

Mehrbakhsh Nilashi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

4,101
citations

38
h-index

59
g-index

135
ext. papers

5,590
ext. citations

5.2
avg, IF

6.3
L-index

#	Paper	IF	Citations
133	Predicting Parkinson's Disease Progression: Evaluation of Ensemble Methods in Machine Learning.. <i>Journal of Healthcare Engineering</i> , 2022 , 2022, 2793361	3.7	2
132	Drivers and barriers of electric vehicle usage in Malaysia: A DEMATEL approach. <i>Resources, Conservation and Recycling</i> , 2022 , 177, 105965	11.9	5
131	Eye State Identification Utilizing EEG Signals: A Combined Method Using Self-Organizing Map and Deep Belief Network. <i>Scientific Programming</i> , 2022 , 2022, 1-16	1.4	
130	Knowledge discovery for course choice decision in Massive Open online courses using Machine learning approaches. <i>Expert Systems With Applications</i> , 2022 , 117092	7.8	1
129	What is the impact of eWOM in social network sites on travel decision-making during the COVID-19 outbreak? A two-stage methodology. <i>Telematics and Informatics</i> , 2022 , 69, 101795	8.1	2
128	Customer satisfaction with Restaurants Service Quality during COVID-19 outbreak: A two-stage methodology. <i>Technology in Society</i> , 2022 , 70, 101977	6.3	4
127	Medical image processing and COVID-19: A literature review and bibliometric analysis. <i>Journal of Infection and Public Health</i> , 2021 , 15, 75-75	7.4	4
126	Effect of internet of things on manufacturing performance: A hybrid multi-criteria decision-making and neuro-fuzzy approach. <i>Technovation</i> , 2021 , 102426	7.9	3
125	Green Supply Chain Management practices and impact on firm performance: The moderating effect of collaborative capability. <i>Technology in Society</i> , 2021 , 67, 101766	6.3	13
124	Online Reviews Analysis for Customer Segmentation through Dimensionality Reduction and Deep Learning Techniques. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 8697-8709	2.5	2
123	A proposed adoption model for green IT in manufacturing industries. <i>Journal of Cleaner Production</i> , 2021 , 297, 126629	10.3	7
122	Customers segmentation in eco-friendly hotels using multi-criteria and machine learning techniques. <i>Technology in Society</i> , 2021 , 65, 101528	6.3	17
121	Factors impacting consumers'Intention toward adoption of electric vehicles in Malaysia. <i>Journal of Cleaner Production</i> , 2021 , 282, 124474	10.3	32
120	Sustainability Performance Assessment Using Self-Organizing Maps (SOM) and Classification and Ensembles of Regression Trees (CART). <i>Sustainability</i> , 2021 , 13, 3870	3.6	1
119	Travellers decision making through preferences learning: A case on Malaysian spa hotels in TripAdvisor. <i>Computers and Industrial Engineering</i> , 2021 , 158, 107348	6.4	6
118	Recommendation agents and information sharing through social media for coronavirus outbreak. <i>Telematics and Informatics</i> , 2021 , 61, 101597	8.1	15
117	Revealing Travellers' Satisfaction during COVID-19 Outbreak: Moderating Role of Service Quality. <i>Journal of Retailing and Consumer Services</i> , 2021 , 64, 102783	8.5	6

