

# Usman Qamar

## List of Publications by Year in descending order

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Version: 2024-02-01

151  
papers

2,357  
citations

304743

22  
h-index

254184

43  
g-index

162  
all docs

162  
docs citations

162  
times ranked

2179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redefining preliminaries of dominance-based rough set approach. <i>Soft Computing</i> , 2022, 26, 977-1002.	3.6	5
2	A Heuristic Approach to Dynamically Update Approximations of Dominance Based Rough Set Theory. , 2022, , .		0
3	A Decision Making Approach for Street Lockdown to Cope with Covid-19 Cases by Using Shortest Path Selection Mechanism for Unplanned Colonies. , 2022, , .		0
4	A Novel Approach for Periodically Updating Rough Approximations Upon Multi-Dimension Variation. , 2022, , .		0
5	Efficient Contact Tracing for pandemics using blockchain. <i>Informatics in Medicine Unlocked</i> , 2021, 26, 100742.	3.4	10
6	Blood Glucose Level Prediction of Diabetic Type 1 Patients Using Nonlinear Autoregressive Neural Networks. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-7.	1.9	10
7	GenF: A longevity predicting framework to aid public health sectors. <i>Informatics in Medicine Unlocked</i> , 2021, 26, 100751.	3.4	2
8	Classification of cardiac disorders using $\langle scp \rangle 1D \langle /scp \rangle$ local ternary patterns based on pulse plethysmograph signals. <i>Expert Systems</i> , 2021, 38, e12664.	4.5	17
9	Phonocardiogram signal analysis for classification of Coronary Artery Diseases using MFCC and 1D adaptive local ternary patterns. <i>Computers in Biology and Medicine</i> , 2021, 138, 104926.	7.0	23
10	A Novel Natural Language Processing approach to automatically Visualize Entity-Relationship Model from Initial Software Requirements. , 2021, , .		2
11	OOCQM: Object Oriented Code Quality Meter. <i>Studies in Computational Intelligence</i> , 2020, , 149-163.	0.9	1
12	Secure Electronic Medical Records Storage and Sharing Using Blockchain Technology. <i>Procedia Computer Science</i> , 2020, 174, 321-327.	2.0	50
13	An optimized method to calculate approximations in Dominance based Rough Set Approach. <i>Applied Soft Computing Journal</i> , 2020, 97, 106731.	7.2	11
14	Affect of Data Filter on Performance of Latent Semantic Analysis based Research Paper Recommender System. , 2020, , .		0
15	Computationally Efficient Approximation Algorithm of Dominance Based Rough Set Approach. , 2020, , .		0
16	Improving K-Mean Method by Finding Initial Centroid Points. , 2020, , .		5
17	MF-GARF: Hybridizing Multiple Filters and GA Wrapper for Feature Selection of Microarray Cancer Datasets. , 2020, , .		9
18	A Novel Framework For Sentiment Analysis Using Deep Learning. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Applying Feature Selection and Weight Optimization Techniques to Enhance Artificial Neural Network for Heart Disease Diagnosis. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 340-351.	0.6	3
20	A Review of Continuous Blood Glucose Monitoring and Prediction of Blood Glucose Level for Diabetes Type 1 Patient in Different Prediction Horizons (PH) Using Artificial Neural Network (ANN). <i>Advances in Intelligent Systems and Computing</i> , 2020, , 684-695.	0.6	2
21	A Dynamic Ensemble Selection Framework Using Dynamic Weighting Approach. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 330-339.	0.6	2
22	Tool Support for Green Android Development: A Systematic Mapping Study. , 2020, , .		2
23	A Novel Approach for Ensemble Feature Selection Using Clustering with Automatic Threshold. <i>Communications in Computer and Information Science</i> , 2020, , 390-401.	0.5	1
24	A Knapsack Problem Based Algorithm for Local Level Management in Smart Grid. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, , 301-310.	0.7	0
25	Widely Used Techniques in Data Science Applications. , 2020, , 41-61.		0
26	A Hybrid Scheme for Feature Selection of High Dimensional Educational Data. , 2019, , .		4
27	Understanding and Using Rough Set Based Feature Selection: Concepts, Techniques and Applications. , 2019, , .		5
28	Classification of EEG Signal by Training Neural Network with Swarm Optimization for Identification of Epilepsy. , 2019, , .		1
29	Hybrid of Filters and Genetic Algorithm - Random Forests Based Wrapper Approach for Feature Selection and Prediction. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 190-199.	0.6	3
30	A Novel Ensemble Approach for Feature Selection to Improve and Simplify the Sentimental Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 573-592.	0.6	5
31	Using Blockchain for Electronic Health Records. <i>IEEE Access</i> , 2019, 7, 147782-147795.	4.2	315
32	Sentiment Analysis for Urdu News Tweets Using Decision Tree. , 2019, , .		12
33	LIAMSA. , 2019, , .		3
34	Building a Biomedical Ontology for Chronic Liver Disease. , 2019, , .		1
35	A parallel approach to calculate lower and upper approximations in dominance based rough set theory. <i>Applied Soft Computing Journal</i> , 2019, 84, 105699.	7.2	20
36	Blood Glucose Level Prediction with Minimal Inputs Using Feedforward Neural Network for Diabetic Type 1 Patients. , 2019, , .		4

