Mohamed Elhag

List of Publications by Year
in descending order

		623734	552781
67	853	14	26
papers	citations	h-index	g-index
100	100	100	690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of Different Soil Salinity Mapping Using Remote Sensing Techniques in Arid Ecosystems, Saudi Arabia. Journal of Sensors, 2016, 2016, 1-8.	1.1	93
2	Assessment of Water Quality Parameters Using Temporal Remote Sensing Spectral Reflectance in Arid Environments, Saudi Arabia. Water (Switzerland), 2019, 11, 556.	2.7	71
3	Application of the Sebs Water Balance Model in Estimating Daily Evapotranspiration and Evaporative Fraction from Remote Sensing Data Over the Nile Delta. Water Resources Management, 2011, 25, 2731-2742.	3.9	66
4	Soil salinity mapping and hydrological drought indices assessment in arid environments based on remote sensing techniques. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 149-158.	1.6	42
5	Forecasting of Remotely Sensed Daily Evapotranspiration Data Over Nile Delta Region, Egypt. Water Resources Management, 2013, 27, 4115-4130.	3.9	39
6	Land use changes and its impacts on water resources in Nile Delta region using remote sensing techniques. Environment, Development and Sustainability, 2013, 15, 1189-1204.	5.0	38
7	Soil Erosion Estimation Using Remote Sensing Techniques in Wadi Yalamlam Basin, Saudi Arabia. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	36
8	Remote sensing of 10Âyears changes in the vegetation cover of the northwestern coastal land of Red Sea, Saudi Arabia. Saudi Journal of Biological Sciences, 2020, 27, 3169-3179.	3.8	35
9	Potential flood risk due to urbanization expansion in arid environments, Saudi Arabia. Natural Hazards, 2020, 104, 795-809.	3.4	27
10	A comparative study of the estimation methods for NRCS curve number of natural arid basins and the impact on flash flood predications. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	22
11	Conservational use of remote sensing techniques for a novel rainwater harvesting in arid environment. Environmental Earth Sciences, 2014, 72, 4995-5005.	2.7	21
12	Quantification of Soil Losses along the Coastal Protected Areas in Kenya. Land, 2020, 9, 137.	2.9	16
13	Stream network pollution by olive oil wastewater risk assessment in Crete, Greece. Environmental Earth Sciences, 2017, 76, 1.	2.7	15
14	Advanced remote sensing techniques in flash flood delineation in Tabuk City, Saudi Arabia. Natural Hazards, 2020, 103, 3401-3413.	3.4	15
15	Time series analysis of remotely sensed water quality parameters in arid environments, Saudi Arabia. Environment, Development and Sustainability, 2021, 23, 1392-1410.	5.0	15
16	Understanding of morphometric features for adequate water resource management in arid environments. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 293-300.	1.6	14
17	Consideration of NDVI thematic changes in density analysis and floristic composition of Wadi Yalamlam, Saudi Arabia. Geoscientific Instrumentation, Methods and Data Systems, 2018, 7, 297-306.	1.6	14
18	Consideration of Landsat-8 Spectral Band Combination in Typical Mediterranean Forest Classification in Halkidiki, Greece. Open Geosciences, 2017, 9, 468-479.	1.7	13

