Hafiz Suliman Munawar

List of Publications by Year
in descending order

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	Disruptive technologies as a solution for disaster risk management: A review. Science of the Total Environment, 2022, 806, 151351.	3.9	55
2	Remote Sensing Methods for Flood Prediction: A Review. Sensors, 2022, 22, 960.	2.1	58
3	An AI/ML-Based Strategy for Disaster Response and Evacuation of Victims in Aged Care Facilities in the Hawkesbury-Nepean Valley: A Perspective. Buildings, 2022, 12, 80.	1.4	11
4	Using Adaptive Sensors for Optimised Target Coverage in Wireless Sensor Networks. Sensors, 2022, 22, 1083.	2.1	17
5	Civil Infrastructure Damage and Corrosion Detection: An Application of Machine Learning. Buildings, 2022, 12, 156.	1.4	24
6	Big Data in Construction: Current Applications and Future Opportunities. Big Data and Cognitive Computing, 2022, 6, 18.	2.9	35
7	Automatic Target Detection from Satellite Imagery Using Machine Learning. Sensors, 2022, 22, 1147.	2.1	23
8	Inspecting Buildings Using Drones and Computer Vision: A Machine Learning Approach to Detect Cracks and Damages. Drones, 2022, 6, 5.	2.7	31
9	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
10	Disaster Region Coverage Using Drones: Maximum Area Coverage and Minimum Resource Utilisation. Drones, 2022, 6, 96.	2.7	14
11	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
12	Crack Detection in Concrete Structures Using Deep Learning. Sustainability, 2022, 14, 8117.	1.6	30
13	Insight into the Impact of COVID-19 on Australian Transportation Sector: An Economic and Community-Based Perspective. Sustainability, 2021, 13, 1276.	1.6	59
14	Predicting the energy output of hybrid PV–wind renewable energy system using feature selection technique for smart grids. Energy Reports, 2021, 7, 8465-8475.	2.5	62
15	Addressing disasters in smart cities through UAVs path planning and 5G communications: A systematic review. Computer Communications, 2021, 168, 114-135.	3.1	151
16	Swarm intelligence based localization in wireless sensor networks. , 2021, , .		9
17	Cluster Analysis and Model Comparison Using Smart Meter Data. Sensors, 2021, 21, 3157.	2.1	25
18	Post-Flood Risk Management and Resilience Building Practices: A Case Study. Applied Sciences (Switzerland), 2021, 11, 4823.	1.3	22

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19	Localization of Sound Sources: A Systematic Review. Energies, 2021, 14, 3910.	1.6	34
20	Sound Localization for Ad-Hoc Microphone Arrays. Energies, 2021, 14, 3446.	1.6	13
21	UAVs in Disaster Management: Application of Integrated Aerial Imagery and Convolutional Neural Network for Flood Detection. Sustainability, 2021, 13, 7547.	1.6	40
22	UAV Assisted Spatiotemporal Analysis and Management of Bushfires: A Case Study of the 2020 Victorian Bushfires. Fire, 2021, 4, 40.	1.2	26
23	An Integrated Approach for Post-Disaster Flood Management Via the Use of Cutting-Edge Technologies and UAVs: A Review. Sustainability, 2021, 13, 7925.	1.6	23
24	A Gabor Filter-Based Protocol for Automated Image-Based Building Detection. Buildings, 2021, 11, 302.	1.4	21
25	UAVs path planning architecture for effective medical emergency response in future networks. Physical Communication, 2021, 47, 101337.	1.2	50
26	Image-Based Crack Detection Methods: A Review. Infrastructures, 2021, 6, 115.	1.4	99
27	Insights into the Mobility Pattern of Australians during COVID-19. Sustainability, 2021, 13, 9611.	1.6	20
28	Application of Deep Learning on UAV-Based Aerial Images for Flood Detection. Smart Cities, 2021, 4, 1220-1243.	5.5	44
29	UAV Based Spatiotemporal Analysis of the 2019–2020 New South Wales Bushfires. Sustainability, 2021, 13, 10207.	1.6	17
30	Towards Smart Healthcare: UAV-Based Optimized Path Planning for Delivering COVID-19 Self-Testing Kits Using Cutting Edge Technologies. Sustainability, 2021, 13, 10426.	1.6	22
31	A prototype of an energy-efficient MAGLEV train: A step towards cleaner train transport. Cleaner Engineering and Technology, 2021, 4, 100217.	2.1	16
32	A review on flood management technologies related to image processing and machine learning. Automation in Construction, 2021, 132, 103916.	4.8	54
33	Effects of COVID-19 on the Australian Economy: Insights into the Mobility and Unemployment Rates in Education and Tourism Sectors. Sustainability, 2021, 13, 11300.	1.6	13
34	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
35	Cloud- and Fog-Integrated Smart Grid Model for Efficient Resource Utilisation. Sensors, 2021, 21, 7846.	2.1	12
36	Big Data and Its Applications in Smart Real Estate and the Disaster Management Life Cycle: A Systematic Analysis. Big Data and Cognitive Computing, 2020, 4, 4.	2.9	81

#	Article	IF	Citations
37	An Overview of Reconfigurable Antennas for Wireless Body Area Networks and Possible Future Prospects. International Journal of Wireless and Microwave Technologies, 2020, 10, 1-8.	0.8	16
38	Applications of Leaky-wave Antennas: A Review. International Journal of Wireless and Microwave Technologies, 2020, 10, 56-62.	0.8	10
39	Reconfigurable Origami Antennas: A Review of the Existing Technology and its Future Prospects. International Journal of Wireless and Microwave Technologies, 2020, 10, 34-38.	0.8	16
40	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
41	Version Management by Time Based Approach in Modern Era. International Journal of Education and Management Engineering, 2017, 7, 13-20.	0.8	17
42	Revolutionizing Telemedicine by Instilling H.265. International Journal of Image Graphics and Signal Processing, 2017, 9, 20-27.	0.8	14