116	A literature review on beneficial role of vitamins and trace elements: Evidence from published clinical studies. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 67, 126789	4.1	6
115	Evaluating medical travelers' satisfaction through online review analysis. <i>Journal of Hospitality and Tourism Management</i> , 2021 , 48, 519-537	6	1
114	Big social data and customer decision making in vegetarian restaurants: A combined machine learning method. <i>Journal of Retailing and Consumer Services</i> , 2021 , 62, 102630	8.5	3
113	The impact of coronavirus pandemic (COVID-19) on education: The role of virtual and remote laboratories in education. <i>Technology in Society</i> , 2021 , 67, 101728	6.3	16
112	What is the impact of service quality on customers' satisfaction during COVID-19 outbreak? New findings from online reviews analysis. <i>Telematics and Informatics</i> , 2021 , 64, 101693	8.1	16
111	An analytical approach for big social data analysis for customer decision-making in eco-friendly hotels. <i>Expert Systems With Applications</i> , 2021 , 186, 115722	7.8	4
110	Remote tracking of Parkinson's Disease progression using ensembles of Deep Belief Network and Self-Organizing Map. <i>Expert Systems With Applications</i> , 2020 , 159, 113562	7.8	24
109	Can complementary and alternative medicines be beneficial in the treatment of COVID-19 through improving immune system function?. <i>Journal of Infection and Public Health</i> , 2020 , 13, 893-896	7.4	22
108	Analytical investigation of ion-sensitive field effect transistor based on graphene. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 6461-6466	2.1	1
107	Coronary Heart Disease Diagnosis Through Self-Organizing Map and Fuzzy Support Vector Machine with Incremental Updates. <i>International Journal of Fuzzy Systems</i> , 2020 , 22, 1376-1388	3.6	25
106	Investigating influence of green innovation on sustainability performance: A case on Malaysian hotel industry. <i>Journal of Cleaner Production</i> , 2020 , 258, 120860	10.3	76
105	Students' green information technology behavior: Beliefs and personality traits. <i>Journal of Cleaner Production</i> , 2020 , 257, 120406	10.3	27
104	Decision to Adopt Neuromarketing Techniques for Sustainable Product Marketing: A Fuzzy Decision-Making Approach. <i>Symmetry</i> , 2020 , 12, 305	2.7	7
103	Loyalty of young female Arabic customers towards recommendation agents: A new model for B2C E-commerce. <i>Technology in Society</i> , 2020 , 61, 101253	6.3	21
102	A FUZZY DECISION SUPPORT SYSTEM FOR SUSTAINABLE CONSTRUCTION PROJECT SELECTION: AN INTEGRATED FPP-FIS MODEL. <i>Journal of Civil Engineering and Management</i> , 2020 , 26, 247-258	3	16
101	Latent based temporal optimization approach for improving the performance of collaborative filtering. <i>PeerJ Computer Science</i> , 2020 , 6, e331	2.7	1
100	The impact of big data on firm performance in hotel industry. <i>Electronic Commerce Research and Applications</i> , 2020 , 40, 100921	4.6	27
99	A multi-stage method to predict carbon dioxide emissions using dimensionality reduction, clustering, and machine learning techniques. <i>Journal of Cleaner Production</i> , 2020 , 275, 122942	10.3	20