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19	Non-woven Textile Materials from Waste Fibers for Cleanup of Waters Polluted with Petroleum and Oil Products. Earth Systems and Environment, 2018, 2, 413-420.	6.2	13
20	Integration of remote sensing and geographic information systems for geological fault detection on the island of Crete, Greece. Geoscientific Instrumentation, Methods and Data Systems, 2019, 8, 45-54.	1.6	13
21	Conceptual assessment of energy input-output analysis and data envelopment analysis of greenhouse crops in Crete Island, Greece. Environmental Science and Pollution Research, 2019, 26, 35377-35386.	5.3	12
22	Sensitivity analysis assessment of remotely based vegetation indices to improve water resources management. Environment, Development and Sustainability, 2014, 16, 1209-1222.	5.0	11
23	Evaluation of Optical Remote Sensing Data in Burned Areas Mapping of Thasos Island, Greece. Earth Systems and Environment, 2020, 4, 813-826.	6.2	11
24	Sedimentation mapping in shallow shoreline of arid environments using active remote sensing data. Natural Hazards, 2019, 99, 879-894.	3.4	10
25	EVALUATION OF ALOE VERA L. AS PHYTOREMEDIATOR OF HEAVY METALS CONTAMINATED SOILS IN ARID ENVIRONMENTS. Applied Ecology and Environmental Research, 2018, 16, 6033-6045.	0.5	10
26	Inconsistencies of SEBS Model Output Based on the Model Inputs: Global Sensitivity Contemplations. Journal of the Indian Society of Remote Sensing, 2016, 44, 435-442.	2.4	9
27	Realization of daily evapotranspiration in arid ecosystems based on remote sensing techniques. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 141-147.	1.6	9
28	EPM for Soil Loss Estimation in Different Geomorphologic Conditions and Data Conversion by Using GIS. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012079.	0.3	9
29	Insights of remote sensing data to surmount rainfall/runoff data limitations of the downstream catchment of Pineios River, Greece. Environmental Earth Sciences, 2021, 80, 1.	2.7	9
30	Forest cover assessment using remote-sensing techniques in Crete Island, Greece. Open Geosciences, 2021, 13, 345-358.	1.7	9
31	Spatiotemporal analysis of the annual rainfall in the Kingdom of Saudi Arabia: predictions to 2030 with different confidence levels. Theoretical and Applied Climatology, 2021, 146, 1479-1499.	2.8	9
32	Mediterranean Land Use and Land Cover Classification Assessment Using High Spatial Resolution Data. IOP Conference Series: Earth and Environmental Science, 2016, 44, 042032.	0.3	8
33	Volumetric Quantification of Flash Flood Using Microwave Data on a Watershed Scale in Arid Environments, Saudi Arabia. Sustainability, 2021, 13, 4115.	3.2	8
34	CONSIDERATION OF SEASONAL VARIATIONS OF WATER RADIOMETRIC INDICES FOR THE ESTIMATION OF SOIL MOISTURE CONTENT IN ARID ENVIRONMENT IN SAUDI ARABIA. Applied Ecology and Environmental Research, 2019, 17, 285-303.	0.5	8
35	UPPER EOCENE CALCAREOUS NANNOFOSSIL BIOSTRATIGRAPHY: A NEW PRELIMINARY PRIABONIAN RECORD FROM NORTHERN SAUDI ARABIA. Applied Ecology and Environmental Research, 2020, 18, 5607-5625.	0.5	8
36	Using inconsistencies of wadi morphometric parameters to understand patterns of soil erosion. Arabian Journal of Geosciences, 2022, 15, .	1.3	7

