

Hesham A. Hefny

List of Publications by Year in descending order

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Version: 2024-02-01

159
papers

1,475
citations

623699

14
h-index

434170

31
g-index

168
all docs

168
docs citations

168
times ranked

1269
citing authors

#	ARTICLE	IF	CITATIONS
1	An enhanced opinion retrieval approach via implicit feature identification. Journal of Intelligent Information Systems, 2021, 57, 101-126.	3.9	14
2	Utilising AHP and PROMETHEE for evaluating the performance of online services. International Journal of Internet Technology and Secured Transactions, 2021, 11, 307.	0.4	0
3	Improving the Performance of Deep Neural Networks Using Two Proposed Activation Functions. IEEE Access, 2021, 9, 82249-82271.	4.2	24
4	Optimized Planning of Resources Demand Curve in Ground Handling based on Machine Learning Prediction. International Journal of Intelligent Systems and Applications, 2021, 13, 1-16.	1.1	2
5	An Enhanced Opinion Retrieval Approach on Arabic Text for Customer Requirements Expansion. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 351-363.	3.9	1
6	Utilising AHP and PROMETHEE for evaluating the performance of online services. International Journal of Internet Technology and Secured Transactions, 2021, 11, 307.	0.4	0
7	Assessing the Performance of E-government Services Through Multi-criteria Analysis: The Case of Egypt. Studies in Big Data, 2021, , 547-563.	1.1	0
8	An Approach for Textual Based Clustering Using Word Embedding. Studies in Big Data, 2021, , 261-280.	1.1	0
9	An enhanced deep learning approach for brain cancer MRI images classification using residual networks. Artificial Intelligence in Medicine, 2020, 102, 101779.	6.5	192
10	An Integrated Framework for Web Data Preprocessing Towards Modeling User Behavior. , 2020, , .		4
11	Proposed Approach for Enhancing Adoption of E-Government Services Using AHP and PROMETHEE. International Journal of E-Services and Mobile Applications, 2020, 12, 38-59.	0.6	0
12	GloSOPHIA: An Enhanced Textual Based Clustering Approach by Word Embeddings. Advances in Intelligent Systems and Computing, 2020, , 700-710.	0.6	0
13	Airport resource allocation using machine learning techniques. Inteligencia Artificial, 2020, 23, 19-32.	0.8	6
14	A Review of Sentiment Analysis Techniques. International Journal of Computer Applications, 2020, 176, 20-24.	0.2	0
15	Relative Position Estimation in Vehicle Ad-Hoc Network. Advances in Computational Intelligence and Robotics Book Series, 2020, , 48-83.	0.4	2
16	Shilling Attacks Detection in Collaborative Recommender System: Challenges and Promise. Advances in Intelligent Systems and Computing, 2020, , 429-439.	0.6	7
17	TAntNet-4. , 2020, , 874-905.		0
18	In silico deleterious prediction of nonsynonymous single nucleotide polymorphisms in Neurexin1 gene for mental disorders. International Journal of Bioinformatics Research and Applications, 2020, 16, 1.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Vortex Swarm Optimization: New Metaheuristic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 127-136.	0.6	2
20	A Novel Framework for Mobile Telecom Network Analysis using Big Data Platform. <i>International Journal of Advanced Computer Science and Applications</i> , 2020, 11, .	0.7	0
21	Social Network Analysis through Big Data Platform Review. , 2019, , .		1
22	Machine Learning Algorithms for Breast Cancer CADx System in the Mammography. , 2019, , .		3
23	A Computer Aided Detection System for Breast Cancer in the MammogramsBased on Particle Swarm Optimization Algorithm. , 2019, , .		0
24	Computer-Aided Detection System for Breast Cancer Based on GMM and SVM. <i>Arab Journal of Nuclear Sciences and Applications</i> , 2019, 52, 142-150.	0.1	9
25	Machine Vision Application on Science and Industry. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2019, , 233-254.	0.4	1
26	Fuzzy based approach for discovering crops plantation knowledge from huge agro-climatic data respecting climate changes. <i>Computing (Vienna/New York)</i> , 2018, 100, 689-713.	4.8	2
27	Evaluating Swarm Optimization Algorithms for Segmentation of Liver Images. <i>Studies in Computational Intelligence</i> , 2018, , 41-62.	0.9	9
28	Improving Multiple Routing in Mobile Ad Hoc Networks Using Fuzzy Models. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 642-654.	0.6	1
29	A Text Mining Approach for Automatic Selection of Academic Course Topics based on Course Specifications. , 2018, , .		0
30	Spatial Clustering and Analysis on Hepatitis C Virus Infections in Egypt. <i>International Journal of Data Mining & Knowledge Management Process</i> , 2018, 8, 01-13.	0.1	1
31	EEG-Based Emotion Recognition Using a Wrapper-Based Feature Selection Method. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 247-256.	0.6	7
32	Moth-flame Optimization Based Segmentation for MRI Liver Images. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 320-330.	0.6	12
33	Predicting Algae Growth in the Nile River Using Meta-learning Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 745-754.	0.6	2
34	Controlling Social Information Cascade A Survey. , 2018, , 196-212.		5
35	Social Media and Social Networking. <i>Advances in Knowledge Acquisition, Transfer and Management Book Series</i> , 2018, , 144-167.	0.2	0
36	A Survey of Recommender Systems and Geographical Recommendation Techniques. <i>Advances in Hospitality, Tourism and the Services Industry</i> , 2018, , 249-274.	0.2	2

