Tarig A Ali

List of Publications by Year
in descending order

41 papers	461 citations	840776 11 h-index	794594 19 g-index
42 all docs	42 docs citations	42 times ranked	441 citing authors

#	Article	IF	Citations
1	Evaluation of microplastics in beach sediments along the coast of Dubai, UAE. Marine Pollution Bulletin, 2020, 150, 110739.	5.0	67
2	Land Use/Land Cover Changes Impact on Groundwater Level and Quality in the Northern Part of the United Arab Emirates. Remote Sensing, 2020, 12, 1715.	4.0	38
3	Spatiotemporal Mapping and Monitoring of Mangrove Forests Changes From 1990 to 2019 in the Northern Emirates, UAE Using Random Forest, Kernel Logistic Regression and Naive Bayes Tree Models. Frontiers in Environmental Science, 2020, 8, .	3.3	38
4	Flash Flood Susceptibility Modeling and Magnitude Index Using Machine Learning and Geohydrological Models: A Modified Hybrid Approach. Remote Sensing, 2020, 12, 2695.	4.0	29
5	Land subsidence and sinkholes susceptibility mapping and analysis using random forest and frequency ratio models in Al Ain, UAE. Geocarto International, 2022, 37, 315-331.	3.5	24
6	Regional Mapping of Groundwater Potential in Ar Rub Al Khali, Arabian Peninsula Using the Classification and Regression Trees Model. Remote Sensing, 2021, 13, 2300.	4.0	20
7	A novel computational paradigm for creating a Triangular Irregular Network (TIN) from LiDAR data. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e624-e629.	1.1	16
8	Development of a Seamless Topographic / Bathymetric Digital Terrain Model for Tampa Bay, Florida. Photogrammetric Engineering and Remote Sensing, 2011, 77, 1249-1256.	0.6	16
9	Improving Resiliency of Water Supply System in Arid Regions: Integrating Centrality and Hydraulic Vulnerability. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	16
10	Communication Network for Ultrasonic Acoustic Water Leakage Detectors. IEEE Access, 2020, 8, 29954-29964.	4.2	16
11	Enhancement of SAR Speckle Denoising Using the Improved Iterative Filter. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 859-871.	4.9	15
12	Assessment of Cryosat-2 and SARAL/AltiKa altimetry for measuring inland water and coastal sea level variations: A case study on Tibetan Plateau lake and Taiwan Coast. Marine Geodesy, 2019, 42, 327-343.	2.0	13
13	GIS-based vulnerability analysis of the United States to COVID-19 occurrence. Journal of Risk Research, 2021, 24, 416-431.	2.6	13
14	Polarimetric SAR Speckle Reduction by Hybrid Iterative Filtering. IEEE Access, 2020, 8, 89603-89616.	4.2	12
15	Impacts of Water Quality on the Spatiotemporal Susceptibility of Water Distribution Systems. Clean - Soil, Air, Water, 2019, 47, 1800247.	1.1	11
16	Non-Destructive Water Leak Detection Using Multitemporal Infrared Thermography. IEEE Access, 2021, 9, 72556-72567.	4.2	11
17	Automated detection of lineaments express geological linear features of a tropical region using topographic fabric grain algorithm and the SRTM DEM. Geocarto International, 2021, 36, 76-95.	3.5	10
18	Geographic Information System-Based Seismic Risk Assessment for Dubai, UAE: A Step toward Resilience and Preparedness. Practice Periodical on Structural Design and Construction, 2022, 27, .	1.3	7

#	ARTICLE	IF	CITATIONS
19	Evaluation of the Factors Impacting the Water Pipe Leak Detection Ability of GPR, Infrared Cameras, and Spectrometers under Controlled Conditions. Applied Sciences (Switzerland), 2022, 12, 1683.	2.5	7
20	A GIS-based spatiotemporal study of the variability of water quality in the Dubai Creek, UAE. Water Quality Research Journal of Canada, 2016, 51, 219-232.	2.7	6
21	GIS-based Study on the Susceptibility of Dubai Creek (UAE) to Eutrophication. Polish Journal of Environmental Studies, 2016, 25, 2275-2282.	1.2	6
22	Span Statistics and Their Impacts on PolSAR Applications. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
23	Detection of Leaks in Water Distribution System using Non-Destructive Techniques. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012004.	0.3	5
24	Towards Monitoring of Nutrient Pollution in Coastal Lake Using Remote Sensing and Regression Analysis. Water (Switzerland), 2020, 12, 1954.	2.7	5
25	Topographically and hydrologically signatures express subsurface geological structures in an arid region: a modified integrated approach using remote sensing and GIS. Geocarto International, 2020, , 1-21.	3.5	5
26	Polarimetric SAR Image Filtering by Infinite Number of Looks Prediction Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4167-4184.	4.9	5
27	Hydrological modeling of Ar Rub Al Khali, Arabian Peninsula: a modified remote sensing approach based on the weight of hydrological evidence. Geocarto International, 2022, 37, 6251-6271.	3.5	5
28	Monitoring Changes and Soil Characterization in Mangrove Forests of the United Arab Emirates Using the Canonical Correlation Forest Model by Multitemporal of Landsat Data. Frontiers in Remote Sensing, 2022, 3, .	3.5	5
29	Building of robust multi-scale representations of LiDAR-based digital terrain model based on scale-space theory. Optics and Lasers in Engineering, 2010, 48, 316-319.	3.8	4
30	Performance analysis of multi-GNSS static and RTK techniques in estimating height differences. International Journal of Digital Earth, 2020, 13, 586-601.	3.9	4
31	Remote Thermal Water Leakage Sensor With a Laser Communication System. IEEE Access, 2020, 8, 163784-163796.	4.2	4
32	SAR Speckle Filtering Using Hybrid NonLocal Sigma Filter. , 2021, , .		4
33	Study of Water Quality in Dubai Creek Using DubaiSat-1 Multispectral Imagery. Communications in Computer and Information Science, 2013, , 200-210.	0.5	3
34	Changes in the wetland vegetation growth patterns in large lakes on the Yangtze Plain. International Journal of Remote Sensing, 2019, 40, 4290-4301.	2.9	3
35	Seismic risk quantification and GIS-based seismic risk maps for Dubai-UAE_Dataset. Data in Brief, 2021, 39, 107566.	1.0	3
36	Ammonium nitrate explosion at the main port in Beirut (Lebanon) and air pollution: an analysis of the spatiotemporal distribution of nitrogen dioxide. Euro-Mediterranean Journal for Environmental Integration, 2022, 7, 21-27.	1.3	3

#	Article	IF	Citations
37	Study the variability of water quality in a large distribution network. World Sustainable Development Outlook, 2016, , 385-394.	0.0	2
38	Municipal wastewater treatment using different coagulants. , 0, 179, 1-7.		2
39	Effects of Spatial Filtering on PolSAR Parameter Estimation. , 2022, , .		1
40	On the Use of Span Image in Polsar Speckle Filtering. , 2021, , .		0
41	Polarimetric SAR Data Adaptive Filtering. Encyclopedia of Earth Sciences Series, 2021, , 1-5.	0.1	0