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37	A Systematic Literature Review of Continuous Blood Glucose Monitoring and Suggesting the Quantity of Insulin or Artificial Pancreas (AP) for Diabetic Type 1 Patients. , 2019, , .		0
38	Ontology Based Test Case Generation for Black Box Testing. , 2019, , .		4
39	Machine Learning Techniques for Heart Disease Datasets. , 2019, , .		33
40	Quality Framework for Ontologies Evaluation Based on Structural Characteristics. , 2019, , .		1
41	Weight and Cluster Based Test case Prioritization Technique. , 2019, , .		5
42	Detection and Diagnosis of Psychological Disorders Through Decision Rule Set Formation. , 2019, , .		4
43	Identification of Difficult English Words for Assisting Hearing Impaired Children in Learning Language. , 2019, , .		1
44	Opinion Mining Using Live Twitter Data. , 2019, , .		9
45	CGSE-Website Usability Evaluation Framework. Advances in Intelligent Systems and Computing, 2019, , 426-436.	0.6	1
46	InstaSent: A Novel Framework for Sentiment Analysis Based on Instagram Selfies. Advances in Intelligent Systems and Computing, 2019, , 323-336.	0.6	0
47	A Systematic Review of Time Series Based Spam Identification Techniques. Advances in Intelligent Systems and Computing, 2019, , 435-443.	0.6	0
48	Enhanced cross-domain sentiment classification utilizing a multi-source transfer learning approach. Soft Computing, 2019, 23, 5431-5442.	3.6	13
49	Building a Biomedical Ontology for Respiratory Tract Infection. , 2019, , .		2
50	A Framework for Feature Extraction and Ranking for Opinion Making from Online Reviews. Advances in Intelligent Systems and Computing, 2019, , 359-371.	0.6	0
51	Temporal Spam Identification: A Multifaceted Approach to Identifying Review Spam. Advances in Intelligent Systems and Computing, 2019, , 773-787.	0.6	0
52	Critical Analysis of Feature Selection Algorithms. , 2019, , 149-158.		0
53	Rough Set Theory Based Feature Selection Techniques. , 2019, , 109-134.		0
54	Dominance-Based Rough Set Approach. , 2019, , 159-177.		0

