

Os Albahri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6149379/publications.pdf>

Version: 2024-02-01

78
papers

4,889
citations

57758
44
h-index

102487
66
g-index

78
all docs

78
docs citations

78
times ranked

2230
citing authors

#	ARTICLE	IF	CITATIONS
1	Sentiment analysis and its applications in fighting COVID-19 and infectious diseases: A systematic review. Expert Systems With Applications, 2021, 167, 114155.	7.6	209
2	Role of biological Data Mining and Machine Learning Techniques in Detecting and Diagnosing the Novel Coronavirus (COVID-19): A Systematic Review. Journal of Medical Systems, 2020, 44, 122.	3.6	192
3	Systematic review of artificial intelligence techniques in the detection and classification of COVID-19 medical images in terms of evaluation and benchmarking: Taxonomy analysis, challenges, future solutions and methodological aspects. Journal of Infection and Public Health, 2020, 13, 1381-1396.	4.1	182
4	Telehealth utilization during the Covid-19 pandemic: A systematic review. Computers in Biology and Medicine, 2021, 138, 104878.	7.0	181
5	Smart Home-based IoT for Real-time and Secure Remote Health Monitoring of Triage and Priority System using Body Sensors: Multi-driven Systematic Review. Journal of Medical Systems, 2019, 43, 42.	3.6	154
6	IoT-based telemedicine for disease prevention and health promotion: State-of-the-Art. Journal of Network and Computer Applications, 2021, 173, 102873.	9.1	141
7	Systematic Review of Real-time Remote Health Monitoring System in Triage and Priority-Based Sensor Technology: Taxonomy, Open Challenges, Motivation and Recommendations. Journal of Medical Systems, 2018, 42, 80.	3.6	133
8	How smart is e-tourism? A systematic review of smart tourism recommendation system applying data management. Computer Science Review, 2021, 39, 100337.	15.3	106
9	Fault-Tolerant mHealth Framework in the Context of IoT-Based Real-Time Wearable Health Data Sensors. IEEE Access, 2019, 7, 50052-50080.	4.2	103
10	A survey on communication components for IoT-based technologies in smart homes. Telecommunication Systems, 2018, 69, 1-25.	2.5	102
11	Real-Time Remote-Health Monitoring Systems: a Review on Patients Prioritisation for Multiple-Chronic Diseases, Taxonomy Analysis, Concerns and Solution Procedure. Journal of Medical Systems, 2019, 43, 223.	3.6	101
12	Real-Time Remote Health-Monitoring Systems in a Medical Centre: A Review of the Provision of Healthcare Services-Based Body Sensor Information, Open Challenges and Methodological Aspects. Journal of Medical Systems, 2018, 42, 164.	3.6	92
13	Conceptual framework for the security of mobile health applications on Android platform. Telematics and Informatics, 2018, 35, 1335-1354.	5.8	91
14	Systematic Review of an Automated Multiclass Detection and Classification System for Acute Leukaemia in Terms of Evaluation and Benchmarking, Open Challenges, Issues and Methodological Aspects. Journal of Medical Systems, 2018, 42, 204.	3.6	91
15	Based on Real Time Remote Health Monitoring Systems: A New Approach for Prioritization of Large Scales Data of Patients with Chronic Heart Diseases Using Body Sensors and Communication Technology. Journal of Medical Systems, 2018, 42, 69.	3.6	90
16	Electronic medical record systems: decision support examination framework for individual, security and privacy concerns using multi-perspective analysis. Health and Technology, 2020, 10, 795-822.	3.6	88
17	Blockchain authentication of network applications: Taxonomy, classification, capabilities, open challenges, motivations, recommendations and future directions. Computer Standards and Interfaces, 2019, 64, 41-60.	5.4	87
18	Real-Time Fault-Tolerant mHealth System: Comprehensive Review of Healthcare Services, Opens Issues, Challenges and Methodological Aspects. Journal of Medical Systems, 2018, 42, 137.	3.6	84

