Parallel Inception. <i>Expert Systems With Applications</i> , 2022 , 204, 117551	7.8	0
99	A deep learning approach using effective preprocessing techniques to detect COVID-19 from chest CT-scan and X-ray images. <i>Computers in Biology and Medicine</i> , 2021 , 139, 105014	7	6
98	A weighted patient network-based framework for predicting chronic diseases using graph neural networks. <i>Scientific Reports</i> , 2021 , 11, 22607	4.9	1
97	Intelligent type 2 diabetes risk prediction from administrative claim data. <i>Informatics for Health and Social Care</i> , 2021 , 1-15	2.7	1
96	Machine Learning Approach to Predicting COVID-19 Disease Severity Based on Clinical Blood Test Data: Statistical Analysis and Model Development. <i>JMIR Medical Informatics</i> , 2021 , 9, e25884	3.6	19
95	How did socio-demographic status and personal attributes influence compliance to COVID-19 preventive behaviours during the early outbreak in Japan? Lessons for pandemic management. <i>Personality and Individual Differences</i> , 2021 , 175, 110692	3.3	18
94	Network analytics and machine learning for predictive risk modelling of cardiovascular disease in patients with type 2 diabetes. <i>Expert Systems With Applications</i> , 2021 , 164, 113918	7.8	11
93	Onslaught of COVID-19: How Did Governments React and at What Point of the Crisis?. <i>Population Health Management</i> , 2021 , 24, 13-19	1.8	7
92	Use of Electronic Health Data for Disease Prediction: A Comprehensive Literature Review. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 745-758	3	14
91	Emotion Recognition From EEG Signal Focusing on Deep Learning and Shallow Learning Techniques. <i>IEEE Access</i> , 2021 , 9, 94601-94624	3.5	16
90	A Deep Convolutional Neural Network Method to Detect Seizures and Characteristic Frequencies Using Epileptic Electroencephalogram (EEG) Data. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2021 , 9, 2000112	3	9
89	A Comparative Performance Analysis of Data Resampling Methods on Imbalance Medical Data. <i>IEEE Access</i> , 2021 , 9, 109960-109975	3.5	17

88	The implementation of public health and economic measures during the first wave of COVID-19 by different countries with respect to time, infection rate and death rate 2021 ,		2
87	Machine learning and network-based models to identify genetic risk factors to the progression and survival of colorectal cancer. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104539	7	2
86	TClustVID: A novel machine learning classification model to investigate topics and sentiment in COVID-19 tweets. <i>Knowledge-Based Systems</i> , 2021 , 226, 107126	7.3	32
85	Identifying molecular insight of synergistic complexities for SARS-CoV-2 infection with pre-existing type 2 diabetes. <i>Computers in Biology and Medicine</i> , 2021 , 136, 104668	7	3
84	A machine learning model to identify early stage symptoms of SARS-Cov-2 infected patients. <i>Expert Systems With Applications</i> , 2020 , 160, 113661	7.8	57
83	Network-Based Genetic Profiling Reveals Cellular Pathway Differences Between Follicular Thyroid Carcinoma and Follicular Thyroid Adenoma. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	11
82	A Framework to Understand the Progression of Cardiovascular Disease for Type 2 Diabetes Mellitus Patients Using a Network Approach. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	10
81	Spatiotemporal association patterns in a supergroup of Rwenzori black-and-white colobus (<i>Colobus angolensis ruwenzorii</i>) are consistent with a multilevel society. <i>American Journal of Primatology</i> , 2020 , 82, e23127	2.5	6
80	A Systematic Review of Network Studies Based on Administrative Health Data. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
79	A Network-Based Bioinformatics Approach to Identify Molecular Biomarkers for Type 2 Diabetes that Are Linked to the Progression of Neurological Diseases. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	25
78	Understanding the Progression of Congestive Heart Failure of Type 2 Diabetes Patient Using Disease Network and Hospital Claim Data. <i>Studies in Computational Intelligence</i> , 2020 , 774-788	0.8	2
77	Research interdisciplinarity: STEM versus non-STEM. <i>Scientometrics</i> , 2020 , 126, 1-16	3	2
76	Actor-Level Dynamicity: Its Distribution Analysis Eases Anomaly Detection in Longitudinal Networks. <i>IEEE Access</i> , 2019 , 7, 69422-69433	3.5	1
75	Chronic disease prediction using administrative data and graph theory: The case of type 2 diabetes. <i>Expert Systems With Applications</i> , 2019 , 136, 230-241	7.8	16
74	A research framework to explore knowledge evolution and scholarly quantification of collaborative research. <i>Scientometrics</i> , 2019 , 119, 789-803	3	2
73	Few research fields play major role in interdisciplinary grant success. <i>Scientometrics</i> , 2019 , 119, 237-246	3	4
72	Understanding the Comorbidity of Multiple Chronic Diseases Using a Network Approach 2019 ,		2
71	Machine Learning-Based Models for Early Stage Detection of Autism Spectrum Disorders. <i>IEEE Access</i> , 2019 , 7, 166509-166527	3.5	38

