

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	Using Blockchain for Electronic Health Records. IEEE Access, 2019, 7, 147782-147795.	4.2	315
2	TOM: Twitter opinion mining framework using hybrid classification scheme. Decision Support Systems, 2014, 57, 245-257.	5.9	243
3	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
4	Texture Classification Using Rotation- and Scale-Invariant Gabor Texture Features. IEEE Signal Processing Letters, 2013, 20, 607-610.	3.6	85
5	SentiMI: Introducing point-wise mutual information with SentiWordNet to improve sentiment polarity detection. Applied Soft Computing Journal, 2016, 39, 140-153.	7.2	78
6	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
7	HMV: A medical decision support framework using multi-layer classifiers for disease prediction. Journal of Computational Science, 2016, 13, 10-25.	2.9	62
8	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
9	An incremental dependency calculation technique for feature selection using rough sets. Information Sciences, 2016, 343-344, 41-65.	6.9	57
10	eSAP: A decision support framework for enhanced sentiment analysis and polarity classification. Information Sciences, 2016, 367-368, 862-873.	6.9	52
11	Heterogeneous classifiers fusion for dynamic breast cancer diagnosis using weighted vote based ensemble. Quality and Quantity, 2015, 49, 2061-2076.	3.7	51
12	Secure Electronic Medical Records Storage and Sharing Using Blockchain Technology. Procedia Computer Science, 2020, 174, 321-327.	2.0	50
13	SWIMS: Semi-supervised subjective feature weighting and intelligent model selection for sentiment analysis. Knowledge-Based Systems, 2016, 100, 97-111.	7.1	47
14	Developing an expert system based on association rules and predicate logic for earthquake prediction. Knowledge-Based Systems, 2015, 75, 87-103.	7.1	43
15	An ensemble based decision support framework for intelligent heart disease diagnosis. , 2014, , .		41
16	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
17	Detection of glaucoma using retinal fundus images. , 2013, , .		34
18	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

#	ARTICLE	IF	CITATIONS
19	Machine Learning Techniques for Heart Disease Datasets. , 2019, , .		33
20	A Relation Extraction Framework for Biomedical Text Using Hybrid Feature Set. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	31
21	HCF-CRS: A Hybrid Content based Fuzzy Conformal Recommender System for providing recommendations with confidence. PLoS ONE, 2018, 13, e0204849.	2.5	31
22	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
23	A text mining based approach for web service classification. Information Systems and E-Business Management, 2015, 13, 751-768.	3.7	29
24	An Efficient Rule-Based Classification of Diabetes Using ID3, C4.5, & CART Ensembles. , 2014, , .		27
25	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
26	A Multicriteria Weighted Vote-Based Classifier Ensemble for Heart Disease Prediction. Computational Intelligence, 2016, 32, 615-645.	3.2	25
27	Multi-Objective Model Selection (MOMS)-based Semi-Supervised Framework for Sentiment Analysis. Cognitive Computation, 2016, 8, 614-628.	5.2	24
28	A heuristic based dependency calculation technique for rough set theory. Pattern Recognition, 2018, 81, 309-325.	8.1	24
29	Phonocardiogram signal analysis for classification of Coronary Artery Diseases using MFCC and 1D adaptive local ternary patterns. Computers in Biology and Medicine, 2021, 138, 104926.	7.0	23
30	Lexicon based semantic detection of sentiments using expected likelihood estimate smoothed odds ratio. Artificial Intelligence Review, 2017, 48, 113-138.	15.7	22
31	Protocol-aware radio frequency jamming in Wi-Fi and commercial wireless networks. Journal of Communications and Networks, 2014, 16, 397-406.	2.6	21
32	A parallel rough set based dependency calculation method for efficient feature selection. Applied Soft Computing Journal, 2018, 71, 1020-1034.	7.2	20
33	A parallel approach to calculate lower and upper approximations in dominance based rough set theory. Applied Soft Computing Journal, 2019, 84, 105699.	7.2	20
34	Scrum Software Maintenance Model: Efficient Software Maintenance in Agile Methodology. , 2018, , .		19
35	A Majority Vote Based Classifier Ensemble for Web Service Classification. Business and Information Systems Engineering, 2016, 58, 249-259.	6.1	18
36	Classification of cardiac disorders using <scp>1D</scp> local ternary patterns based on pulse plethysmograph signals. Expert Systems, 2021, 38, e12664.	4.5	17