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55	Dominance Based Rough Set APIs Library. , 2019, , 229-236.		0
56	A heuristic based dependency calculation technique for rough set theory. Pattern Recognition, 2018, 81, 309-325.	8.1	24
57	WebMAC: A web based clinical expert system. Information Systems Frontiers, 2018, 20, 1135-1151.	6.4	7
58	Feature selection using rough set-based direct dependency calculation by avoiding the positive region. International Journal of Approximate Reasoning, 2018, 92, 175-197.	3.3	34
59	A parallel rough set based dependency calculation method for efficient feature selection. Applied Soft Computing Journal, 2018, 71, 1020-1034.	7.2	20
60	State of Art Techniques for Social Influence Analysis: A Systematic Literature Review. , 2018, , .		3
61	SimFiller. Similarity-Based Missing Values Filling Algorithm. , 2018, , .		2
62	[WiP] Web Services Classification Using an Improved Text Mining Technique. , 2018, , .		4
63	Scrum Software Maintenance Model: Efficient Software Maintenance in Agile Methodology. , 2018, , .		19
64	GDGSE: Game Development with Global Software Engineering. , 2018, , .		1
65	HCF-CRS: A Hybrid Content based Fuzzy Conformal Recommender System for providing recommendations with confidence. PLoS ONE, 2018, 13, e0204849.	2.5	31
66	Automated misspelling detection and correction in clinical free-text records. , 2018, , .		2
67	Incremental Wrapper Based Random Forest Gene Subset Selection for Tumor Discernment. Communications in Computer and Information Science, 2018, , 161-167.	0.5	0
68	Improving collaborative filtering by selecting an effective user neighborhood for recommender systems. , 2017, , .		7
69	Redefining core preliminary concepts of classic Rough Set Theory for feature selection. Engineering Applications of Artificial Intelligence, 2017, 65, 375-387.	8.1	11
70	Lexicon based semantic detection of sentiments using expected likelihood estimate smoothed odds ratio. Artificial Intelligence Review, 2017, 48, 113-138.	15.7	22
71	URWF: user reputation based weightage framework for twitter micropost classification. Information Systems and E-Business Management, 2017, 15, 623-659.	3.7	5
72	A semi-supervised approach to sentiment analysis using revised sentiment strength based on SentiWordNet. Knowledge and Information Systems, 2017, 51, 851-872.	3.2	69

#	ARTICLE	IF	CITATIONS
73	Optimizing software project management staffing and work-force deployment processes using swarm intelligence. , 2017, , .		2
74	Dataset designing of software architectures styles for analysis through data mining clustering algorithms. , 2017, , .		1
75	A biomedical ontology on genetic disease. , 2017, , .		3
76	Implementation and Analysis of Novel Clustering Algorithm Without Initial Value Selection for Software Architectural Styles Data Set. , 2017, , .		0
77	Semantic analysis of social media and associated psychotic behavior. , 2017, , .		2
78	Dimensionality reduction approaches and evolving challenges in high dimensional data. , 2017, , .		6
79	A preconception gender assessment using data mining techniques based on implementation of natural laws & favoring factors. , 2017, , .		0
80	Introduction to Feature Selection. , 2017, , 1-25.		5
81	Advance Concepts in RST. , 2017, , 81-107.		0
82	Unsupervised Feature Selection Using RST. , 2017, , 131-143.		0
83	Rough Set-Based Feature Selection Techniques. , 2017, , 109-129.		0
84	Critical Analysis of Feature Selection Algorithms. , 2017, , 145-154.		0
85	Rough Set Theory. , 2017, , 53-79.		0
86	RST Source Code. , 2017, , 155-194.		0
87	A Rough Set Based Feature Selection Approach Using Random Feature Vectors. , 2016, , .		4
88	Using Distributional Semantics for Automatic Taxonomy Induction. , 2016, , .		5
89	A Bayesian classifiers based combination model for automatic text classification. , 2016, , .		15
90	HL7 FHIR Compliant Data Access Model for Maternal Health Information System. , 2016, , .		9

