

Muhammad Farhan

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

942
citations

516710

16
h-index

526287

27
g-index

67
all docs

67
docs citations

67
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart methodology for safe life on roads with active drivers based on real-time risk and behavioral monitoring. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 15361-15373.	4.9	9
2	Development and performance evaluation of small size household portable biogas plant for domestic use. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3107-3119.	4.6	12
3	Design and analysis of liquid cooling plates for different flow channel configurations. <i>Thermal Science</i> , 2022, 26, 1463-1475.	1.1	2
4	The CFD methodology for simulating pumping loss from displacer and piston seals of free piston Stirling engine. <i>Thermal Science</i> , 2022, 26, 13-23.	1.1	3
5	Mitigating the Zero Biased Steering Angles in Self-driving Simulator Datasets. , 2022, , .		1
6	A smart analysis of driver fatigue and drowsiness detection using convolutional neural networks. <i>Multimedia Tools and Applications</i> , 2022, 81, 26969-26986.	3.9	6
7	Numerical investigation of particles characteristics on cyclone performance for sustainable environment. <i>Particulate Science and Technology</i> , 2021, 39, 495-503.	2.1	6
8	Software plagiarism detection in multiprogramming languages using machine learning approach. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e5000.	2.2	16
9	Retail level Blockchain transformation for product supply chain using truffle development platform. <i>Cluster Computing</i> , 2021, 24, 1-16.	5.0	39
10	Structural and magnetic evaluations of rare-earths (Tb, Pr, Ce, Gd, Y)-doped spinel ferrites for high frequency and switching applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7692-7703.	2.2	21
11	Vehicle Crash Prediction using Vision. , 2021, , .		3
12	Human Activity Recognition Through Ensemble Learning of Multiple Convolutional Neural Networks. , 2021, , .		11
13	Monitoring Land Use And Land Cover Changes Using Geospatial Techniques, A Case Study Of Fateh Jang, Attock, Pakistan. <i>Geography, Environment, Sustainability</i> , 2021, 14, 41-52.	1.3	38
14	Internet of Things (IoT)-Enabled Unmanned Aerial Vehicles for the Inspection of Construction Sites: A Vision and Future Directions. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-15.	1.1	34
15	Modeling and Analysis of 3â€MW Solar Photovoltaic Plant Using PVSyst at Islamia University of Bahawalpur, Pakistan. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-14.	2.5	21
16	Physical, structural, conductive and magneto-optical properties of rare earths (Yb, Gd) doped Niâ€Zn spinel nanoferrites for data and energy storage devices. <i>Ceramics International</i> , 2021, 47, 11878-11886.	4.8	38
17	Investigation of particles deposition in a square duct using optimized roughness elements for a sustainable environment. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110490.	1.6	0
18	Efficient video transmissionâ€a critical review of various protocols and strategies. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2021, 44, 740-750.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Satellite Image Future Landscape Prediction using Conditional Adversarial Networks. , 2021, , .		1
20	An Artificial Magnetic Conductor-Backed Compact Wearable Antenna for Smart Watch IoT Applications. Electronics (Switzerland), 2021, 10, 2908.	3.1	20
21	Designing of a Hybrid Photovoltaic Structure for an Energy-Efficient Street Lightning System Using PVsyst Software. , 2021, 12, .		4
22	Plagiarism detection in studentsâ€™ programming assignments based on semantics: multimedia e-learning based smart assessment methodology. Multimedia Tools and Applications, 2020, 79, 8581-8598.	3.9	33
23	LSA Based Smart Assessment Methodology for SDN Infrastructure in IoT Environment. International Journal of Parallel Programming, 2020, 48, 162-177.	1.5	15
24	Modification of acidic and textural properties of a sulphated zirconia catalyst for efficient conversion of high-density polyethylene into liquid fuel. Environmental Science and Pollution Research, 2020, 27, 55-65.	5.3	10
25	Integration of Google Play Content and Frost Prediction Using CNN: Scalable IoT Framework for Big Data. IEEE Access, 2020, 8, 6890-6900.	4.2	12
26	Strategic planning of renewable distributed generation in radial distribution system using advanced MOPSO method. Energy Reports, 2020, 6, 2872-2886.	5.1	34
27	Development of Hepatitis Disease Detection System by Exploiting Sparsity in Linear Support Vector Machine to Improve Strength of AdaBoost Ensemble Model. Mobile Information Systems, 2020, 2020, 1-9.	0.6	16
28	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. Sustainability, 2020, 12, 5186.	3.2	81
29	Smart City Based Autonomous Water Quality Monitoring System Using WSN. Wireless Personal Communications, 2020, 115, 1805-1820.	2.7	9
30	Structure Analysis of Protein Data Bank Using Python Libraries. , 2020, , .		1
31	Effect of defocused plane on entrance and exit hole geometry of high grade steel 18CrNi8 during percussion drilling by Nd:YAG millisecond laser system. Materials Research Express, 2020, 7, 016556.	1.6	3
32	Investigation of LS-MIMO systems with channel aging effects. Physical Communication, 2020, 40, 101088.	2.1	3
33	Analysis and Selection Criteria of Lakes and Dams of Pakistan for Floating Photovoltaic Capabilities. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	15
34	Google Play Content Scraping and Knowledge Engineering using Natural Language Processing Techniques with the Analysis of User Reviews. Journal of Intelligent Systems, 2020, 30, 192-208.	1.6	15
35	An Intelligent Autonomous Robotic System for Precision Farming. , 2020, , .		1
36	A Review of Cryogenics Applications for Power and Energy. , 2020, , .		0