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37	A dissimilarity measure based Fuzzy c-means (FCM) clustering algorithm. Journal of Intelligent and Fuzzy Systems, 2014, 26, 229-238.	1.4	16
38	Impact minimization of requirements change in software project through requirements classification. , 2015, , .		16
39	A rule-based expert system for earthquake prediction. Journal of Intelligent Information Systems, 2014, 43, 205-230.	3.9	15
40	A Bayesian classifiers based combination model for automatic text classification. , 2016, , .		15
41	Enhanced cross-domain sentiment classification utilizing a multi-source transfer learning approach. Soft Computing, 2019, 23, 5431-5442.	3.6	13
42	Towards Service Evaluation and Ranking Model for Cloud Infrastructure Selection. , 2015, , .		12
43	Sentiment Analysis for Urdu News Tweets Using Decision Tree. , 2019, , .		12
44	Barcoding of fresh water fishes from Pakistan. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 2685-2688.	0.7	11
45	Redefining core preliminary concepts of classic Rough Set Theory for feature selection. Engineering Applications of Artificial Intelligence, 2017, 65, 375-387.	8.1	11
46	An optimized method to calculate approximations in Dominance based Rough Set Approach. Applied Soft Computing Journal, 2020, 97, 106731.	7.2	11
47	Building Normalized SentiMI to enhance semi-supervised sentiment analysis. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1805-1816.	1.4	10
48	SentiCS: Building a lexical resource for sentiment analysis using subjective feature selection and normalized Chi-Square-based feature weight generation. Expert Systems, 2016, 33, 489-500.	4.5	10
49	Efficient Contact Tracing for pandemics using blockchain. Informatics in Medicine Unlocked, 2021, 26, 100742.	3.4	10
50	Blood Glucose Level Prediction of Diabetic Type 1 Patients Using Nonlinear Autoregressive Neural Networks. Journal of Healthcare Engineering, 2021, 2021, 1-7.	1.9	10
51	Global Optimization Ensemble Model for Classification Methods. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	9
52	SentiView: A visual sentiment analysis framework. , 2014, , .		9
53	HL7 FHIR Compliant Data Access Model for Maternal Health Information System. , 2016, , .		9
54	A hybrid feature selection approach based on heuristic and exhaustive algorithms using Rough set theory. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
55	Opinion Mining Using Live Twitter Data. , 2019, , .		9
56	MF-GARF: Hybridizing Multiple Filters and GA Wrapper for Feature Selection of Microarray Cancer Datasets. , 2020, , .		9
57	Identification and Correction of Misspelled Drugsâ€™ Names in Electronic Medical Records (EMR). , 2016, , .		8
58	A novel framework for classification of syncope disease using K-means clustering algorithm. , 2015, , .		7
59	Software Reverse Engineering to Requirement Engineering for Evolution of Legacy System. , 2015, , .		7
60	Improving collaborative filtering by selecting an effective user neighborhood for recommender systems. , 2017, , .		7
61	WebMAC: A web based clinical expert system. Information Systems Frontiers, 2018, 20, 1135-1151.	6.4	7
62	Data flow based test case generation algorithm for object oriented integration testing. , 2015, , .		6
63	Dimensionality reduction approaches and evolving challenges in high dimensional data. , 2017, , .		6
64	Rule induction using enhanced RIPPER algorithm for clinical decision support system. , 2015, , .		5
65	Using Distributional Semantics for Automatic Taxonomy Induction. , 2016, , .		5
66	URWF: user reputation based weightage framework for twitter micropost classification. Information Systems and E-Business Management, 2017, 15, 623-659.	3.7	5
67	Understanding and Using Rough Set Based Feature Selection: Concepts, Techniques and Applications. , 2019, , .		5
68	A Novel Ensemble Approach for Feature Selection to Improve and Simplify the Sentimental Analysis. Advances in Intelligent Systems and Computing, 2019, , 573-592.	0.6	5
69	Weight and Cluster Based Test case Prioritization Technique. , 2019, , .		5
70	Improving K-Mean Method by Finding Initial Centroid Points. , 2020, , .		5
71	Introduction to Feature Selection. , 2017, , 1-25.		5
72	Redefining preliminaries of dominance-based rough set approach. Soft Computing, 2022, 26, 977-1002.	3.6	5