#	ARTICLE	IF	CITATIONS
19	Helping doctors hasten COVID-19 treatment: Towards a rescue framework for the transfusion of best convalescent plasma to the most critical patients based on biological requirements via ml and novel MCDM methods. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105617.	4.7	83
20	Detection-based prioritisation: Framework of multi-laboratory characteristics for asymptomatic COVID-19 carriers based on integrated Entropyâ€“TOPSIS methods. <i>Artificial Intelligence in Medicine</i> , 2021, 111, 101983.	6.5	82
21	Multi-Biological Laboratory Examination Framework for the Prioritization of Patients with COVID-19 Based on Integrated AHP and Group VIKOR Methods. <i>International Journal of Information Technology and Decision Making</i> , 2020, 19, 1247-1269.	3.9	81
22	Based Multiple Heterogeneous Wearable Sensors: A Smart Real-Time Health Monitoring Structured for Hospitals Distributor. <i>IEEE Access</i> , 2019, 7, 37269-37323.	4.2	80
23	A review on smartphone skin cancer diagnosis apps in evaluation and benchmarking: coherent taxonomy, open issues and recommendation pathway solution. <i>Health and Technology</i> , 2018, 8, 223-238.	3.6	74
24	Medical emergency triage and patient prioritisation in a telemedicine environment: a systematic review. <i>Health and Technology</i> , 2019, 9, 679-700.	3.6	70
25	Multiclass Benchmarking Framework for Automated Acute Leukaemia Detection and Classification Based on BWM and Group-VIKOR. <i>Journal of Medical Systems</i> , 2019, 43, 212.	3.6	70
26	Determining Importance of Many-Objective Optimisation Competitive Algorithms Evaluation Criteria Based on a Novel Fuzzy-Weighted Zero-Inconsistency Method. <i>International Journal of Information Technology and Decision Making</i> , 2022, 21, 195-241.	3.9	66
27	Interval type 2 trapezoidalâ€“fuzzy weighted with zero inconsistency combined with VIKOR for evaluating smart eâ€“tourism applications. <i>International Journal of Intelligent Systems</i> , 2021, 36, 4723-4774.	5.7	66
28	Assessment and Ranking Framework for the English Skills of Pre-Service Teachers Based on Fuzzy Delphi and TOPSIS Methods. <i>IEEE Access</i> , 2019, 7, 126201-126223.	4.2	65
29	A Novel Multi-Perspective Benchmarking Framework for Selecting Image Dehazing Intelligent Algorithms Based on BWM and Group VIKOR Techniques. <i>International Journal of Information Technology and Decision Making</i> , 2020, 19, 909-957.	3.9	65
30	Mobile Patient Monitoring Systems from a Benchmarking Aspect: Challenges, Open Issues and Recommended Solutions. <i>Journal of Medical Systems</i> , 2019, 43, 207.	3.6	64
31	Mobile-Based Patient Monitoring Systems: A Prioritisation Framework Using Multi-Criteria Decision-Making Techniques. <i>Journal of Medical Systems</i> , 2019, 43, 219.	3.6	64
32	Multidimensional benchmarking of the active queue management methods of network congestion control based on extension of fuzzy decision by opinion score method. <i>International Journal of Intelligent Systems</i> , 2021, 36, 796-831.	5.7	61
33	Novel Multi Security and Privacy Benchmarking Framework for Blockchain-Based IoT Healthcare Industry 4.0 Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 6415-6423.	11.3	61
34	Multi-agent learning neural network and Bayesian model for real-time IoT skin detectors: a new evaluation and benchmarking methodology. <i>Neural Computing and Applications</i> , 2020, 32, 8315-8366.	5.6	60
35	Comprehensive review and analysis of anti-malware apps for smartphones. <i>Telecommunication Systems</i> , 2019, 72, 285-337.	2.5	57
36	Based blockchain-PSO-AES techniques in finger vein biometrics: A novel verification secure framework for patient authentication. <i>Computer Standards and Interfaces</i> , 2019, 66, 103343.	5.4	56