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37	Potential Rainwater Harvesting Improvement Using Advanced Remote Sensing Applications. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	6
38	Population demography and global sensitivity analysis of <i>Avicennia marina</i> on the eastern and western coasts of Saudi Arabia. Koedoe, 2015, 57, .	0.9	6
39	Deterioration of shallow coastal environments using synthetic aperture radar data. , 0, 194, 333-342.		5
40	Consideration of geo-statistical analysis in soil pollution assessment caused by leachate breakout in the municipality of Thermi, Greece. Desalination and Water Treatment, 0, , 1-11.	1.0	4
41	Efficiency concept under stochastic consideration of water value in irrigated agricultural land in Crete, Greece. Water Science and Technology: Water Supply, 2017, 17, 1185-1192.	2.1	4
42	Quantitative Analysis of Different Environmental Factor Impacts on Land Cover in Nisos Elafonisos, Crete, Greece. International Journal of Environmental Research and Public Health, 2020, 17, 6437.	2.6	4
43	The Canadian versus the National Forest Fire Danger Rating Systems tested in Mediterranean forests fire Crete, Greece. Environment, Development and Sustainability, 2021, 23, 4973-4983.	5.0	4
44	Microwave versus Optical Remote Sensing Data in Urban Footprint Mapping of the Coastal City of Jeddah, Saudi Arabia. Journal of the Indian Society of Remote Sensing, 2021, 49, 2451-2466.	2.4	4
45	POST-FIRE FUEL AND VEGETATION DYNAMICS IN AN UNGRAZED PHRYGANIC COMMUNITY OF CRETE, GREECE. Applied Ecology and Environmental Research, 2018, 16, 3289-3303.	0.5	4
46	Calibration of the depth invariant algorithm to monitor the tidal action of Rabigh City at the Red Sea Coast, Saudi Arabia. Open Geosciences, 2020, 12, 1666-1678.	1.7	4
47	Phytoplankton Composition and Water Quality of Kamil AbduÅŸ Lagoon (Tuzla Lake), Istanbul-Turkey. Water (Switzerland), 2018, 10, 603.	2.7	3
48	Input/output inconsistencies of daily evapotranspiration conducted empirically using remote sensing data in arid environments. Open Geosciences, 2021, 13, 321-334.	1.7	3
49	Consideration of phytoplankton composition and water quality of Anamur (Dragon) Creek, Turkey. , 0, 91, 386-394.		3
50	Effect of water surface area on the remotely sensed water quality parameters of Baysh Dam Lake, Saudi Arabia. , 0, 194, 369-378.		3
51	Characterization of a Typical Mediterranean Watershed Using Remote Sensing Techniques and GIS Tools. Hydrology Current Research, 2015, 06, .	0.4	2
52	Understanding of the Geomorphological Elements in Discrimination of Typical Mediterranean Land Cover Types. IOP Conference Series: Earth and Environmental Science, 2017, 95, 042041.	0.3	2
53	ECONOMIC EVALUATION OF A PASSIVE SOLAR GREENHOUSE HEATING SYSTEM IN CRETE, GREECE. Applied Ecology and Environmental Research, 2019, 17, 4431-4446.	0.5	2
54	GEO-STATISTICAL ASSESSMENT OF GROUND WATER QUALITY IN DHAMAR BASIN, YEMEN. Applied Ecology and Environmental Research, 2020, 18, 625-644.	0.5	2

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55	Spatial assessment of landfill sites based on remote sensing and GIS techniques in Tagarades, Greece. , 0, 91, 396-401.		2
56	Understanding of photosynthetically active radiation index under soil salinity variation using remote sensing practices in arid environments. , 2018, 112, 171-178.		2
57	Consideration of seasonal variations on water radiometric indices estimation of soil moisture content in arid environment in Saudi Arabia. , 0, 176, 201-212.		2
58	Development of GIS Based Method for Risk Assessment of Olive Mill Waste Water in Crete, Greece. Global Nest Journal, 2017, 19, 82-93.	0.1	2
59	EVALUATION OF THE TRANSPIRATION CHARACTER OF JUNIPERUS MACROCARPA AS AN INVASIVE SPECIES IN WESTERN CRETE, GREECE. Applied Ecology and Environmental Research, 2018, 16, 1659-1672.	0.5	2
60	Vertical displacement assessment in temporal analysis of the transboundary islands of Tiran and Sanafir, Egypt-Saudi Arabia. Arabian Journal of Geosciences, 2022, 15, .	1.3	2
61	Olive Mill Waste Water Hazard Evaluation Reliant on GIS Approach in Chania, Greece. Procedia Earth and Planetary Science, 2015, 15, 428-434.	0.6	1
62	Consideration of hyperspectral data in intraspecific variation (spectrotaxonomy) in <i>Prosopis juliflora</i> (Sw.) DC, Saudi Arabia. Open Geosciences, 2021, 13, 280-292.	1.7	1
63	Phenolics decontamination of olive mill wastewater using onion solid by-products homogenate. , 0, 159, 32-39.		1
64	Industrial contaminations and water resources degradation assessment in coastal city of Rabigh, Saudi Arabia. Arabian Journal of Geosciences, 2022, 15, .	1.3	1
65	Water Security in the Arab World (Demand and Supply). Hydrology Current Research, 2014, 05, .	0.4	0
66	Erratum to â€œCalibration of the depth invariant algorithm to monitor the tidal action of Rabigh City at the Red Sea Coast, Saudi Arabiaâ€. Open Geosciences, 2021, 13, 293-293.	1.7	0
67	Impact of Hijlan Creek springs on water quality of the Euphrates River and the hydrochemical characterization of the contamination plumes. Environmental Earth Sciences, 2021, 80, 1.	2.7	0