98	Assessment of sustainability indicators for green building manufacturing using fuzzy multi-criteria decision making approach. <i>Journal of Cleaner Production</i> , 2020 , 277, 122905	10.3	29
97	Explaining Students' Continuance Intention to Use Mobile Web 2.0 Learning and Their Perceived Learning: An Integrated Approach. <i>Journal of Educational Computing Research</i> , 2020 , 57, 1956-2005	3.8	17
96	A behavioral intention model for SaaS-based collaboration services in higher education. <i>Education and Information Technologies</i> , 2020 , 25, 791-816	3.6	9
95	Measuring sustainability through ecological sustainability and human sustainability: A machine learning approach. <i>Journal of Cleaner Production</i> , 2019 , 240, 118162	10.3	42
94	Fuzzy logic approach for infectious disease diagnosis: A methodical evaluation, literature and classification. <i>Biocybernetics and Biomedical Engineering</i> , 2019 , 39, 937-955	5.7	31
93	Market segmentation and travel choice prediction in Spa hotels through TripAdvisor's online reviews. <i>International Journal of Hospitality Management</i> , 2019 , 80, 52-77	8.3	96
92	Investigating factors influencing decision-makers' intention to adopt Green IT in Malaysian manufacturing industry. <i>Resources, Conservation and Recycling</i> , 2019 , 148, 36-54	11.9	24
91	A two-stage methodology based on ensemble Adaptive Neuro-Fuzzy Inference System to predict carbon dioxide emissions. <i>Journal of Cleaner Production</i> , 2019 , 231, 446-461	10.3	15
90	A Computational Model of Neural Learning to Predict Graphene Based ISFET. <i>Journal of Electronic Materials</i> , 2019 , 48, 4647-4652	1.9	2
89	Analysis of Travellers' Online Reviews in Social Networking Sites Using Fuzzy Logic Approach. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 1367-1378	3.6	18
88	A new approach for prediction of graphene based ISFET using regression tree and neural network. <i>Superlattices and Microstructures</i> , 2019 , 130, 241-248	2.8	9
87	Analytical investigation of superior gas sensor based on phosphorene. <i>Microsystem Technologies</i> , 2019 , 25, 897-903	1.7	2
86	Moderating Effects of Demographics on Green Information System Adoption. <i>International Journal of Innovation and Technology Management</i> , 2019 , 16, 1950008	1.1	4
85	Decision to adopt online collaborative learning tools in higher education: A case of top Malaysian universities. <i>Education and Information Technologies</i> , 2019 , 24, 79-102	3.6	22
84	Organizational Factors Affecting the Adoption of a Technological Innovation: A Study of the Hospital Information System (HIS) 2019 ,		2
83	Factors influencing medical tourism adoption in Malaysia: A DEMATEL-Fuzzy TOPSIS approach. <i>Computers and Industrial Engineering</i> , 2019 , 137, 106005	6.4	79
82	Social media addiction: Applying the DEMATEL approach. <i>Telematics and Informatics</i> , 2019 , 43, 101250	8.1	38
81	Revealing customers' satisfaction and preferences through online review analysis: The case of Canary Islands hotels. <i>Journal of Retailing and Consumer Services</i> , 2019 , 51, 331-343	8.5	65

80	An intelligent method for iris recognition using supervised machine learning techniques. <i>Optics and Laser Technology</i> , 2019 , 120, 105701	4.2	20
79	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. <i>Expert Systems With Applications</i> , 2019 , 137, 202-231	7.8	66
78	A Hybrid Method with TOPSIS and Machine Learning Techniques for Sustainable Development of Green Hotels Considering Online Reviews. <i>Sustainability</i> , 2019 , 11, 6013	3.6	26
77	Development of a SaaS Adoption Decision-Making Model Using a New Hybrid MCDM Approach. <i>International Journal of Information Technology and Decision Making</i> , 2019 , 18, 1845-1874	2.8	8
76	The impact of enterprise risk management on competitive advantage by moderating role of information technology. <i>Computer Standards and Interfaces</i> , 2019 , 63, 67-82	3.5	46
75	Preference learning for eco-friendly hotels recommendation: A multi-criteria collaborative filtering approach. <i>Journal of Cleaner Production</i> , 2019 , 215, 767-783	10.3	49
74	The impact of social networking sites on students' social wellbeing and academic performance. <i>Education and Information Technologies</i> , 2019 , 24, 2081-2094	3.6	12
73	An analytical method for measuring the Parkinson's disease progression: A case on a Parkinson's telemonitoring dataset. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 136, 545-557	4.6	21
72	Rock tensile strength prediction using empirical and soft computing approaches. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 4519-4531	4	25
71	A predictive method for hepatitis disease diagnosis using ensembles of neuro-fuzzy technique. <i>Journal of Infection and Public Health</i> , 2019 , 12, 13-20	7.4	42
70	Academic researchers' behavioural intention to use academic social networking sites: A case of Malaysian research universities. <i>Information Development</i> , 2019 , 35, 245-261	1.6	18
69	The application of internet of things in healthcare: a systematic literature review and classification. <i>Universal Access in the Information Society</i> , 2019 , 18, 837-869	2.5	83
68	An interpretive structural modelling of the features influencing researchers' selection of reference management software. <i>Journal of Librarianship and Information Science</i> , 2019 , 51, 34-46	1.4	6
67	Diseases diagnosis using fuzzy logic methods: A systematic and meta-analysis review. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 161, 145-172	6.9	83
66	A Recommendation Method Based on Semantic Similarity and Complementarity Using Weighted Taxonomy: A Case on Construction Materials Dataset. <i>Journal of Information and Knowledge Management</i> , 2018 , 17, 1850010	0.9	1
65	Predicting determinants of hotel success and development using Structural Equation Modelling (SEM)-ANFIS method. <i>Tourism Management</i> , 2018 , 66, 364-386	10.8	48
64	The moderating effect of experience on the intention to adopt mobile social network sites for pedagogical purposes: An extension of the technology acceptance model. <i>Education and Information Technologies</i> , 2018 , 23, 2477-2498	3.6	26
63	Authentication systems: A literature review and classification. <i>Telematics and Informatics</i> , 2018 , 35, 149181511	2.8	28