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37	Fuzzy Logic based Approach for VoIP Quality Maintaining. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.7	1
38	Short-Term Stock Market Fuzzy Trading System with Fuzzy Capital Management. International Journal of Intelligent Engineering and Systems, 2018, 11, 49-58.	0.6	2
39	Liver segmentation in MRI images based on whale optimization algorithm. Multimedia Tools and Applications, 2017, 76, 24931-24954.	3.9	79
40	An improved moth flame optimization algorithm based on rough sets for tomato diseases detection. Computers and Electronics in Agriculture, 2017, 136, 86-96.	7.7	95
41	Forecasting of nonlinear time series using ANN. Future Computing and Informatics Journal, 2017, 2, 39-47.	0.6	97
42	Antlion Optimization Based Segmentation for MRI Liver Images. Advances in Intelligent Systems and Computing, 2017, , 265-272.	0.6	5
43	Group Impact: Local Influence Maximization in Social Networks. Advances in Intelligent Systems and Computing, 2017, , 447-455.	0.6	2
44	Controlling Rumor Cascade over Social Networks. Advances in Intelligent Systems and Computing, 2017, , 456-466.	0.6	2
45	A Hybrid Grey Wolf Based Segmentation with Statistical Image for CT Liver Images. Advances in Intelligent Systems and Computing, 2017, , 846-855.	0.6	6
46	Grey Wolf Optimization-Based Segmentation Approach for Abdomen CT Liver Images. Advances in Computational Intelligence and Robotics Book Series, 2017, , 562-581.	0.4	4
47	TAntNet-4. Advances in Computational Intelligence and Robotics Book Series, 2017, , 942-974.	0.4	0
48	A Proposed Fuzzy Stability Model to Improve Multi-Hop Routing Protocol. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.7	0
49	Adjust Fuzzy Model Parameters for Head Election in Wireless Sensor Network Protocols. , 2017, , 1596-1619.		1
50	Adjust Fuzzy Model Parameters for Head Election in Wireless Sensor Network Protocols. Advances in Wireless Technologies and Telecommunication Book Series, 2017, , 421-443.	0.4	0
51	Enzyme Function Classification. Advances in Computational Intelligence and Robotics Book Series, 2017, , 161-186.	0.4	0
52	An Enhanced Ant Colony-based Approach for Query Optimization. International Journal of Computer Applications, 2017, 175, 37-42.	0.2	0
53	Exploiting Social Annotations for Personalizing Retrieval. International Journal of Intelligent Engineering and Systems, 2017, 10, 192-202.	0.6	2
54	BOEM: A Model for Automating Detection and Evolution of Distributed Ontologies in Multi-Agent Environment. International Journal of Intelligent Engineering and Systems, 2017, 10, 182-191.	0.6	0

