

# Muhammad Abulaish

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

1,227  
citations

516710

16  
h-index

526287

27  
g-index

109  
all docs

109  
docs citations

109  
times ranked

940  
citing authors

#	ARTICLE	IF	CITATIONS
1	A generic statistical approach for spam detection in Online Social Networks. Computer Communications, 2013, 36, 1120-1129.	5.1	144
2	A Hybrid Approach for Detecting Automated Spammers in Twitter. IEEE Transactions on Information Forensics and Security, 2018, 13, 2707-2719.	6.9	93
3	Community-based features for identifying spammers in online social networks. , 2013, , .		56
4	An MCL-Based Approach for Spam Profile Detection in Online Social Networks. , 2012, , .		51
5	HOCTracker: Tracking the Evolution of Hierarchical and Overlapping Communities in Dynamic Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1019-1013.	5.7	51
6	BiSAL – A bilingual sentiment analysis lexicon to analyze Dark Web forums for cyber security. Digital Investigation, 2015, 14, 53-62.	3.2	46
7	Multi-Label Classification of Microblogging Texts Using Convolution Neural Network. IEEE Access, 2019, 7, 68678-68691.	4.2	39
8	Feature and Opinion Mining for Customer Review Summarization. Lecture Notes in Computer Science, 2009, , 219-224.	1.3	36
9	Biological relation extraction and query answering from MEDLINE abstracts using ontology-based text mining. Data and Knowledge Engineering, 2007, 61, 228-262.	3.4	31
10	DeepSBD: A Deep Neural Network Model With Attention Mechanism for SocialBot Detection. IEEE Transactions on Information Forensics and Security, 2021, 16, 4211-4223.	6.9	31
11	Self-Deprecating Sarcasm Detection: An Amalgamation of Rule-Based and Machine Learning Approach. , 2018, , .		26
12	A Survey of Figurative Language and Its Computational Detection in Online Social Networks. ACM Transactions on the Web, 2020, 14, 1-52.	2.5	26
13	Interoperability among Distributed Overlapping Ontologies–A Fuzzy Ontology Framework. , 2006, , .		23
14	A concept-driven biomedical knowledge extraction and visualization framework for conceptualization of text corpora. Journal of Biomedical Informatics, 2010, 43, 1020-1035.	4.3	23
15	A social graph based text mining framework for chat log investigation. Digital Investigation, 2014, 11, 349-362.	3.2	22
16	CAT-BiGRU: Convolution and Attention with Bi-Directional Gated Recurrent Unit for Self-Deprecating Sarcasm Detection. Cognitive Computation, 2022, 14, 91-109.	5.2	22
17	Analysis and mining of online social networks: emerging trends and challenges. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 408-444.	6.8	21
18	Spammer Classification Using Ensemble Methods over Structural Social Network Features. , 2014, , .		21