62	Decision Making Methods Based on Fuzzy Aggregation Operators: Three Decades Review from 1986 to 2017. <i>International Journal of Information Technology and Decision Making</i> , 2018 , 17, 391-466	2.8	60
61	A soft computing approach for diabetes disease classification. <i>Health Informatics Journal</i> , 2018 , 24, 379-393		17
60	Information technology adoption: a review of the literature and classification. <i>Universal Access in the Information Society</i> , 2018 , 17, 361-390	2.5	41
59	A recommender system based on collaborative filtering using ontology and dimensionality reduction techniques. <i>Expert Systems With Applications</i> , 2018 , 92, 507-520	7.8	183
58	Toward software quality enhancement by Customer Knowledge Management in software companies. <i>Telematics and Informatics</i> , 2018 , 35, 18-37	8.1	12
57	A hybrid intelligent system for the prediction of Parkinson's Disease progression using machine learning techniques. <i>Biocybernetics and Biomedical Engineering</i> , 2018 , 38, 1-15	5.7	64
56	Application of data envelopment analysis models in supply chain management: a systematic review and meta-analysis. <i>Annals of Operations Research</i> , 2018 , 271, 915-969	3.2	50
55	Soft computing techniques in prediction gas sensor based 2D material. <i>Organic Electronics</i> , 2018 , 62, 181-188	3.5	8
54	Influence of big data adoption on manufacturing companies' performance: An integrated DEMATEL-ANFIS approach. <i>Technological Forecasting and Social Change</i> , 2018 , 137, 199-210	9.5	65
53	Measuring Country Sustainability Performance Using Ensembles of Neuro-Fuzzy Technique. <i>Sustainability</i> , 2018 , 10, 2707	3.6	12
52	Factors Influencing Beliefs Formation towards the Adoption of Social Commerce in SME Travel Agencies. <i>Economics and Sociology</i> , 2018 , 11, 207-225	2.7	6
51	A new model for customer purchase intention in e-commerce recommendation agents. <i>Journal of International Studies</i> , 2018 , 11, 237-253	2.5	8
50	Energy Consumption, Economic Growth, and CO2 Emissions in G20 Countries: Application of Adaptive Neuro-Fuzzy Inference System. <i>Energies</i> , 2018 , 11, 2771	3.1	25
49	Travelers decision making using online review in social network sites: A case on TripAdvisor. <i>Journal of Computational Science</i> , 2018 , 28, 168-179	3.4	52
48	The moderating effect of hospital size on inter and intra-organizational factors of Hospital Information System adoption. <i>Technological Forecasting and Social Change</i> , 2018 , 134, 124-149	9.5	19
47	Cloud computing adoption model for e-government implementation. <i>Information Development</i> , 2017 , 33, 303-323	1.6	31
46	A knowledge-based system for breast cancer classification using fuzzy logic method. <i>Telematics and Informatics</i> , 2017 , 34, 133-144	8.1	125
45	A soft computing method for the prediction of energy performance of residential buildings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017 , 109, 268-280	4.6	27