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55	Local best particle swarm optimization for partitioning data clustering. , 2016, , .		6
56	Analysis of learning objectives for higher education textbooks using text mining. , 2016, , .		3
57	Face recognition system using HMM-PSO for feature selection. , 2016, , .		7
58	Enhancing requirements prioritization based on a hybrid technique. , 2016, , .		1
59	Enzyme vs. non-enzyme classification based on principal component analysis and AdaBoost classifier. , 2016, , .		1
60	A survey on exploring key performance indicators. Future Computing and Informatics Journal, 2016, 1, 47-52.	0.6	68
61	Political Sentiment Analysis Using Twitter Data. , 2016, , .		44
62	Artificial Bee Colony Based Segmentation for CT Liver Images. Studies in Computational Intelligence, 2016, , 409-430.	0.9	6
63	Enhanced Region Growing Segmentation for CT Liver Images. Advances in Intelligent Systems and Computing, 2016, , 115-127.	0.6	3
64	Wolf Local Thresholding Approach for Liver Image Segmentation in CT Images. Advances in Intelligent Systems and Computing, 2016, , 641-651.	0.6	4
65	Hybrid Fuzzy-Linear Programming with Shadowed Fuzzy Numbers. International Journal of Computer Applications, 2016, 155, 42-50.	0.2	0
66	A proposed approach to detect and thwart previously unknown code injection attacks. , 2015, , .		2
67	Hybrid multi-attribute decision making based on shadowed fuzzy numbers. , 2015, , .		3
68	Modified merging algorithm of fuzzy clustering with expected value. , 2015, , .		0
69	A proposed covert channel based on memory reclamation. , 2015, , .		3
70	A literature survey on mapping between fuzzy XML databases and relational or object oriented databases. , 2015, , .		1
71	Survey on securing a querying process by blocking SQL injection. , 2015, , .		3
72	Analytical formulas for similarity, possibility and distinguishability measures of Cauchy type fuzzy sets with comparison to Gaussian fuzzy sets. , 2015, , .		2

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73	A secure algorithm for executing queries over encrypted data. , 2015, , .		3
74	Handling autism imbalanced data using synthetic minority over-sampling technique (SMOTE). , 2015, , .		18
75	Improving the performance of TAntNet-2 by using multi forward scouts. , 2015, , .		0
76	Using Iris recognition to secure medical images on the cloud. , 2015, , .		1
77	SVM-Based Detection of Tomato Leaves Diseases. Advances in Intelligent Systems and Computing, 2015, , 641-652.	0.6	64
78	A hybrid approach for word segmentation. , 2015, , .		1
79	Islamic Fatwa Request Routing via Hierarchical Multi-label Arabic Text Categorization. , 2015, , .		2
80	MCDM approach based on generalized fuzzy decision map method. , 2015, , .		1
81	A hybrid recommendation model for web navigation. , 2015, , .		3
82	Federated cloud computing security using forward-secure broadcast encryption HIBE. , 2015, , .		1
83	Tomato leaves diseases detection approach based on Support Vector Machines. , 2015, , .		99
84	A proposed shadowed intuitionistic fuzzy numbers. , 2015, , .		3
85	A new efficient algorithm for executing queries over encrypted data. , 2015, , .		1
86	Region Growing Segmentation with Iterative K-means for CT Liver Images. , 2015, , .		10
87	Identifying Two of Tomatoes Leaf Viruses Using Support Vector Machine. Advances in Intelligent Systems and Computing, 2015, , 771-782.	0.6	56
88	CT Liver Segmentation Using Artificial Bee Colony Optimisation. Procedia Computer Science, 2015, 60, 1622-1630.	2.0	35
89	Automated Enzyme Function Classification Based on Pairwise Sequence Alignment Technique. Advances in Intelligent Systems and Computing, 2015, , 499-510.	0.6	3
90	Big DNA Methylation Data Analysis and Visualizing in a Common Form of Breast Cancer. Studies in Big Data, 2015, , 375-392.	1.1	4