70	Bioinformatics Methodologies to Identify Interactions Between Type 2 Diabetes and Neurological Comorbidities. <i>IEEE Access</i> , 2019 , 7, 183948-183970	3.5	17
69	Comparing different supervised machine learning algorithms for disease prediction. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 281	3.6	215
68	Comorbidity network for chronic disease: A novel approach to understand type 2 diabetes progression. <i>International Journal of Medical Informatics</i> , 2018 , 115, 1-9	5.3	30
67	Evolutionary Community Mining for Link Prediction in Dynamic Networks. <i>Studies in Computational Intelligence</i> , 2018 , 127-138	0.8	4
66	Triad Census and Subgroup Analysis of Patient-Sharing Physician Collaborations. <i>IEEE Access</i> , 2018 , 6, 72233-72240	3.5	2
65	Policy content and stakeholder network analysis for infant and young child feeding in Nepal. <i>BMC Public Health</i> , 2017 , 17, 421	4.1	8
64	Understanding chronic disease comorbidities from baseline networks 2017 ,		2
63	The optimal window size for analysing longitudinal networks. <i>Scientific Reports</i> , 2017 , 7, 13389	4.9	7
62	Mining Actor-level Structural and Neighborhood Evolution for Link Prediction in Dynamic Networks 2017 ,		1
61	Overview of the infant and young child feeding policy environment in Pakistan: Federal, Sindh and Punjab context. <i>BMC Public Health</i> , 2017 , 17, 474	4.1	6
60	Analysis of stakeholders networks of infant and young child nutrition programmes in Sri Lanka, India, Nepal, Bangladesh and Pakistan. <i>BMC Public Health</i> , 2017 , 17, 405	4.1	15
59	Policy content and stakeholder network analysis for infant and young child feeding in Bangladesh. <i>BMC Public Health</i> , 2017 , 17, 402	4.1	7
58	Policy content and stakeholder network analysis for infant and young child feeding in India. <i>BMC Public Health</i> , 2017 , 17, 461	4.1	12
57	Policy and stakeholder analysis of infant and young child feeding programmes in Sri Lanka. <i>BMC Public Health</i> , 2017 , 17, 522	4.1	4
56	Anomaly Detection on Big Data in Financial Markets 2017 ,		13
55	Evolution Similarity for Dynamic Link Prediction in Longitudinal Networks. <i>Springer Proceedings in Complexity</i> , 2017 , 109-118	0.3	2
54	A Social Network Framework to Explore Healthcare Collaboration 2017 , 12-34		0
53	A set of measures to quantify the dynamicity of longitudinal social networks. <i>Complexity</i> , 2016 , 21, 309-320	3.2	10

52	Time-aware link prediction to explore network effects on temporal knowledge evolution. <i>Scientometrics</i> , 2016 , 108, 745-776	3	29
51	Exploring the impact of different multi-level measures of physician communities in patient-centric care networks on healthcare outcomes: A multi-level regression approach. <i>Scientific Reports</i> , 2016 , 6, 20222	4.9	20
50	The impact of author-selected keywords on citation counts. <i>Journal of Informetrics</i> , 2016 , 10, 1166-1177	3.1	50
49	Modeling networked systems using the topologically distributed bounded rationality framework. <i>Complexity</i> , 2016 , 21, 123-137	1.6	7
48	Longitudinal trends in global obesity research and collaboration: a review using bibliometric metadata. <i>Obesity Reviews</i> , 2016 , 17, 377-85	10.6	43
47	Adapting graph theory and social network measures on healthcare data 2016 ,		6
46	A framework for administrative claim data to explore healthcare coordination and collaboration. <i>Australian Health Review</i> , 2016 , 40, 500-510	1.8	10
45	Predicting the Future of Project Management Research. <i>Procedia, Social and Behavioral Sciences</i> , 2016 , 226, 27-34		9
44	A topological framework to explore longitudinal social networks. <i>Computational and Mathematical Organization Theory</i> , 2015 , 21, 48-68	2.1	8
43	Systemic Consultation in Intellectual Disability Case Management. <i>Australian and New Zealand Journal of Family Therapy</i> , 2015 , 36, 258-272	1.1	1
42	A framework to explore the knowledge structure of multidisciplinary research fields. <i>PLoS ONE</i> , 2015 , 10, e0123537	3.7	25
41	Administrative Claim Data to Learn about Effective Healthcare Collaboration and Coordination through Social Network 2015 ,		9
40	Transitivity, hierarchy and reciprocity of organizational communication network during crisis. <i>International Journal of Organizational Analysis</i> , 2015 , 23, 2-20	2.1	2
39	A Social Network Framework to Explore Healthcare Collaboration. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2015 , 44-66	0.3	0
38	Impact of Physician Community Structure on Healthcare Outcomes. <i>Studies in Health Technology and Informatics</i> , 2015 , 214, 152-8	0.5	6
37	Influence of vaccination strategies and topology on the herd immunity of complex networks. <i>Social Network Analysis and Mining</i> , 2014 , 4, 1	2.2	6
36	The impact of study load on the dynamics of longitudinal email communications among students. <i>Computers and Education</i> , 2014 , 72, 209-219	9.5	10
35	Optimisation of strategy placements for public good in complex networks 2014 ,		2