44	A recommender system for tourism industry using cluster ensemble and prediction machine learning techniques. <i>Computers and Industrial Engineering</i> , 2017 , 109, 357-368	6.4	72
43	Forecasting social CRM adoption in SMEs: A combined SEM-neural network method. <i>Computers in Human Behavior</i> , 2017 , 75, 560-578	7.7	95
42	An analytical method for diseases prediction using machine learning techniques. <i>Computers and Chemical Engineering</i> , 2017 , 106, 212-223	4	86
41	A systematic review and meta-Analysis of SWARA and WASPAS methods: Theory and applications with recent fuzzy developments. <i>Applied Soft Computing Journal</i> , 2017 , 57, 265-292	7.5	139
40	Recent Fuzzy Generalisations of Rough Sets Theory: A Systematic Review and Methodological Critique of the Literature. <i>Complexity</i> , 2017 , 2017, 1-33	1.6	15
39	An evaluation model for the implementation of hospital information system in public hospitals using multi-criteria-decision-making (MCDM) approaches. <i>International Journal of Engineering and Technology(UAE)</i> , 2017 , 7, 1	0.8	7
38	Integrated feedback control reporting for improving quality of technical service reporting in IT service management. <i>Telematics and Informatics</i> , 2017 , 34, 1736-1771	8.1	1
37	Performance improvement for recommender systems using ontology. <i>Telematics and Informatics</i> , 2017 , 34, 1772-1792	8.1	15
36	Firm performance through social Customer Relationship Management: Evidence from small and medium enterprises 2017 ,		7
35	Hospital Information System adoption: Expert perspectives on an adoption framework for Malaysian public hospitals. <i>Computers in Human Behavior</i> , 2017 , 67, 161-189	7.7	71
34	Modelling upper echelons behavioural drivers of Green IT/IS adoption using an integrated Interpretive Structural Modelling Analytic Network Process approach. <i>Telematics and Informatics</i> , 2017 , 34, 583-603	8.1	28
33	Customers perspectives on adoption of cloud computing in banking sector. <i>Information Technology and Management</i> , 2017 , 18, 305-330	1.8	42
32	Accuracy Improvement for Diabetes Disease Classification: A Case on a Public Medical Dataset. <i>Fuzzy Information and Engineering</i> , 2017 , 9, 345-357	0.5	34
31	Application of Structural Equation Modeling (SEM) to Solve Environmental Sustainability Problems: A Comprehensive Review and Meta-Analysis. <i>Sustainability</i> , 2017 , 9, 1814	3.6	31
30	Managing Information Uncertainty and Complexity in Decision-Making. <i>Complexity</i> , 2017 , 2017, 1-3	1.6	6
29	Determining the importance of Hospital Information System adoption factors using Fuzzy Analytic Network Process (ANP). <i>Technological Forecasting and Social Change</i> , 2016 , 111, 244-264	9.5	85
28	Accuracy Improvement for Predicting Parkinson's Disease Progression. <i>Scientific Reports</i> , 2016 , 6, 341814.9	14.9	68
27	ANFIS modeling for bacteria detection based on GNR biosensor. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1728-1736	3.5	4

