Mehrbakhsh Nilashi

List of Publications by Year
in descending order

135 papers	7,249 citations	41344 49 h-index	66911 78 g-index
135 all docs	135 docs citations	135 times ranked	5679 citing authors

#	Article	IF	Citations
1	A recommender system based on collaborative filtering using ontology and dimensionality reduction techniques. Expert Systems With Applications, 2018, 92, 507-520.	7.6	271
2	A systematic review and meta-Analysis of SWARA and WASPAS methods: Theory and applications with recent fuzzy developments. Applied Soft Computing Journal, 2017, 57, 265-292.	7.2	223
3	Investigating influence of green innovation on sustainability performance: A case on Malaysian hotel industry. Journal of Cleaner Production, 2020, 258, 120860.	9.3	214
4	A knowledge-based system for breast cancer classification using fuzzy logic method. Telematics and Informatics, 2017, 34, 133-144.	5.8	184
5	Hybrid recommendation approaches for multi-criteria collaborative filtering. Expert Systems With Applications, 2014, 41, 3879-3900.	7.6	176
6	Market segmentation and travel choice prediction in Spa hotels through TripAdvisor's online reviews. International Journal of Hospitality Management, 2019, 80, 52-77.	8.8	164
7	A multi-criteria collaborative filtering recommender system for the tourism domain using Expectation Maximization (EM) and PCA–ANFIS. Electronic Commerce Research and Applications, 2015, 14, 542-562.	5.0	159
8	Forecasting social CRM adoption in SMEs: A combined SEM-neural network method. Computers in Human Behavior, 2017, 75, 560-578.	8.5	154
9	The application of internet of things in healthcare: a systematic literature review and classification. Universal Access in the Information Society, 2019, 18, 837-869.	3.0	151
10	Revealing customers' satisfaction and preferences through online review analysis: The case of Canary Islands hotels. Journal of Retailing and Consumer Services, 2019, 51, 331-343.	9.4	136
11	An analytical method for diseases prediction using machine learning techniques. Computers and Chemical Engineering, 2017, 106, 212-223.	3.8	134
12	Organizational decision to adopt hospital information system: An empirical investigation in the case of Malaysian public hospitals. International Journal of Medical Informatics, 2015, 84, 166-188.	3.3	130
13	Factors influencing medical tourism adoption in Malaysia: A DEMATEL-Fuzzy TOPSIS approach. Computers and Industrial Engineering, 2019, 137, 106005.	6.3	130
14	Application of decision making and fuzzy sets theory to evaluate the healthcare and medical problems: A review of three decades of research with recent developments. Expert Systems With Applications, 2019, 137, 202-231.	7.6	129
15	Diseases diagnosis using fuzzy logic methods: A systematic and meta-analysis review. Computer Methods and Programs in Biomedicine, 2018, 161, 145-172.	4.7	122
16	Factors impacting consumers' intention toward adoption of electric vehicles in Malaysia. Journal of Cleaner Production, 2021, 282, 124474.	9.3	119
17	Determining the importance of Hospital Information System adoption factors using Fuzzy Analytic Network Process (ANP). Technological Forecasting and Social Change, 2016, 111, 244-264.	11.6	118
18	The role of Security, Design and Content factors on customer trust in mobile commerce. Journal of Retailing and Consumer Services, 2015, 26, 57-69.	9.4	113

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19	Hospital Information System adoption: Expert perspectives on an adoption framework for Malaysian public hospitals. Computers in Human Behavior, 2017, 67, 161-189.	8.5	106
20	A hybrid intelligent system for the prediction of Parkinson's Disease progression using machine learning techniques. Biocybernetics and Biomedical Engineering, 2018, 38, 1-15.	5.9	106
21	A recommender system for tourism industry using cluster ensemble and prediction machine learning techniques. Computers and Industrial Engineering, 2017, 109, 357-368.	6.3	105