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73	A Rough-Set Feature Selection Model for Classification and Knowledge Discovery. , 2013, , .		4
74	A Rough Set Based Feature Selection Approach Using Random Feature Vectors. , 2016, , .		4
75	[WIP] Web Services Classification Using an Improved Text Mining Technique. , 2018, , .		4
76	A Hybrid Scheme for Feature Selection of High Dimensional Educational Data. , 2019, , .		4
77	Blood Glucose Level Prediction with Minimal Inputs Using Feedforward Neural Network for Diabetic Type 1 Patients. , 2019, , .		4
78	Ontology Based Test Case Generation for Black Box Testing. , 2019, , .		4
79	Detection and Diagnosis of Psychological Disorders Through Decision Rule Set Formation. , 2019, , .		4
80	A Novel Framework For Sentiment Analysis Using Deep Learning. , 2020, , .		4
81	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
82	Ontology development and evaluation for urinal tract infection. , 2014, , .		3
83	Analyzing different validation and verification techniques for safety critical software systems. , 2015, , .		3
84	Automatic performance analysis of cloud based load testing of web-application & its comparison with traditional load testing. , 2015, , .		3
85	A biomedical ontology on genetic disease. , 2017, , .		3
86	State of Art Techniques for Social Influence Analysis: A Systematic Literature Review. , 2018, , .		3
87	Hybrid of Filters and Genetic Algorithm - Random Forests Based Wrapper Approach for Feature Selection and Prediction. Advances in Intelligent Systems and Computing, 2019, , 190-199.	0.6	3
88	UAMSA. , 2019, , .		3
89	Applying Feature Selection and Weight Optimization Techniques to Enhance Artificial Neural Network for Heart Disease Diagnosis. Advances in Intelligent Systems and Computing, 2020, , 340-351.	0.6	3
90	Optic Disc Segmentation from Colored Retinal Images Using Vessel Density. , 2014, , .		2

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91	A Framework for Evaluation of OWL Biomedical Ontologies Based on Properties Coverage. , 2015, , .		2
92	Rule based inference engine to forecast the prevalence of congenital malformations in live births. , 2015, , .		2
93	Purification of requirement engineering model for rapid application development. , 2015, , .		2
94	Sentiment Analysis on User Reviews Through Lexicon and Rule-Based Approach. Lecture Notes in Computer Science, 2016, , 55-63.	1.3	2
95	Optimizing software project management staffing and work-force deployment processes using swarm intelligence. , 2017, , .		2
96	Semantic analysis of social media and associated psychotic behavior. , 2017, , .		2
97	SimFiller. Similarity-Based Missing Values Filling Algorithm. , 2018, , .		2
98	Automated misspelling detection and correction in clinical free-text records. , 2018, , .		2
99	GenF: A longevity predicting framework to aid public health sectors. Informatics in Medicine Unlocked, 2021, 26, 100751.	3.4	2
100	Building a Biomedical Ontology for Respiratory Tract Infection. , 2019, , .		2
101	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
102	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). Advances in Intelligent Systems and Computing, 2020, , 684-695.	0.6	2
103	A Dynamic Ensemble Selection Framework Using Dynamic Weighting Approach. Advances in Intelligent Systems and Computing, 2020, , 330-339.	0.6	2
104	Tool Support for Green Android Development: A Systematic Mapping Study. , 2020, , .		2
105	A Novel Natural Language Processing approach to automatically Visualize Entity-Relationship Model from Initial Software Requirements. , 2021, , .		2
106	A rule based expert system for syncope prediction. , 2015, , .		1
107	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
108	A Novel Hybrid Classifiers based Model for mining in Neuro-imaging. , 2016, , .		1