#	ARTICLE	IF	CITATIONS
19	A Fuzzy Ontology Generation Framework for Handling Uncertainties and Nonuniformity in Domain Knowledge Description. , 2007, , .		20
20	Ranking Radically Influential Web Forum Users. IEEE Transactions on Information Forensics and Security, 2015, 10, 1289-1298.	6.9	20
21	Statistical Features Identification for Sentiment Analysis Using Machine Learning Techniques. , 2013, , .		18
22	Using communities against deception in online social networks. Computer Fraud and Security, 2014, 2014, 8-16.	1.6	18
23	OCMiner: A density-based overlapping community detection method for social networks. Intelligent Data Analysis, 2015, 19, 917-947.	0.9	16
24	Why a socialbot is effective in Twitter? A statistical insight. , 2017, , .		16
25	Mining feature-opinion pairs and their reliability scores from web opinion sources. , 2012, , .		15
26	Twitter Data Mining for Events Classification and Analysis. , 2015, , .		13
27	Overlapping Social Network Communities and Viral Marketing. , 2013, , .		12
28	CRecSys: A Context-Based Recommender System Using Collaborative Filtering and LOD. IEEE Access, 2020, 8, 158432-158448.	4.2	12
29	Biological Ontology Enhancement with Fuzzy Relations: A Text-Mining Framework. , 0, , .		11
30	Identifying cliques in dark web forums - An agglomerative clustering approach. , 2012, , .		11
31	DiseaSE: A biomedical text analytics system for disease symptom extraction and characterization. Journal of Biomedical Informatics, 2019, 100, 103324.	4.3	11
32	A Multi-Attributed Graph-Based Approach for Text Data Modeling and Event Detection in Twitter. , 2019, , .		11
33	A Framework for Extending Fuzzy Description Logic to Ontology Based Document Processing. Lecture Notes in Computer Science, 2004, , 95-104.	1.3	10
34	A Graph-Theoretic Embedding-Based Approach for Rumor Detection in Twitter. , 2019, , .		10
35	OCTracker: A Density-Based Framework for Tracking the Evolution of Overlapping Communities in OSNs. , 2012, , .		9
36	Graph-based learning model for detection of SMS spam on smart phones. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
37	Data Warehousing Based Computer Forensics Investigation Framework. , 2015, , .		9
38	Identifying active, reactive, and inactive targets of socialbots in Twitter. , 2017, , .		9
39	A Text Data Augmentation Approach for Improving the Performance of CNN. , 2019, , .		9
40	Socialbots: Impacts, Threat-Dimensions, and Defense Challenges. IEEE Technology and Society Magazine, 2020, 39, 52-61.	0.8	9
41	A socialbots analysis-driven graph-based approach for identifying coordinated campaigns in twitter. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2961-2977.	1.4	9
42	Modeling Topic Evolution in Twitter: An Embedding-Based Approach. IEEE Access, 2018, 6, 64847-64857.	4.2	8
43	Exploring Molecular Descriptors and Fingerprints to Predict mTOR Kinase Inhibitors using Machine Learning Techniques. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1902-1913.	3.0	8
44	Using SMOTE to Deal with Class-Imbalance Problem in Bioactivity Data to Predict mTOR Inhibitors. SN Computer Science, 2020, 1, 1.	3.6	8
45	An Efficient Subgraph Isomorphism Solver for Large Graphs. IEEE Access, 2021, 9, 61697-61709.	4.2	8
46	An Ontology Based Information Security Requirements Engineering Framework. Communications in Computer and Information Science, 2011, , 139-146.	0.5	7
47	DigLA “ A Digsby log analysis tool to identify forensic artifacts. Digital Investigation, 2013, 9, 222-234.	3.2	7
48	Classifier Ensembles Using Structural Features For Spammer Detection In Online Social Networks. Foundations of Computing and Decision Sciences, 2015, 40, 89-105.	1.2	7
49	Domain-Specific Keyword Extraction Using Joint Modeling of Local and Global Contextual Semantics. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-30.	3.5	7
50	Self-deprecating Humor Detection: A Machine Learning Approach. Communications in Computer and Information Science, 2020, , 483-494.	0.5	6
51	Text Mining through Entity-Relationship Based Information Extraction. , 2007, , .		5
52	Web content mining for alias identification: A first step towards suspect tracking. , 2011, , .		5
53	An MCL-Based Text Mining Approach for Namesake Disambiguation on the Web. , 2012, , .		5
54	A Layered Approach for Summarization and Context Learning from Microblogging Data. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
55	CAMO: A context-aware movie ontology generated from LOD and movie databases. Multimedia Tools and Applications, 2021, 80, 7247-7269.	3.9	5
56	Fuzzy ontologies for handling uncertainties and inconsistencies in domain knowledge description. , 2008, , .		4
57	Deep Text Mining for Automatic Keyphrase Extraction from Text Documents. Journal of Intelligent Systems, 2011, 20, .	1.6	4
58	A User-Centric Feature Identification and Modeling Approach to Infer Social Ties in OSNs. , 2013, , .		4
59	An Ontology Enhancement Framework to Accommodate Imprecise Concepts and Relations. Journal of Emerging Technologies in Web Intelligence, 2009, 1, .	0.6	4
60	xMiner: Nip the Zero Day Exploits in the Bud. , 2011, , .		3
61	A density-based approach for mining overlapping communities from social network interactions. , 2012, , .		3
62	Namesake alias mining on the Web and its role towards suspect tracking. Information Sciences, 2014, 276, 123-145.	6.9	3
63	Efficient processing of SPARQL queries over GraphFrames. , 2017, , .		3
64	Advances in Digital Forensics Frameworks and Tools. International Journal of Digital Crime and Forensics, 2018, 10, 95-119.	0.7	3
65	Biomedical Text Analytics for Characterizing Climate-Sensitive Disease. Procedia Computer Science, 2018, 132, 1002-1011.	2.0	3
66	Trust and Context-based Rating Prediction using Collaborative Filtering. , 2019, , .		3
67	SubISO: A Scalable and Novel Approach for Subgraph Isomorphism Search in Large Graph. , 2019, , .		3
68	Knowledge Enhancement Through Ontology-Guided Text Mining. Lecture Notes in Computer Science, 2005, , 601-604.	1.3	3
69	A Keyphrase-Based Tag Cloud Generation Framework to Conceptualize Textual Data. International Journal of Adaptive Resilient and Autonomic Systems, 2013, 4, 72-93.	0.3	3
70	Identification of Sybil Communities Generating Context-Aware Spam on Online Social Networks. Lecture Notes in Computer Science, 2013, , 268-279.	1.3	3
71	A web content mining approach for tag cloud generation. , 2011, , .		2
72	An Activity Pattern Based Wireless Intrusion Detection System. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
73	OntoLSA – An Integrated Text Mining System for Ontology Learning and Sentiment Analysis. Studies in Computational Intelligence, 2016, , 399-423.	0.9	2
74	A Novel Weighted Distance Measure for Multi-Attributed Graph. , 2017, , .		2
75	Context-Based Rating Prediction using Collaborative Filtering and Linked Open Data. , 2019, , .		2
76	Scaling density-based community detection to large-scale social networks via MapReduce framework. Journal of Intelligent and Fuzzy Systems, 2020, 38, 1663-1674.	1.4	2
77	A Rough-Fuzzy Ontology Generation Framework and Its Application to Bio-medical Text Processing. , 2007, , 74-79.		2
78	A Multilayer Perceptron Architecture for Detecting Deceptive Cryptocurrencies in Coin Market Capitalization Data. , 2019, , .		2
79	An Ontology-Based Pattern Mining System for Extracting Information from Biological Texts. Lecture Notes in Computer Science, 2005, , 420-429.	1.3	2
80	Modeling a Web Forum Ecosystem into an Enriched Social Graph. Lecture Notes in Computer Science, 2013, , 152-172.	1.3	2
81	Fuzzy Ontology-Based Text Mining System for Knowledge Acquisition, Ontology Enhancement, and Query Answering from Biomedical Texts. , 0, , 297-339.		1
82	Relation Characterization Using Ontological Concepts. , 2011, , .		1
83	Mining an enriched social graph to model cross-thread community interactions and interests. , 2012, , .		1
84	A Unified Framework for Community Structure Analysis in Dynamic Social Networks. , 2017, , 77-97.		1
85	A machine learning approach for socialbot targets detection on Twitter. Journal of Intelligent and Fuzzy Systems, 2021, 40, 4115-4133.	1.4	1
86	P2DF. International Journal of Digital Crime and Forensics, 2021, 13, 1-15.	0.7	1
87	Enhancing a Biological Concept Ontology to Fuzzy Relational Ontology with Relations Mined from Text. Lecture Notes in Computer Science, 2006, , 527-536.	1.3	1
88	A Relation Mining and Visualization Framework for Automated Text Summarization. Lecture Notes in Computer Science, 2009, , 249-254.	1.3	1
89	Ontology Enhancement for Including Newly Acquired Knowledge About Concept Descriptions and Answering Imprecise Queries. , 2006, , 189-225.		1
90	Opinion-Based Imprecise Query Answering. Lecture Notes in Computer Science, 2010, , 238-248.	1.3	1