22	Accuracy Improvement for Predicting Parkinson's Disease Progression. Scientific Reports, 2016, 6, 34181.	3.3	101
23	The impact of enterprise risk management on competitive advantage by moderating role of information technology. Computer Standards and Interfaces, 2019, 63, 67-82.	5.4	101
24	Influence of big data adoption on manufacturing companies' performance: An integrated DEMATEL-ANFIS approach. Technological Forecasting and Social Change, 2018, 137, 199-210.	11.6	99
25	Preference learning for eco-friendly hotels recommendation: A multi-criteria collaborative filtering approach. Journal of Cleaner Production, 2019, 215, 767-783.	9.3	98
26	Land suitability procedure for sustainable citrus planning using the application of the analytical network process approach and GIS. Computers and Electronics in Agriculture, 2015, 117, 114-126.	7.7	95
27	Recommendation quality, transparency, and website quality for trust-building in recommendation agents. Electronic Commerce Research and Applications, 2016, 19, 70-84.	5.0	95
28	Information technology adoption: a review of the literature and classification. Universal Access in the Information Society, 2018, 17, 361-390.	3.0	90
29	Multi-criteria decision making approach in E-learning: A systematic review and classification. Applied Soft Computing Journal, 2016, 45, 108-128.	7.2	89
30	Decision Making Methods Based on Fuzzy Aggregation Operators: Three Decades Review from 1986 to 2017. International Journal of Information Technology and Decision Making, 2018, 17, 391-466.	3.9	89
31	Clustering- and regression-based multi-criteria collaborative filtering with incremental updates. Information Sciences, 2015, 293, 235-250.	6.9	88
32	Measuring sustainability through ecological sustainability and human sustainability: A machine learning approach. Journal of Cleaner Production, 2019, 240, 118162.	9.3	88
33	A predictive method for hepatitis disease diagnosis using ensembles of neuro-fuzzy technique. Journal of Infection and Public Health, 2019, 12, 13-20.	4.1	85
34	Application of data envelopment analysis models in supply chain management: a systematic review and meta-analysis. Annals of Operations Research, 2018, 271, 915-969.	4.1	79
35	Multi-criteria collaborative filtering with high accuracy using higher order singular value decomposition and Neuro-Fuzzy system. Knowledge-Based Systems, 2014, 60, 82-101.	7.1	77
36	Travelers decision making using online review in social network sites: A case on TripAdvisor. Journal of Computational Science, 2018, 28, 168-179.	2.9	77

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37	Assessment of sustainability indicators for green building manufacturing using fuzzy multi-criteria decision making approach. Journal of Cleaner Production, 2020, 277, 122905.	9.3	76
38	A knowledge-based expert system for assessing the performance level of green buildings. Knowledge-Based Systems, 2015, 86, 194-209.	7.1	73
39	Social media addiction: Applying the DEMATEL approach. Telematics and Informatics, 2019, 43, 101250.	5.8	69
40	Customers perspectives on adoption of cloud computing in banking sector. Information Technology and Management, 2017, 18, 305-330.	2.4	68
41	Predicting determinants of hotel success and development using Structural Equation Modelling (SEM)-ANFIS method. Tourism Management, 2018, 66, 364-386.	9.8	66
42	The impact of big data on firm performance in hotel industry. Electronic Commerce Research and Applications, 2020, 40, 100921.	5.0	64
43	Customers segmentation in eco-friendly hotels using multi-criteria and machine learning techniques. Technology in Society, 2021, 65, 101528.	9.4	62
44	Fuzzy logic approach for infectious disease diagnosis: A methodical evaluation, literature and classification. Biocybernetics and Biomedical Engineering, 2019, 39, 937-955.	5.9	60