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37	Internet of medical things for smart D3S to enable road safety. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986488.	2.2	4
38	Empirical Evaluation of Visual Graph Analytic Techniques. , 2019, , .		0
39	Visualization and Analytics of Biological Data by Using Different Tools and Techniques. , 2019, , .		1
40	A Smart Methodology for Analyzing Secure E-Banking and E-Commerce Websites. , 2019, , .		8
41	Blockchain Transforms the Retail Level by Using a Supply chain Rules and Regulation. , 2019, , .		5
42	Data Scraping from Google Play Store and Visualization of its Content for Analytics. , 2019, , .		10
43	Artificial intelligence-based Monte-Carlo numerical simulation of aerodynamics of tire grooves using computational fluid dynamics. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2019, 33, 302-316.	1.1	9
44	A Smart Heart Beat Analytics System Using Wearable Device. , 2019, , .		4
45	Heat Transfer Enhancement in Transformers by Optimizing Fin Designs and Using Nanofluids. Arabian Journal for Science and Engineering, 2019, 44, 5733-5742.	3.0	8
46	An Intelligent and Interactive Interface to Support Symmetrical Collaborative Educational Writing among Visually Impaired and Sighted Users. Symmetry, 2019, 11, 238.	2.2	14
47	A Novel Routing Protocol Based on Congruent Gravity Value for Underwater Wireless Sensor Networks. , 2019, , .		2
48	Real-Time Simulation of IoT Based Smart Home Live Mirror using WSN. , 2019, , .		3
49	Enhancing SDN performance by enabling reasoning abilities in data traffic control. Peer-to-Peer Networking and Applications, 2019, 12, 392-404.	3.9	3
50	Multimedia based IoT-centric smart framework for eLearning paradigm. Multimedia Tools and Applications, 2019, 78, 3087-3106.	3.9	12
51	Remote access capability embedded in linked data using bi-directional transformation: Issues and simulation. Sustainable Cities and Society, 2018, 38, 662-674.	10.4	7
52	A Real-Time Data Mining Approach for Interaction Analytics Assessment: IoT Based Student Interaction Framework. International Journal of Parallel Programming, 2018, 46, 886-903.	1.5	19
53	Multimedia based qualitative assessment methodology in eLearning: student teacher engagement analysis. Multimedia Tools and Applications, 2018, 77, 4909-4923.	3.9	24
54	IoT-based students interaction framework using attention-scoring assessment in eLearning. Future Generation Computer Systems, 2018, 79, 909-919.	7.5	62

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55	Rolling Barriers: Emerging Concept to Reduce Road Accidents: An Indian Perspective. IOP Conference Series: Materials Science and Engineering, 2018, 404, 012045.	0.6	1
56	Design of an IoT based warfare car robot using sensor network connectivity. , 2018, , .		3
57	IoT based smart interaction framework for elearning. , 2018, , .		2
58	Real-time imaging-based assessment model for improving teaching performance and student experience in e-learning. Journal of Real-Time Image Processing, 2017, 13, 491-504.	3.5	14
59	Semantic interoperability for big-data in heterogeneous IoT infrastructure for healthcare. Sustainable Cities and Society, 2017, 34, 90-96.	10.4	113
60	An Interactive Assessment Framework for Visual Engagement: Statistical Analysis of a TEDx Video. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	1.3	4
61	Student Query Trend Assessment with Semantical Annotation and Artificial Intelligent Multi-Agents. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	1.3	5
62	E-Assessment and Computer-Aided Prediction Methodology for Student Admission Test Score. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	1.3	2
63	Performance optimisation of room temperature magnetic refrigerator with layered/multi-material microchannel regenerators. International Journal of Refrigeration, 2016, 68, 94-106.	3.4	23
64	Big-data: transformation from heterogeneous data to semantically-enriched simplified data. Multimedia Tools and Applications, 2016, 75, 12727-12747.	3.9	34
65	Multiagent Semantical Annotation Enhancement Model for IoT-Based Energy-Aware Data. International Journal of Distributed Sensor Networks, 2016, 12, 9103265.	2.2	8
66	An E-Assessment Methodology Based on Artificial Intelligence Techniques to Determine Students' Language Quality and Programming Assignments' Plagiarism. Intelligent Automation and Soft Computing, 0, , -1-1.	2.1	4