

Hafiz Suliman Munawar

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,338
citations

361296

20
h-index

377752

34
g-index

44
all docs

44
docs citations

44
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressing disasters in smart cities through UAVs path planning and 5G communications: A systematic review. <i>Computer Communications</i> , 2021, 168, 114-135.	3.1	151
2	Image-Based Crack Detection Methods: A Review. <i>Infrastructures</i> , 2021, 6, 115.	1.4	99
3	Big Data and Its Applications in Smart Real Estate and the Disaster Management Life Cycle: A Systematic Analysis. <i>Big Data and Cognitive Computing</i> , 2020, 4, 4.	2.9	81
4	Predicting the energy output of hybrid PV&wind renewable energy system using feature selection technique for smart grids. <i>Energy Reports</i> , 2021, 7, 8465-8475.	2.5	62
5	Insight into the Impact of COVID-19 on Australian Transportation Sector: An Economic and Community-Based Perspective. <i>Sustainability</i> , 2021, 13, 1276.	1.6	59
6	Remote Sensing Methods for Flood Prediction: A Review. <i>Sensors</i> , 2022, 22, 960.	2.1	58
7	Disruptive technologies as a solution for disaster risk management: A review. <i>Science of the Total Environment</i> , 2022, 806, 151351.	3.9	55
8	A review on flood management technologies related to image processing and machine learning. <i>Automation in Construction</i> , 2021, 132, 103916.	4.8	54
9	UAVs path planning architecture for effective medical emergency response in future networks. <i>Physical Communication</i> , 2021, 47, 101337.	1.2	50
10	Application of Deep Learning on UAV-Based Aerial Images for Flood Detection. <i>Smart Cities</i> , 2021, 4, 1220-1243.	5.5	44
11	UAVs in Disaster Management: Application of Integrated Aerial Imagery and Convolutional Neural Network for Flood Detection. <i>Sustainability</i> , 2021, 13, 7547.	1.6	40
12	Big Data in Construction: Current Applications and Future Opportunities. <i>Big Data and Cognitive Computing</i> , 2022, 6, 18.	2.9	35
13	Localization of Sound Sources: A Systematic Review. <i>Energies</i> , 2021, 14, 3910.	1.6	34
14	Inspecting Buildings Using Drones and Computer Vision: A Machine Learning Approach to Detect Cracks and Damages. <i>Drones</i> , 2022, 6, 5.	2.7	31
15	Crack Detection in Concrete Structures Using Deep Learning. <i>Sustainability</i> , 2022, 14, 8117.	1.6	30
16	UAV Assisted Spatiotemporal Analysis and Management of Bushfires: A Case Study of the 2020 Victorian Bushfires. <i>Fire</i> , 2021, 4, 40.	1.2	26
17	Cluster Analysis and Model Comparison Using Smart Meter Data. <i>Sensors</i> , 2021, 21, 3157.	2.1	25
18	Civil Infrastructure Damage and Corrosion Detection: An Application of Machine Learning. <i>Buildings</i> , 2022, 12, 156.	1.4	24

#	ARTICLE	IF	CITATIONS
19	An Integrated Approach for Post-Disaster Flood Management Via the Use of Cutting-Edge Technologies and UAVs: A Review. <i>Sustainability</i> , 2021, 13, 7925.	1.6	23
20	Automatic Target Detection from Satellite Imagery Using Machine Learning. <i>Sensors</i> , 2022, 22, 1147.	2.1	23
21	Post-Flood Risk Management and Resilience Building Practices: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4823.	1.3	22
22	Towards Smart Healthcare: UAV-Based Optimized Path Planning for Delivering COVID-19 Self-Testing Kits Using Cutting Edge Technologies. <i>Sustainability</i> , 2021, 13, 10426.	1.6	22
23	A Gabor Filter-Based Protocol for Automated Image-Based Building Detection. <i>Buildings</i> , 2021, 11, 302.	1.4	21
24	Insights into the Mobility Pattern of Australians during COVID-19. <i>Sustainability</i> , 2021, 13, 9611.	1.6	20
25	UAV Based Spatiotemporal Analysis of the 2019â€“2020 New South Wales Bushfires. <i>Sustainability</i> , 2021, 13, 10207.	1.6	17
26	Version Management by Time Based Approach in Modern Era. <i>International Journal of Education and Management Engineering</i> , 2017, 7, 13-20.	0.8	17
27	Using Adaptive Sensors for Optimised Target Coverage in Wireless Sensor Networks. <i>Sensors</i> , 2022, 22, 1083.	2.1	17
28	A prototype of an energy-efficient MAGLEV train: A step towards cleaner train transport. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100217.	2.1	16
29	An Overview of Reconfigurable Antennas for Wireless Body Area Networks and Possible Future Prospects. <i>International Journal of Wireless and Microwave Technologies</i> , 2020, 10, 1-8.	0.8	16
30	Reconfigurable Origami Antennas: A Review of the Existing Technology and its Future Prospects. <i>International Journal of Wireless and Microwave Technologies</i> , 2020, 10, 34-38.	0.8	16
31	Revolutionizing Telemedicine by Instilling H.265. <i>International Journal of Image Graphics and Signal Processing</i> , 2017, 9, 20-27.	0.8	14
32	Disaster Region Coverage Using Drones: Maximum Area Coverage and Minimum Resource Utilisation. <i>Drones</i> , 2022, 6, 96.	2.7	14
33	Sound Localization for Ad-Hoc Microphone Arrays. <i>Energies</i> , 2021, 14, 3446.	1.6	13
34	Effects of COVID-19 on the Australian Economy: Insights into the Mobility and Unemployment Rates in Education and Tourism Sectors. <i>Sustainability</i> , 2021, 13, 11300.	1.6	13
35	Cloud- and Fog-Integrated Smart Grid Model for Efficient Resource Utilisation. <i>Sensors</i> , 2021, 21, 7846.	2.1	12
36	An AI/ML-Based Strategy for Disaster Response and Evacuation of Victims in Aged Care Facilities in the Hawkesbury-Nepean Valley: A Perspective. <i>Buildings</i> , 2022, 12, 80.	1.4	11

#	ARTICLE	IF	CITATIONS
37	Applications of Leaky-wave Antennas: A Review. International Journal of Wireless and Microwave Technologies, 2020, 10, 56-62.	0.8	10
38	Mining Multispectral Aerial Images for Automatic Detection of Strategic Bridge Locations for Disaster Relief Missions. Lecture Notes in Computer Science, 2019, , 189-200.	1.0	10
39	Swarm intelligence based localization in wireless sensor networks. , 2021, , .		9
40	Big Data Management in Drug-Drug Interaction: A Modern Deep Learning Approach for Smart Healthcare. Big Data and Cognitive Computing, 2022, 6, 30.	2.9	7
41	Promoting Customer Loyalty and Satisfaction in Financial Institutions through Technology Integration: The Roles of Service Quality, Awareness, and Perceptions. Sustainability, 2021, 13, 12951.	1.6	6
42	Impact of Political, Social Safety, and Legal Risks and Host Country Attitude towards Foreigners on Project Performance of China Pakistan Economic Corridor (CPEC). Buildings, 2022, 12, 760.	1.4	5