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91	A Domain-Independent Hybrid Approach for Automatic Taxonomy Induction. , 2016, , .		0
92	A Novel Approach for Searching Linguistic Synonyms through Parts of Speech Tagging. , 2016, , .		0
93	Imparting data knowledge in discrete data volumes using crowded agent approach for multi-perspective and visualized big data. , 2016, , .		0
94	Business intelligence: Self adapting and prioritizing database algorithm for providing big data insight in domain knowledge and processing of volume based instructions based on scheduled and contextual shifting of data. , 2016, , .		1
95	A Novel Hybrid Classifiers based Model for mining in Neuro-imaging. , 2016, , .		1
96	A hybrid feature selection approach based on heuristic and exhaustive algorithms using Rough set theory. , 2016, , .		9
97	Sentiment Analysis on User Reviews Through Lexicon and Rule-Based Approach. Lecture Notes in Computer Science, 2016, , 55-63.	1.3	2
98	Sentiâ€CS: Building a lexical resource for sentiment analysis using subjective feature selection and normalized Chiâ€Squareâ€based feature weight generation. Expert Systems, 2016, 33, 489-500.	4.5	10
99	eSAP: A decision support framework for enhanced sentiment analysis and polarity classification. Information Sciences, 2016, 367-368, 862-873.	6.9	52
100	Building a Core Biomedical Knowledge Base. , 2016, , .		1
101	Pulmonary Nodules Detection and Classification Using Hybrid Features from Computerized Tomographic Images. Journal of Medical Imaging and Health Informatics, 2016, 6, 252-259.	0.3	30
102	A Multicriteria Weighted Voteâ€Based Classifier Ensemble for Heart Disease Prediction. Computational Intelligence, 2016, 32, 615-645.	3.2	25
103	Barcoding of fresh water fishes from Pakistan. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 2685-2688.	0.7	11
104	SentiMI: Introducing point-wise mutual information with SentiWordNet to improve sentiment polarity detection. Applied Soft Computing Journal, 2016, 39, 140-153.	7.2	78
105	A Majority Vote Based Classifier Ensemble for Web Service Classification. Business and Information Systems Engineering, 2016, 58, 249-259.	6.1	18
106	Multi-Objective Model Selection (MOMS)-based Semi-Supervised Framework for Sentiment Analysis. Cognitive Computation, 2016, 8, 614-628.	5.2	24
107	An incremental dependency calculation technique for feature selection using rough sets. Information Sciences, 2016, 343-344, 41-65.	6.9	57
108	SWIMS: Semi-supervised subjective feature weighting and intelligent model selection for sentiment analysis. Knowledge-Based Systems, 2016, 100, 97-111.	7.1	47

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109	IntelliHealth: A medical decision support application using a novel weighted multi-layer classifier ensemble framework. Journal of Biomedical Informatics, 2016, 59, 185-200.	4.3	115
110	HMV: A medical decision support framework using multi-layer classifiers for disease prediction. Journal of Computational Science, 2016, 13, 10-25.	2.9	62
111	A Framework for Classifying Unstructured Data of Cardiac Patients: A Supervised Learning Approach. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	4
112	Identification and Correction of Misspelled Drugsâ€™ Names in Electronic Medical Records (EMR). , 2016, , .		8
113	A Framework for Evaluation of OWL Biomedical Ontologies Based on Properties Coverage. , 2015, , .		2
114	Towards Service Evaluation and Ranking Model for Cloud Infrastructure Selection. , 2015, , .		12
115	Building Normalized SentiMI to enhance semi-supervised sentiment analysis. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1805-1816.	1.4	10
116	A Relation Extraction Framework for Biomedical Text Using Hybrid Feature Set. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	31
117	Flexibility and privacy control by cookie management. , 2015, , .		0
118	A feature reduction framework based on rough set for biomedical data sets. , 2015, , .		0
119	Signature automation of UMLS concepts: An un-supervised named entity recognition framework for classification of DNA and RNA in biological text. , 2015, , .		0
120	A rule based expert system for syncope prediction. , 2015, , .		1
121	Rule induction using enhanced RIPPER algorithm for clinical decision support system. , 2015, , .		5
122	Data flow based test case generation algorithm for object oriented integration testing. , 2015, , .		6
123	A novel framework for classification of syncope disease using K-means clustering algorithm. , 2015, , .		7
124	Analyzing different validation and verification techniques for safety critical software systems. , 2015, , .		3
125	Developing an expert system based on association rules and predicate logic for earthquake prediction. Knowledge-Based Systems, 2015, 75, 87-103.	7.1	43
126	Heterogeneous classifiers fusion for dynamic breast cancer diagnosis using weighted vote based ensemble. Quality and Quantity, 2015, 49, 2061-2076.	3.7	51