45	Accuracy Improvement for Diabetes Disease Classification: A Case on a Public Medical Dataset. Fuzzy Information and Engineering, 2017, 9, 345-357.	1.7	56
46	Green Supply Chain Management practices and impact on firm performance: The moderating effect of collaborative capability. Technology in Society, 2021, 67, 101766.	9.4	55
47	Drivers and barriers of electric vehicle usage in Malaysia: A DEMATEL approach. Resources, Conservation and Recycling, 2022, 177, 105965.	10.8	55
48	Students' green information technology behavior: Beliefs and personality traits. Journal of Cleaner Production, 2020, 257, 120406.	9.3	54
49	Coronary Heart Disease Diagnosis Through Self-Organizing Map and Fuzzy Support Vector Machine with Incremental Updates. International Journal of Fuzzy Systems, 2020, 22, 1376-1388.	4.0	53
50	The impact of coronavirus pandemic (COVID-19) on education: The role of virtual and remote laboratories in education. Technology in Society, 2021, 67, 101728.	9.4	53
51	Authentication systems: A literature review and classification. Telematics and Informatics, 2018, 35, 1491-1511.	5.8	52
52	Cloud computing adoption model for e-government implementation. Information Development, 2017, 33, 303-323.	2.3	51
53	A Hybrid Method with TOPSIS and Machine Learning Techniques for Sustainable Development of Green Hotels Considering Online Reviews. Sustainability, 2019, 11, 6013.	3.2	51
54	Remote tracking of Parkinson's Disease progression using ensembles of Deep Belief Network and Self-Organizing Map. Expert Systems With Applications, 2020, 159, 113562.	7.6	49

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55	A multi-stage method to predict carbon dioxide emissions using dimensionality reduction, clustering, and machine learning techniques. Journal of Cleaner Production, 2020, 275, 122942.	9.3	47
56	The moderating effect of experience on the intention to adopt mobile social network sites for pedagogical purposes: An extension of the technology acceptance model. Education and Information Technologies, 2018, 23, 2477-2498.	5.7	46
57	Application of Structural Equation Modeling (SEM) to Solve Environmental Sustainability Problems: A Comprehensive Review and Meta-Analysis. Sustainability, 2017, 9, 1814.	3.2	45
58	Role of OpenEHR as an open source solution for the regional modelling of patient data in obstetrics. Journal of Biomedical Informatics, 2015, 55, 174-187.	4.3	44
59	Modelling upper echelonsâ€™ behavioural drivers of Green IT/IS adoption using an integrated Interpretive Structural Modelling â€“ Analytic Network Process approach. Telematics and Informatics, 2017, 34, 583-603.	5.8	43
60	Investigating factors influencing decision-makersâ€™ intention to adopt Green IT in Malaysian manufacturing industry. Resources, Conservation and Recycling, 2019, 148, 36-54.	10.8	42
61	Energy Consumption, Economic Growth, and CO2 Emissions in G20 Countries: Application of Adaptive Neuro-Fuzzy Inference System. Energies, 2018, 11, 2771.	3.1	41
62	Collaborative Filtering Recommender Systems. Research Journal of Applied Sciences, Engineering and Technology, 2013, 5, 4168-4182.	0.1	40
63	Rock tensile strength prediction using empirical and soft computing approaches. Bulletin of Engineering Geology and the Environment, 2019, 78, 4519-4531.	3.5	40
64	An analytical method for measuring the Parkinsonâ€™s disease progression: A case on a Parkinsonâ€™s telemonitoring dataset. Measurement: Journal of the International Measurement Confederation, 2019, 136, 545-557.	5.0	39
65	Can complementary and alternative medicines be beneficial in the treatment of COVID-19 through improving immune system function?. Journal of Infection and Public Health, 2020, 13, 893-896.	4.1	39