#	ARTICLE	IF	CITATIONS
37	Novel technique for reorganisation of opinion order to interval levels for solving several instances representing prioritisation in patients with multiple chronic diseases. Computer Methods and Programs in Biomedicine, 2020, 185, 105151.	4.7	56
38	Rise of multiattribute decision-making in combating COVID-19: A systematic review of the state-of-the-art literature. International Journal of Intelligent Systems, 2022, 37, 3514-3624.	5.7	55
39	Novel dynamic fuzzy Decision-Making framework for COVID-19 vaccine dose recipients. Journal of Advanced Research, 2022, 37, 147-168.	9.5	52
40	Integration of fuzzy-weighted zero-inconsistency and fuzzy decision by opinion score methods under a q-rung orthopair environment: A distribution case study of COVID-19 vaccine doses. Computer Standards and Interfaces, 2022, 80, 103572.	5.4	52
41	Multi-Criteria Evaluation and Benchmarking for Active Queue Management Methods: Open Issues, Challenges and Recommended Pathway Solutions. International Journal of Information Technology and Decision Making, 2019, 18, 1187-1242.	3.9	51
42	A new standardisation and selection framework for real-time image dehazing algorithms from multi-foggy scenes based on fuzzy Delphi and hybrid multi-criteria decision analysis methods. Neural Computing and Applications, 2021, 33, 1029-1054.	5.6	51
43	Based on T-spherical fuzzy environment: A combination of FWZIC and FDOSM for prioritising COVID-19 vaccine dose recipients. Journal of Infection and Public Health, 2021, 14, 1513-1559.	4.1	51
44	A Uniform Intelligent Prioritisation for Solving Diverse and Big Data Generated From Multiple Chronic Diseases Patients Based on Hybrid Decision-Making and Voting Method. IEEE Access, 2020, 8, 91521-91530.	4.2	49
45	Multi-Criteria Evaluation and Benchmarking for Young Learners' English Language Mobile Applications in Terms of LSRW Skills. IEEE Access, 2019, 7, 146620-146651.	4.2	47
46	Comprehensive Insights Into the Criteria of Student Performance in Various Educational Domains. IEEE Access, 2018, 6, 73245-73264.	4.2	46
47	Real-Time Medical Systems Based on Human Biometric Steganography: a Systematic Review. Journal of Medical Systems, 2018, 42, 245.	3.6	44
48	Real-Time Remote Health Monitoring Systems Using Body Sensor Information and Finger Vein Biometric Verification: A Multi-Layer Systematic Review. Journal of Medical Systems, 2018, 42, 238.	3.6	43
49	Hybrid artificial neural network and structural equation modelling techniques: a survey. Complex & Intelligent Systems, 2022, 8, 1781-1801.	6.5	41
50	Based on the multi-assessment model: Towards a new context of combining the artificial neural network and structural equation modelling: A review. Chaos, Solitons and Fractals, 2021, 153, 111445.	5.1	41
51	Convalescent-plasma-transfusion intelligent framework for rescuing COVID-19 patients across centralised/decentralised telemedicine hospitals based on AHP-group TOPSIS and matching component. Applied Intelligence, 2021, 51, 2956-2987.	5.3	40
52	MOGSABAT: a metaheuristic hybrid algorithm for solving multi-objective optimisation problems. Neural Computing and Applications, 2020, 32, 3101-3115.	5.6	37
53	Based Medical Systems for Patients' Authentication: Towards a New Verification Secure Framework Using CIA Standard. Journal of Medical Systems, 2019, 43, 192.	3.6	36
54	Finger Vein Biometrics: Taxonomy Analysis, Open Challenges, Future Directions, and Recommended Solution for Decentralised Network Architectures. IEEE Access, 2020, 8, 9821-9845.	4.2	36