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91	Enhancing Performance of GIS on Cloud Computing. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	1
92	Utility-Based Anonymization Using Generalization Boundaries to Protect Sensitive Attributes. Journal of Information Security, 2015, 06, 179-196.	0.8	3
93	Improving Enzyme Function Classification Performance Based on Score Fusion Method. Lecture Notes in Computer Science, 2015, , 530-542.	1.3	4
94	Multiple-Published Tables Privacy-Preserving Data Mining: A Survey for Multiple-Published Tables Techniques. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	0
95	An Improved Fuzzy Number Approximation using Shadowed Sets. International Journal of Computer Applications, 2015, 118, 9-15.	0.2	2
96	New Architecture for Mobile GIS Cloud Computing. International Journal of Advanced Research in Computer and Communication Engineering, 2015, 4, 1-7.	0.2	6
97	Enhancements to knowledge discovery framework of SOPHIA textual case-based reasoning. Egyptian Informatics Journal, 2014, 15, 211-220.	6.8	6
98	Selection of wheat variety using improved LFDN method. , 2014, , .		2
99	Fuzzy cognitive map with linguistic values. , 2014, , .		7
100	Fuzzy query approach for crops planting dates adaptation with climate changes. , 2014, , .		2
101	Fuzzy time series approach for optimizing crops planting dates with climate changes. , 2014, , .		6
102	Biometrics template security on cloud computing. , 2014, , .		9
103	Enhanced Knowledge Discovery Approach in Textual Case Based Reasoning. , 2014, , .		1
104	A two-dimension fuzzy set based approach for matching touch-based gestures. , 2014, , .		0
105	A goal-based technique for requirements prioritization. , 2014, , .		15
106	An Enhanced Fuzzy Information Retrieval Model Based on Linguistics. Applied Mechanics and Materials, 2014, 519-520, 853-856.	0.2	0
107	Adaptive TAKAGI-SUGENO fuzzy model using weighted fuzzy expected value in wireless sensor network. , 2014, , .		6
108	A hybrid biometric approach embedding DNA data in fingerprint images. , 2014, , .		6

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109	An Enhanced Method for MCDM Based on Improved Fuzzy Decision Map. , 2014, , .		3
110	An Enhanced Multi-view Fuzzy Information Retrieval Model based on Linguistics. IERI Procedia, 2014, 7, 90-95.	0.3	6
111	Improving the Performance of TAntNet-2 Using Scout Behavior. Communications in Computer and Information Science, 2014, , 424-435.	0.5	4
112	Semantic Information Retrieval Model: Fuzzy Ontology Approach. International Journal of Computer Applications, 2014, 91, 9-14.	0.2	6
113	Comparative Study Load Balance Algorithms for Map Reduce Environment. International Journal of Computer Applications, 2014, 106, 41-50.	0.2	7
114	An Enhanced Fuzzy Multi Criteria Decision Making Model with A proposed Polygon Fuzzy Number. International Journal of Advanced Computer Science and Applications, 2014, 5, .	0.7	2
115	Visualizing and Identifying the DNA Methylation Markers in Breast Cancer Tumor Subtypes. Advances in Intelligent Systems and Computing, 2014, , 161-171.	0.6	0
116	An Intelligent Multi-agent Recommender System. Advances in Intelligent Systems and Computing, 2014, , 201-213.	0.6	1
117	Flexible Querying of Relational Databases: Fuzzy Set Based Approach. Communications in Computer and Information Science, 2014, , 446-455.	0.5	6
118	Fuzzy Query Approach for Crops Planting Dates Optimization Based on Climate Data. Communications in Computer and Information Science, 2014, , 436-445.	0.5	1
119	Classification Approach Based on Rough Mereology. Advances in Intelligent Systems and Computing, 2014, , 175-184.	0.6	0
120	Contextual View-based Access Control Model for Spatial Data on Web. International Journal of Computer Applications, 2014, 87, 38-42.	0.2	1
121	Predicted Energy-Efficient Bee-inspired Routing (PEEBR) Path Selection Optimization. Journal of Wireless Networking and Communications, 2014, 4, 33-41.	0.4	0
122	An extension of fuzzy decision maps for multi-criteria decision-making. Egyptian Informatics Journal, 2013, 14, 147-155.	6.8	26
123	Applying formal concept analysis for visualizing DNA methylation status in breast cancer tumor subtypes. , 2013, , .		4
124	Granular based analytical hierarchical process. , 2013, , .		3
125	Kekre's transform for protecting fingerprint template. , 2013, , .		6
126	Heuristic information for ant colony optimization for the feature selection problem. , 2013, , .		2