66	What is the impact of service quality on customersâ€™ satisfaction during COVID-19 outbreak? New findings from online reviews analysis. Telematics and Informatics, 2021, 64, 101693.	5.8	39
67	Decision to adopt online collaborative learning tools in higher education: A case of top Malaysian universities. Education and Information Technologies, 2019, 24, 79-102.	5.7	38
68	MCPCM: A DEMATEL-ANP-Based Multi-criteria Decision-Making Approach to Evaluate the Critical Success Factors in Construction Projects. Arabian Journal for Science and Engineering, 2015, 40, 343-361.	1.1	37
69	Recommendation agents and information sharing through social media for coronavirus outbreak. Telematics and Informatics, 2021, 61, 101597.	5.8	37
70	A soft computing method for the prediction of energy performance of residential buildings. Measurement: Journal of the International Measurement Confederation, 2017, 109, 268-280.	5.0	36
71	Explaining Studentsâ€™ Continuance Intention to Use Mobile Web 2.0 Learning and Their Perceived Learning: An Integrated Approach. Journal of Educational Computing Research, 2020, 57, 1956-2005.	5.5	36
72	Revealing travellersâ€™ satisfaction during COVID-19 outbreak: Moderating role of service quality. Journal of Retailing and Consumer Services, 2022, 64, 102783.	9.4	34

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73	A Model for Detecting Customer Level Intentions to Purchase in B2C Websites Using TOPSIS and Fuzzy Logic Rule-Based System. Arabian Journal for Science and Engineering, 2014, 39, 1907-1922.	1.1	33
74	An intelligent method for iris recognition using supervised machine learning techniques. Optics and Laser Technology, 2019, 120, 105701.	4.6	33
75	Loyalty of young female Arabic customers towards recommendation agents: A new model for B2C E-commerce. Technology in Society, 2020, 61, 101253.	9.4	33
76	Customer satisfaction with Restaurants Service Quality during COVID-19 outbreak: A two-stage methodology. Technology in Society, 2022, 70, 101977.	9.4	33
77	A multi-criteria recommendation system using dimensionality reduction and Neuro-Fuzzy techniques. Soft Computing, 2015, 19, 3173-3207.	3.6	32
78	The impact of social networking sites on students' social wellbeing and academic performance. Education and Information Technologies, 2019, 24, 2081-2094.	5.7	31
79	A soft computing approach for diabetes disease classification. Health Informatics Journal, 2018, 24, 379-393.	2.1	30
80	Academic researchers' behavioural intention to use academic social networking sites: A case of Malaysian research universities. Information Development, 2019, 35, 245-261.	2.3	30
81	Analysis of Travellers' Online Reviews in Social Networking Sites Using Fuzzy Logic Approach. International Journal of Fuzzy Systems, 2019, 21, 1367-1378.	4.0	28
82	Medical image processing and COVID-19: A literature review and bibliometric analysis. Journal of Infection and Public Health, 2022, 15, 75-93.	4.1	28
83	A proposed adoption model for green IT in manufacturing industries. Journal of Cleaner Production, 2021, 297, 126629.	9.3	26
84	A FUZZY DECISION SUPPORT SYSTEM FOR SUSTAINABLE CONSTRUCTION PROJECT SELECTION: AN INTEGRATED FPP-FIS MODEL. Journal of Civil Engineering and Management, 2020, 26, 247-258.	3.5	26
85	Predicting Parkinson's Disease Progression: Evaluation of Ensemble Methods in Machine Learning. Journal of Healthcare Engineering, 2022, 2022, 1-17.	1.9	26
86	Performance improvement for recommender systems using ontology. Telematics and Informatics, 2017, 34, 1772-1792.	5.8	25
87	The moderating effect of hospital size on inter and intra-organizational factors of Hospital Information System adoption. Technological Forecasting and Social Change, 2018, 134, 124-149.	11.6	25
88	Big social data and customer decision making in vegetarian restaurants: A combined machine learning method. Journal of Retailing and Consumer Services, 2021, 62, 102630.	9.4	25