26	Features Influencing Researchers Selection of Reference Management Software. <i>Journal of Information and Knowledge Management</i> , 2016 , 15, 1650032	0.9	4
25	Multi-criteria decision making approach in E-learning: A systematic review and classification. <i>Applied Soft Computing Journal</i> , 2016 , 45, 108-128	7.5	65
24	Recommendation quality, transparency, and website quality for trust-building in recommendation agents. <i>Electronic Commerce Research and Applications</i> , 2016 , 19, 70-84	4.6	51
23	ISVR modeling of an interferon gamma (IFN- γ) biosensor based on graphene. <i>Analytical Methods</i> , 2016 , 8, 7217-7224	3.2	6
22	A knowledge-based expert system for assessing the performance level of green buildings. <i>Knowledge-Based Systems</i> , 2015 , 86, 194-209	7.3	57
21	Role of OpenEHR as an open source solution for the regional modelling of patient data in obstetrics. <i>Journal of Biomedical Informatics</i> , 2015 , 55, 174-87	10.2	28
20	A multi-criteria recommendation system using dimensionality reduction and Neuro-Fuzzy techniques. <i>Soft Computing</i> , 2015 , 19, 3173-3207	3.5	24
19	A multi-criteria collaborative filtering recommender system for the tourism domain using Expectation Maximization (EM) and PCA \wedge ANFIS. <i>Electronic Commerce Research and Applications</i> , 2015 , 14, 542-562	4.6	120
18	Land suitability procedure for sustainable citrus planning using the application of the analytical network process approach and GIS. <i>Computers and Electronics in Agriculture</i> , 2015 , 117, 114-126	6.5	70
17	Detection of bilayer lipid with graphene nanoribbon. <i>Electronic Materials Letters</i> , 2015 , 11, 806-814	2.9	1
16	MCPCM: A DEMATEL-ANP-Based Multi-criteria Decision-Making Approach to Evaluate the Critical Success Factors in Construction Projects. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 343-361		27
15	Clustering- and regression-based multi-criteria collaborative filtering with incremental updates. <i>Information Sciences</i> , 2015 , 293, 235-250	7.7	66
14	An Improved Method for Predicting and Ranking Suppliers Efficiency Using Data Envelopment Analysis. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 73,	1.2	2
13	Psychological Factors Influencing the Managers' Intention to Adopt Green IS. <i>International Journal of Strategic Decision Sciences</i> , 2015 , 6, 28-56	0.3	16
12	The role of Security, Design and Content factors on customer trust in mobile commerce. <i>Journal of Retailing and Consumer Services</i> , 2015 , 26, 57-69	8.5	75
11	Organizational decision to adopt hospital information system: an empirical investigation in the case of Malaysian public hospitals. <i>International Journal of Medical Informatics</i> , 2015 , 84, 166-88	5.3	85
10	A Model for Detecting Customer Level Intentions to Purchase in B2C Websites Using TOPSIS and Fuzzy Logic Rule-Based System. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 1907-1922		23
9	Hybrid recommendation approaches for multi-criteria collaborative filtering. <i>Expert Systems With Applications</i> , 2014 , 41, 3879-3900	7.8	120

8	Multi-criteria collaborative filtering with high accuracy using higher order singular value decomposition and Neuro-Fuzzy system. <i>Knowledge-Based Systems</i> , 2014 , 60, 82-101	7.3	57
7	Collaborative Filtering Recommender Systems. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013 , 5, 4168-4182	0.2	26
6	Approximate Analytic Solution for the KdV and Burger Equations with the Homotopy Analysis Method. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-13	1.1	4
5	An Application Expert System for Evaluating Effective Factors on Trust in B2C Websites Trust, Security, ANFIS, Fuzzy Logic, Rule Based Systems, Electronic Commerce. <i>Engineering</i> , 2011 , 03, 1063-1079	1.4	13
4	A Literature Review On Purchase Intention Factors In E-Commerce		2
3	Evaluation of Factors to Respond to the COVID-19 Pandemic Using DEMATEL and Fuzzy Rule-Based Techniques. <i>International Journal of Fuzzy Systems</i> , 1	3.6	2
2	What Factors Influence Students Satisfaction in Massive Open Online Courses? Findings from User-Generated Content Using Educational Data Mining. <i>Education and Information Technologies</i> , 1	3.6	1
1	Customer satisfaction analysis and preference prediction in historic sites through electronic word of mouth. <i>Neural Computing and Applications</i> , 1	4.8	0