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127	Fuzzy multi-criteria decision making model for different scenarios of electrical power generation in Egypt. Egyptian Informatics Journal, 2013, 14, 125-133.	6.8	21
128	MCDM method based on improved fuzzy decision map. , 2013, , .		6
129	Applying granular computing in uncertain optimization problems. , 2013, , .		0
130	Using formal concept analysis for mining hyomethylated genes among breast cancer tumors subtypes. , 2013, , .		9
131	Solving uncertain shortest path problem based on granular computing. , 2013, , .		2
132	Attacks on Anonymization-Based Privacy-Preserving: A Survey for Data Mining and Data Publishing. Journal of Information Security, 2013, 04, 101-112.	0.8	27
133	On Uncertain Granular Numbers. International Journal of Computer Applications, 2013, 62, 20-27.	0.2	6
134	Rule Generation Approach for Granular Computing Using Rough Mereology. , 2013, , 101-106.		1
135	Fuzzy Rule Generation Approach to Granular Computing Using Rough Mereology. , 2013, , 107-112.		0
136	A Developed Multi-Criteria Decision Making Model to Rank Different Scenarios of Electrical Power Generation in Egypt. International Journal of Computer Applications, 2013, 84, 6-14.	0.2	0
137	A Hybrid Approach for Biometric Template Security. , 2012, , .		16
138	Level set-based CT liver image segmentation with watershed and artificial neural networks. , 2012, , .		15
139	Evaluating the effects of image filters in CT Liver CAD system. , 2012, , .		11
140	Threshold based AntNet algorithm for dynamic traffic routing of road networks. Egyptian Informatics Journal, 2012, 13, 111-121.	6.8	11
141	Formal concept analysis for mining hypermethylated genes in breast cancer tumor subtypes. , 2012, , .		9
142	Rough Sets-Based Rules Generation Approach: A Hepatitis C Virus Data Sets. Communications in Computer and Information Science, 2012, , 52-59.	0.5	7
143	Construct Fuzzy Decision Trees Based on Roughness Measures. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 199-207.	0.3	4
144	Induction of fuzzy decision trees based on fuzzy rough set techniques. , 2011, , .		5

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145	LDWMeanPSO: A new improved particle swarm optimization technique. , 2011, , .		4
146	Web-Based Applications quality factors: A survey and a proposed conceptual model. Egyptian Informatics Journal, 2011, 12, 211-217.	6.8	24
147	Fuzzy time series model for Egypt Gold Reserves forecasting based on fuzzy clustering. , 2011, , .		0
148	Constructing Fuzzy Time Series Model Based on Fuzzy Clustering for a Forecasting. Journal of Computer Science, 2010, 6, 735-739.	0.6	9
149	A novel multiagent system based on dynamic fuzzy cognitive map approach. , 2010, , .		3
150	Fuzzy-based ant colony optimization algorithm. , 2010, , .		13
151	Comments on "Distinguishability quantification of fuzzy sets". Information Sciences, 2007, 177, 4832-4839.	6.9	16
152	Logical radial basis function networks a hybrid intelligent model for function approximation. Advances in Engineering Software, 1999, 30, 407-417.	3.8	10
153	A Novel Framework for Hybrid Intelligent Systems. Lecture Notes in Computer Science, 1999, , 761-770.	1.3	1
154	EXPMUL: an expert system for the design of multivariable control systems. International Journal of Systems Science, 1993, 24, 2345-2366.	5.5	1
155	Complete hardware and software implementation of automotive wheelchairs. , 0, , .		0
156	Term Weighting: A Multi-View Fuzzy Ontology Based Approach. Applied Mechanics and Materials, 0, 519-520, 857-862.	0.2	0
157	A Symmetric Bio-Hash Function Based on Fingerprint Minutiae and Principal Curves Approach. , 0, , 405-410.		8
158	An Enhanced Fuzzy Information Retrieval Model Based on Linguistics. Applied Mechanics and Materials, 0, 519-520, 851-854.	0.2	0
159	Term Weighting: A Multi-View Fuzzy Ontology Based Approach. Applied Mechanics and Materials, 0, 519-520, 855-860.	0.2	0