89	Recent Fuzzy Generalisations of Rough Sets Theory: A Systematic Review and Methodological Critique of the Literature. Complexity, 2017, 2017, 1-33.	1.6	24
90	A two-stage methodology based on ensemble Adaptive Neuro-Fuzzy Inference System to predict carbon dioxide emissions. Journal of Cleaner Production, 2019, 231, 446-461.	9.3	24

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91	A new model for customer purchase intention in e-commerce recommendation agents. Journal of International Studies, 2018, 11, 237-253.	1.9	24
92	A literature review on beneficial role of vitamins and trace elements: Evidence from published clinical studies. Journal of Trace Elements in Medicine and Biology, 2021, 67, 126789.	3.0	22
93	Knowledge discovery for course choice decision in Massive Open Online Courses using machine learning approaches. Expert Systems With Applications, 2022, 199, 117092.	7.6	22
94	Travellers decision making through preferences learning: A case on Malaysian spa hotels in TripAdvisor. Computers and Industrial Engineering, 2021, 158, 107348.	6.3	20
95	An analytical approach for big social data analysis for customer decision-making in eco-friendly hotels. Expert Systems With Applications, 2021, 186, 115722.	7.6	20
96	Psychological Factors Influencing the Managers' Intention to Adopt Green IS. International Journal of Strategic Decision Sciences, 2015, 6, 28-56.	0.0	19
97	Toward software quality enhancement by Customer Knowledge Management in software companies. Telematics and Informatics, 2018, 35, 18-37.	5.8	19
98	Measuring Country Sustainability Performance Using Ensembles of Neuro-Fuzzy Technique. Sustainability, 2018, 10, 2707.	3.2	19
99	An Application Expert System for Evaluating Effective Factors on Trust in B2C WebsitesTrust, Security, ANFIS, Fuzzy Logic, Rule Based Systems, Electronic Commerce. Engineering, 2011, 03, 1063-1071.	0.8	18
100	Decision to Adopt Neuromarketing Techniques for Sustainable Product Marketing: A Fuzzy Decision-Making Approach. Symmetry, 2020, 12, 305.	2.2	17
101	What is the impact of eWOM in social network sites on travel decision-making during the COVID-19 outbreak? A two-stage methodology. Telematics and Informatics, 2022, 69, 101795.	5.8	17
102	Evaluating medical travelersâ€™ satisfaction through online review analysis. Journal of Hospitality and Tourism Management, 2021, 48, 519-537.	6.6	16
103	Firm performance through social Customer Relationship Management: Evidence from small and medium enterprises. , 2017, , .		14
104	A behavioral intention model for SaaS-based collaboration services in higher education. Education and Information Technologies, 2020, 25, 791-816.	5.7	14
105	Evaluation of Factors to Respond to the COVID-19 Pandemic Using DEMATEL and Fuzzy Rule-Based Techniques. International Journal of Fuzzy Systems, 2022, 24, 27-43.	4.0	14
106	A new approach for prediction of graphene based ISFET using regression tree and neural network. Superlattices and Microstructures, 2019, 130, 241-248.	3.1	13
107	Soft computing techniques in prediction gas sensor based 2D material. Organic Electronics, 2018, 62, 181-188.	2.6	12
108	Effect of internet of things on manufacturing performance: A hybrid multi-criteria decision-making and neuro-fuzzy approach. Technovation, 2022, 118, 102426.	7.8	12

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109	Development of a SaaS Adoption Decision-Making Model Using a New Hybrid MCDM Approach. International Journal of Information Technology and Decision Making, 2019, 18, 1845-1874.	3.9	11
110	Approximate Analytic Solution for the KdV and Burger Equations with the Homotopy Analysis Method. Journal of Applied Mathematics, 2012, 2012, 1-13.	0.9	10
111	An evaluation model for the implementation of hospital information system in public hospitals using multi-criteria-decision-making (MCDM) approaches. International Journal of Engineering and Technology(UAE), 2017, 7, 1.	0.3	10
