

# 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	Semantic interoperability for big-data in heterogeneous IoT infrastructure for healthcare. <i>Sustainable Cities and Society</i> , 2017, 34, 90-96.	10.4	113
2	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. <i>Sustainability</i> , 2020, 12, 5186.	3.2	81
3	IoT-based students interaction framework using attention-scoring assessment in eLearning. <i>Future Generation Computer Systems</i> , 2018, 79, 909-919.	7.5	62
4	Retail level Blockchain transformation for product supply chain using truffle development platform. <i>Cluster Computing</i> , 2021, 24, 1-16.	5.0	39
5	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
6	Physical, structural, conductive and magneto-optical properties of rare earths (Yb, Gd) doped Ni <sup>2+</sup> Zn spinel nanoferrites for data and energy storage devices. <i>Ceramics International</i> , 2021, 47, 11878-11886.	4.8	38
7	Big-data: transformation from heterogeneous data to semantically-enriched simplified data. <i>Multimedia Tools and Applications</i> , 2016, 75, 12727-12747.	3.9	34
8	Strategic planning of renewable distributed generation in radial distribution system using advanced MOPSO method. <i>Energy Reports</i> , 2020, 6, 2872-2886.	5.1	34
9	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
10	Plagiarism detection in students' programming assignments based on semantics: multimedia e-learning based smart assessment methodology. <i>Multimedia Tools and Applications</i> , 2020, 79, 8581-8598.	3.9	33
11	Multimedia based qualitative assessment methodology in eLearning: student teacher engagement analysis. <i>Multimedia Tools and Applications</i> , 2018, 77, 4909-4923.	3.9	24
12	Performance optimisation of room temperature magnetic refrigerator with layered/multi-material microchannel regenerators. <i>International Journal of Refrigeration</i> , 2016, 68, 94-106.	3.4	23
13	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
14	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
15	An Artificial Magnetic Conductor-Backed Compact Wearable Antenna for Smart Watch IoT Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 2908.	3.1	20
16	A Real-Time Data Mining Approach for Interaction Analytics Assessment: IoT Based Student Interaction Framework. <i>International Journal of Parallel Programming</i> , 2018, 46, 886-903.	1.5	19
17	Development of Hepatitis Disease Detection System by Exploiting Sparsity in Linear Support Vector Machine to Improve Strength of AdaBoost Ensemble Model. <i>Mobile Information Systems</i> , 2020, 2020, 1-9.	0.6	16
18	Software plagiarism detection in multiprogramming languages using machine learning approach. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e5000.	2.2	16

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19	LSA Based Smart Assessment Methodology for SDN Infrastructure in IoT Environment. International Journal of Parallel Programming, 2020, 48, 162-177.	1.5	15
20	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
21	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
22	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
23	An Intelligent and Interactive Interface to Support Symmetrical Collaborative Educational Writing among Visually Impaired and Sighted Users. Symmetry, 2019, 11, 238.	2.2	14
24	Multimedia based IoT-centric smart framework for eLearning paradigm. Multimedia Tools and Applications, 2019, 78, 3087-3106.	3.9	12
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	Development and performance evaluation of small size household portable biogas plant for domestic use. Biomass Conversion and Biorefinery, 2022, 12, 3107-3119.	4.6	12
27	Human Activity Recognition Through Ensemble Learning of Multiple Convolutional Neural Networks. , 2021, , .		11
28	Data Scraping from Google Play Store and Visualization of its Content for Analytics. , 2019, , .		10
29	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
30	Smart methodology for safe life on roads with active drivers based on real-time risk and behavioral monitoring. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15361-15373.	4.9	9
31	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
32	Smart City Based Autonomous Water Quality Monitoring System Using WSN. Wireless Personal Communications, 2020, 115, 1805-1820.	2.7	9
33	A Smart Methodology for Analyzing Secure E-Banking and E-Commerce Websites. , 2019, , .		8
34	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
35	Multiagent Semantical Annotation Enhancement Model for IoT-Based Energy-Aware Data. International Journal of Distributed Sensor Networks, 2016, 12, 9103265.	2.2	8
36	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

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37	Numerical investigation of particles characteristics on cyclone performance for sustainable environment. Particulate Science and Technology, 2021, 39, 495-503.	2.1	6
38	A smart analysis of driver fatigue and drowsiness detection using convolutional neural networks. Multimedia Tools and Applications, 2022, 81, 26969-26986.	3.9	6
39	Blockchain Transforms the Retail Level by Using a Supply chain Rules and Regulation. , 2019, , .		5
40	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
41	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
42	Internet of medical things for smart D3S to enable road safety. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986488.	2.2	4
43	A Smart Heart Beat Analytics System Using Wearable Device. , 2019, , .		4
44	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
45	Designing of a Hybrid Photovoltaic Structure for an Energy-Efficient Street Lightning System Using PVsyst Software. , 2021, 12, .		4
46	Design of an IoT based warfare car robot using sensor network connectivity. , 2018, , .		3
47	Real-Time Simulation of IoT Based Smart Home Live Mirror using WSN. , 2019, , .		3
48	Enhancing SDN performance by enabling reasoning abilities in data traffic control. Peer-to-Peer Networking and Applications, 2019, 12, 392-404.	3.9	3
49	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
50	Investigation of LS-MIMO systems with channel aging effects. Physical Communication, 2020, 40, 101088.	2.1	3
51	Vehicle Crash Prediction using Vision. , 2021, , .		3
52	The CFD methodology for simulating pumping loss from displacer and piston seals of free piston Stirling engine. Thermal Science, 2022, 26, 13-23.	1.1	3
53	IoT based smart interaction framework for elearning. , 2018, , .		2
54	A Novel Routing Protocol Based on Congruent Gravity Value for Underwater Wireless Sensor Networks. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
55	Design and analysis of liquid cooling plates for different flow channel configurations. Thermal Science, 2022, 26, 1463-1475.	1.1	2
56	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
57	Rolling Barriers: Emerging Concept to Reduce Road Accidents: An Indian Perspective. IOP Conference Series: Materials Science and Engineering, 2018, 404, 012045.	0.6	1
58	Visualization and Analytics of Biological Data by Using Different Tools and Techniques. , 2019, , .		1
59	Structure Analysis of Protein Data Bank Using Python Libraries. , 2020, , .		1
60	Efficient video transmissionâ€™a critical review of various protocols and strategies. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2021, 44, 740-750.	1.1	1
61	Satellite Image Future Landscape Prediction using Conditional Adversarial Networks. , 2021, , .		1
62	An Intelligent Autonomous Robotic System for Precision Farming. , 2020, , .		1
63	Mitigating the Zero Biased Steering Angles in Self-driving Simulator Datasets. , 2022, , .		1
64	Empirical Evaluation of Visual Graph Analytic Techniques. , 2019, , .		0
65	Investigation of particles deposition in a square duct using optimized roughness elements for a sustainable environment. Advances in Mechanical Engineering, 2021, 13, 168781402110490.	1.6	0
66	A Review of Cryogenics Applications for Power and Energy. , 2020, , .		0