#	ARTICLE	IF	CITATIONS
91	Forensic Analysis of Digsby Log Data to Trace Suspected User Activities. Lecture Notes in Electrical Engineering, 2012, , 119-126.	0.4	1
92	SentiLangN: A Language-Neutral Graph-Based Approach for Sentiment Analysis in Microblogging Data. , 2019, , .		1
93	A Contextual Semantic-Based Approach for Domain-Centric Lexicon Expansion. Lecture Notes in Computer Science, 2020, , 216-224.	1.3	1
94	Advances in Digital Forensics Frameworks and Tools. , 2020, , 165-191.		1
95	Ontological Representation for Links Into the Future. , 2007, , .		0
96	A Novel Snowball-Chain Approach for Detecting Community Structures in Social Graphs. , 2019, , .		0
97	OMCR: An Opinion-Based Multi-Criteria Ranking Approach. Journal of Intelligent and Fuzzy Systems, 2019, 36, 397-411.	1.4	0
98	Semantic Integration of Information Through Relation Mining - Application to Bio-medical Text Processing. Lecture Notes in Computer Science, 2007, , 365-372.	1.3	0
99	Mining Local Association Rules from Temporal Data Set. Lecture Notes in Computer Science, 2009, , 255-260.	1.3	0
100	SIMOnt: A Security Information Management Ontology Framework. Communications in Computer and Information Science, 2011, , 201-208.	0.5	0
101	A Hierarchical Attention-Based Neural Network Model for Socialbot Detection in OSN. , 2020, , .		0
102	A Trust-Based Collaborative Filtering Approach to Design Recommender Systems. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	0
103	Advances in Digital Forensics Frameworks and Tools. , 2020, , 374-401.		0
104	Ontological Representation for Links Into the Future. , 2007, , .		0
105	Text Mining through Entity-Relationship Based Information Extraction. , 2007, , .		0