112	An interpretive structural modelling of the features influencing researchers' selection of reference management software. Journal of Librarianship and Information Science, 2019, 51, 34-46.	2.4	10
113	Factors Influencing Beliefs Formation towards the Adoption of Social Commerce in SME Travel Agencies. Economics and Sociology, 2018, 11, 207-225.	2.3	10
114	ISVR modeling of an interferon gamma (IFN-Î³) biosensor based on graphene. Analytical Methods, 2016, 8, 7217-7224.	2.7	8
115	Sustainability Performance Assessment Using Self-Organizing Maps (SOM) and Classification and Ensembles of Regression Trees (CART). Sustainability, 2021, 13, 3870.	3.2	7
116	Online Reviews Analysis for Customer Segmentation through Dimensionality Reduction and Deep Learning Techniques. Arabian Journal for Science and Engineering, 2021, 46, 8697-8709.	3.0	7
117	What Factors Influence Students Satisfaction in Massive Open Online Courses? Findings from User-Generated Content Using Educational Data Mining. Education and Information Technologies, 2022, 27, 9401-9435.	5.7	7
118	Managing Information Uncertainty and Complexity in Decision-Making. Complexity, 2017, 2017, 1-3.	1.6	6
119	Moderating Effects of Demographics on Green Information System Adoption. International Journal of Innovation and Technology Management, 2019, 16, .	1.4	6
120	Big social data analysis for impact of food quality on travelers' satisfaction in eco-friendly hotels. ICT Express, 2023, 9, 182-188.	4.8	5
121	Customer satisfaction analysis and preference prediction in historic sites through electronic word of mouth. Neural Computing and Applications, 2022, 34, 13867-13881.	5.6	5
122	Features Influencing Researchers' Selection of Reference Management Software. Journal of Information and Knowledge Management, 2016, 15, 1650032.	1.1	4
123	<scp>ANFIS</scp> modeling for bacteria detection based on <scp>GNR</scp> biosensor. Journal of Chemical Technology and Biotechnology, 2016, 91, 1728-1736.	3.2	4
124	Organizational Factors Affecting the Adoption of a Technological Innovation: A Study of the Hospital Information System (HIS). , 2019, , .		4
125	A Literature Review On Purchase Intention Factors In E-Commerce. , 0, , .		4
126	Analytical investigation of superior gas sensor based on phosphorene. Microsystem Technologies, 2019, 25, 897-903.	2.0	3

#	ARTICLE	IF	CITATIONS
127	A Computational Model of Neural Learning to Predict Graphene Based ISFET. Journal of Electronic Materials, 2019, 48, 4647-4652.	2.2	3
128	Latent based temporal optimization approach for improving the performance of collaborative filtering. PeerJ Computer Science, 2020, 6, e331.	4.5	3
129	A Hybrid Method to Solve Data Sparsity in Travel Recommendation Agents Using Fuzzy Logic Approach. Mathematical Problems in Engineering, 2022, 2022, 1-20.	1.1	3
130	An Improved Method for Predicting and Ranking Suppliers Efficiency Using Data Envelopment Analysis. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	2
131	Integrated feedback control reporting for improving quality of technical service reporting in IT service management. Telematics and Informatics, 2017, 34, 1736-1771.	5.8	2
132	A Recommendation Method Based on Semantic Similarity and Complementarity Using Weighted Taxonomy: A Case on Construction Materials Dataset. Journal of Information and Knowledge Management, 2018, 17, 1850010.	1.1	2
133	Eye State Identification Utilizing EEG Signals: A Combined Method Using Self-Organizing Map and Deep Belief Network. Scientific Programming, 2022, 2022, 1-16.	0.7	2
134	Detection of bilayer lipid with graphene nanoribbon. Electronic Materials Letters, 2015, 11, 806-814.	2.2	1
135	Analytical investigation of ion-sensitive field effect transistorÂbased on graphene. Journal of Materials Science: Materials in Electronics, 2020, 31, 6461-6466.	2.2	1