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109	Building a Core Biomedical Knowledge Base. , 2016, , .		1
110	Dataset designing of software architectures styles for analysis through data mining clustering algorithms. , 2017, , .		1
111	GDGSE: Game Development with Global Software Engineering. , 2018, , .		1
112	Classification of EEG Signal by Training Neural Network with Swarm Optimization for Identification of Epilepsy. , 2019, , .		1
113	Building a Biomedical Ontology for Chronic Liver Disease. , 2019, , .		1
114	Quality Framework for Ontologies Evaluation Based on Structural Characteristics. , 2019, , .		1
115	Identification of Difficult English Words for Assisting Hearing Impaired Children in Learning Language. , 2019, , .		1
116	GGSE-Website Usability Evaluation Framework. Advances in Intelligent Systems and Computing, 2019, , 426-436.	0.6	1
117	OOCQM: Object Oriented Code Quality Meter. Studies in Computational Intelligence, 2020, , 149-163.	0.9	1
118	A Novel Approach for Ensemble Feature Selection Using Clustering with Automatic Threshold. Communications in Computer and Information Science, 2020, , 390-401.	0.5	1
119	Detecting covert dubious actors using cross domain associations. , 2013, , .		0
120	Flexibility and privacy control by cookie management. , 2015, , .		0
121	A feature reduction framework based on rough set for biomedical data sets. , 2015, , .		0
122	Signature automation of UMLS concepts: An un-supervised named entity recognition framework for classification of DNA and RNA in biological text. , 2015, , .		0
123	Improved Single-Label Text Categorization by Instance Filtration. , 2015, , .		0
124	A Domain-Independent Hybrid Approach for Automatic Taxonomy Induction. , 2016, , .		0
125	A Novel Approach for Searching Linguistic Synonyms through Parts of Speech Tagging. , 2016, , .		0
126	Imparting data knowledge in discrete data volumes using crowded agent approach for multi-perspective and visualized big data. , 2016, , .		0

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127	Implementation and Analysis of Novel Clustering Algorithm Without Initial Value Selection for Software Architectural Styles Data Set. , 2017, , .		0
128	A preconception gender assessment using data mining techniques based on implementation of natural laws & favoring factors. , 2017, , .		0
129	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
130	InstaSent: A Novel Framework for Sentiment Analysis Based on Instagram Selfies. Advances in Intelligent Systems and Computing, 2019, , 323-336.	0.6	0
131	A Systematic Review of Time Series Based Spam Identification Techniques. Advances in Intelligent Systems and Computing, 2019, , 435-443.	0.6	0
132	Affect of Data Filter on Performance of Latent Semantic Analysis based Research Paper Recommender System. , 2020, , .		0
133	Computationally Efficient Approximation Algorithm of Dominance Based Rough Set Approach. , 2020, , .		0
134	Advance Concepts in RST. , 2017, , 81-107.		0
135	Unsupervised Feature Selection Using RST. , 2017, , 131-143.		0
136	Rough Set-Based Feature Selection Techniques. , 2017, , 109-129.		0
137	Critical Analysis of Feature Selection Algorithms. , 2017, , 145-154.		0
138	Rough Set Theory. , 2017, , 53-79.		0
139	RST Source Code. , 2017, , 155-194.		0
140	Incremental Wrapper Based Random Forest Gene Subset Selection for Tumor Discernment. Communications in Computer and Information Science, 2018, , 161-167.	0.5	0
141	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
142	Temporal Spam Identification: A Multifaceted Approach to Identifying Review Spam. Advances in Intelligent Systems and Computing, 2019, , 773-787.	0.6	0
143	Critical Analysis of Feature Selection Algorithms. , 2019, , 149-158.		0
144	Rough Set Theory Based Feature Selection Techniques. , 2019, , 109-134.		0

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145	Dominance-Based Rough Set Approach. , 2019, , 159-177.		0
146	Dominance Based Rough Set APIs Library. , 2019, , 229-236.		0
147	A Knapsack Problem Based Algorithm for Local Level Management in Smart Grid. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 301-310.	0.7	0
148	Widely Used Techniques in Data Science Applications. , 2020, , 41-61.		0
149	A Heuristic Approach to Dynamically Update Approximations of Dominance Based Rough Set Theory. , 2022, , .		0
150	A Decision Making Approach for Street Lockdown to Cope with Covid-19 Cases by Using Shortest Path Selection Mechanism for Unplanned Colonies. , 2022, , .		0
151	A Novel Approach for Periodically Updating Rough Approximations Upon Multi-Dimension Variation. , 2022, , .		0