#	ARTICLE	IF	CITATIONS
55	Novel Triplex Procedure for Ranking the Ability of Software Engineering Students Based on Two levels of AHP and Group TOPSIS Techniques. International Journal of Information Technology and Decision Making, 2021, 20, 67-135.	3.9	35
56	Benchmarking of AQM methods of network congestion control based on extension of interval type-2 trapezoidal fuzzy decision by opinion score method. Telecommunication Systems, 2021, 77, 493-522.	2.5	33
57	Machine learning-based imputation soft computing approach for large missing scale and non-reference data imputation. Chaos, Solitons and Fractals, 2021, 151, 111236.	5.1	33
58	Multi-criteria decision-making for coronavirus disease 2019 applications: a theoretical analysis review. Artificial Intelligence Review, 2022, 55, 4979-5062.	15.7	33
59	Multi-perspectives systematic review on the applications of sentiment analysis for vaccine hesitancy. Computers in Biology and Medicine, 2021, 139, 104957.	7.0	32
60	Development of IoT-based mhealth framework for various cases of heart disease patients. Health and Technology, 2021, 11, 1013-1033.	3.6	31
61	PSOâ€“Blockchain-based image steganography: towards a new method to secure updating and sharing COVID-19 data in decentralised hospitals intelligence architecture. Multimedia Tools and Applications, 2021, 80, 14137-14161.	3.9	31
62	New Method of Image Steganography Based on Particle Swarm Optimization Algorithm in Spatial Domain for High Embedding Capacity. IEEE Access, 2019, 7, 168994-169010.	4.2	30
63	mHealth Authentication Approach Based 3D Touchscreen and Microphone Sensors for Real-Time Remote Healthcare Monitoring System: Comprehensive Review, Open Issues and Methodological Aspects. Computer Science Review, 2020, 38, 100300.	15.3	30
64	New mHealth hospital selection framework supporting decentralised telemedicine architecture for outpatient cardiovascular disease-based integrated techniques: Haversine-GPS and AHP-VIKOR. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	28
65	Extension of interval-valued Pythagorean FDOSM for evaluating and benchmarking real-time SLRSs based on multidimensional criteria of hand gesture recognition and sensor glove perspectives. Applied Soft Computing Journal, 2022, 116, 108284.	7.2	27
66	Real-time-based E-health systems: design and implementation of a lightweight key management protocol for securing sensitive information of patients. Health and Technology, 2019, 9, 93-111.	3.6	26
67	A systematic review into the assessment of medical apps: motivations, challenges, recommendations and methodological aspect. Health and Technology, 2020, 10, 1045-1061.	3.6	26
68	A pattern recognition model for static gestures in malaysian sign language based on machine learning techniques. Computers and Electrical Engineering, 2021, 95, 107383.	4.8	25
69	Based on neutrosophic fuzzy environment: a new development of FWZIC and FDOSM for benchmarking smart e-tourism applications. Complex & Intelligent Systems, 2022, 8, 3479-3503.	6.5	25
70	Multidimensional Benchmarking Framework for AQMs of Network Congestion Control Based on AHP and Group-TOPSIS. International Journal of Information Technology and Decision Making, 2021, 20, 1409-1446.	3.9	23
71	Real-time sign language framework based on wearable device: analysis of MSL, DataGlove, and gesture recognition. Soft Computing, 2021, 25, 11101-11122.	3.6	23
72	A new extension of FDOSM based on Pythagorean fuzzy environment for evaluating and benchmarking sign language recognition systems. Neural Computing and Applications, 2022, 34, 4937-4955.	5.6	23

#	ARTICLE	IF	CITATIONS
73	Dempsterâ€™Shafer theory for classification and hybridised models of multi-criteria decision analysis for prioritisation: a telemedicine framework for patients with heart diseases. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4333-4367.	4.9	22
74	New Extension of Fuzzy-Weighted Zero-Inconsistency and Fuzzy Decision by Opinion Score Method Based on Cubic Pythagorean Fuzzy Environment: A Benchmarking Case Study of Sign Language Recognition Systems. International Journal of Fuzzy Systems, 2022, 24, 1909-1926.	4.0	22
75	Novel Roadside Unit Positioning Framework in the Context of the Vehicle-to-Infrastructure Communication System Based on AHPâ€™ Entropy for Weighting and Bordaâ€™ VIKOR for Uniform Ranking. International Journal of Information Technology and Decision Making, 2022, 21, 1233-1266.	3.9	21
76	Rescuing emergency cases of COVID-19 patients: An intelligent real-time MSC transfusion framework based on multicriteria decision-making methods. Applied Intelligence, 2022, 52, 9676-9700.	5.3	18
77	An approach to pedestrian walking behaviour classification in wireless communication and network failure contexts. Complex & Intelligent Systems, 2022, 8, 909-931.	6.5	7
78	Robotics Utilization in Automatic Vision-Based Assessment Systems From Artificial Intelligence Perspective: A Systematic Review. IEEE Access, 2022, 10, 77537-77570.	4.2	5