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127	Impact minimization of requirements change in software project through requirements classification. , 2015, , .		16
128	A text mining based approach for web service classification. Information Systems and E-Business Management, 2015, 13, 751-768.	3.7	29
129	BagMOOV: A novel ensemble for heart disease prediction bootstrap aggregation with multi-objective optimized voting. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 305-323.	1.3	61
130	Rule based inference engine to forecast the prevalence of congenital malformations in live births. , 2015, , .		2
131	Software Reverse Engineering to Requirement Engineering for Evolution of Legacy System. , 2015, , .		7
132	Improved Single-Label Text Categorization by Instance Filtration. , 2015, , .		0
133	Automatic performance analysis of cloud based load testing of web-application & its comparison with traditional load testing. , 2015, , .		3
134	Purification of requirement engineering model for rapid application development. , 2015, , .		2
135	Artificial Neural Network based Classification of Lungs Nodule using Hybrid Features from Computerized Tomographic Images. Applied Mathematics and Information Sciences, 2015, 9, 183-195.	0.5	27
136	Content-Specific Unigrams and Syntactic Phrases to Enhance Senti Word Net Based Sentiment Classification. International Journal of Machine Learning and Computing, 2015, 5, 307-312.	0.6	2
137	Global Optimization Ensemble Model for Classification Methods. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	9
138	An ensemble based decision support framework for intelligent heart disease diagnosis. , 2014, , .		41
139	A dissimilarity measure based Fuzzy c-means (FCM) clustering algorithm. Journal of Intelligent and Fuzzy Systems, 2014, 26, 229-238.	1.4	16
140	Optic Disc Segmentation from Colored Retinal Images Using Vessel Density. , 2014, , .		2
141	An Efficient Rule-Based Classification of Diabetes Using ID3, C4.5, & CART Ensembles. , 2014, , .		27
142	Ontology development and evaluation for urinal tract infection. , 2014, , .		3
143	SentiView: A visual sentiment analysis framework. , 2014, , .		9
144	MV5: A Clinical Decision Support Framework for Heart Disease Prediction Using Majority Vote Based Classifier Ensemble. Arabian Journal for Science and Engineering, 2014, 39, 7771-7783.	1.1	40

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145	Protocol-aware radio frequency jamming in Wi-Fi and commercial wireless networks. Journal of Communications and Networks, 2014, 16, 397-406.	2.6	21
146	A rule-based expert system for earthquake prediction. Journal of Intelligent Information Systems, 2014, 43, 205-230.	3.9	15
147	TOM: Twitter opinion mining framework using hybrid classification scheme. Decision Support Systems, 2014, 57, 245-257.	5.9	243
148	Texture Classification Using Rotation- and Scale-Invariant Gabor Texture Features. IEEE Signal Processing Letters, 2013, 20, 607-610.	3.6	85
149	Detecting covert dubious actors using cross domain associations. , 2013, , .		0
150	A Rough-Set Feature Selection Model for Classification and Knowledge Discovery. , 2013, , .		4
151	Detection of glaucoma using retinal fundus images. , 2013, , .		34