34	New Direction in Degree Centrality Measure: Towards a Time-Variant Approach. <i>International Journal of Information Technology and Decision Making</i> , 2014 , 13, 865-878	2.8	6
33	Application of network analysis on healthcare 2014 ,		7
32	Quantifying topological robustness of networks under sustained targeted attacks. <i>Social Network Analysis and Mining</i> , 2013 , 3, 939-952	2.2	21
31	A study of physician collaborations through social network and exponential random graph. <i>BMC Health Services Research</i> , 2013 , 13, 234	2.9	33
30	Exploring communication networks to understand organizational crisis using exponential random graph models. <i>Computational and Mathematical Organization Theory</i> , 2013 , 19, 25-41	2.1	15
29	Conceptual Quantification of the Dynamicity of Longitudinal Social Networks 2013 ,		2
28	Dynamics of email communications among university students throughout a semester. <i>Computers and Education</i> , 2013 , 64, 95-103	9.5	13
27	Communication network dynamics during organizational crisis. <i>Journal of Informetrics</i> , 2013 , 7, 16-35	3.1	14
26	Topological analysis of longitudinal networks 2013 ,		11
25	Network effects on scientific collaborations. <i>PLoS ONE</i> , 2013 , 8, e57546	3.7	81
24	Situated Response and Learning of Distributed Bushfire Coordinating Teams. <i>Journal of Homeland Security and Emergency Management</i> , 2013 , 10,	1.2	1
23	Mapping and modeling of physician collaboration network. <i>Statistics in Medicine</i> , 2013 , 32, 3539-51	2.3	18
22	Assessing online community-building through assortativity, density and centralization in social networks 2013 ,		1
21	Dyad and Triad Census Analysis of Crisis Communication Network. <i>Social Networking</i> , 2013 , 02, 32-41	0.7	6
20	Trend and efficiency analysis of co-authorship network. <i>Scientometrics</i> , 2012 , 90, 687-699	3	88
19	Socioeconomic analysis of patient-centric networks: effects of patients and hospitalsT characteristics and network structure on hospitalization costs. <i>European Journal of Health Economics</i> , 2012 , 13, 267-76	3.6	7
18	Design patterns: coordination in complex and dynamic environments. <i>Disaster Prevention and Management</i> , 2012 , 21, 336-350	1.5	12
17	Community evolution and engagement through assortative mixing in online social networks 2012 ,		3

16	Measuring topological robustness of networks under sustained targeted attacks 2012 ,		10
15	Capturing actor-level dynamics of longitudinal networks 2012 ,		7
14	Effect of physician collaboration network on hospitalization cost and readmission rate. <i>European Journal of Public Health</i> , 2012 , 22, 629-33	2.1	42
13	Social networks enabled coordination model for cost management of patient hospital admissions. <i>Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality</i> , 2011 , 33, 37-48	1	16
12	Disaster coordination preparedness of soft-target organisations. <i>Disasters</i> , 2011 , 35, 623-38	2.8	14
11	Evolutionary dynamics of scientific collaboration networks: multi-levels and cross-time analysis. <i>Scientometrics</i> , 2011 , 89, 687-710	3	78
10	Power-law behavior in complex organizational communication networks during crisis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 2845-2853	3.3	19
9	Static versus dynamic topology of complex communications network during organizational crisis. <i>Complexity</i> , 2011 , 16, 27-36	1.6	15
8	Exponential random graph modeling of communication networks to understand organizational crisis 2011 ,		4
7	Time Scale Degree Centrality: A Time-Variant Approach to Degree Centrality Measures 2011 ,		3
6	Exploring physical, mental and psychological health for elders through their personal networks 2009 ,		2
5	Towards Coordination Preparedness of Soft-Target Organisation. <i>Lecture Notes in Computer Science</i> , 2009 , 54-64	0.9	4
4	A disease network-based recommender system framework for predictive risk modelling of chronic diseases and their comorbidities. <i>Applied Intelligence</i> ,1	4.9	3
3	TClustVID: A Novel Machine Learning Classification Model to Investigate Topics and Sentiment in COVID-19 Tweets		5
2	Adverse effects of COVID-19 vaccination: machine learning and statistical approach to identify and classify incidences of morbidity and post-vaccination reactogenicity		5
1	A patient network-based machine learning model for disease prediction: The case of type 2 diabetes mellitus. <i>Applied Intelligence</i> ,1	4.9	9