

# Alaa Ahmed Masoud

## List of Publications by Year in descending order

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45  
papers

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citations

471509

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434195

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docs citations

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times ranked

1141  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Retrieval of the Water Quality Parameters from Sentinel-3/2 and Landsat-8 OLI in the Nile Delta's Coastal and Inland Waters. <i>Water (Switzerland)</i> , 2022, 14, 593.	2.7	13
2	Geotechnical database building and 3D modeling of the soil in Medina, Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0
3	On the Nile Fan's wave power potential and controlling factors integrating spectral and geostatistical techniques. <i>Renewable Energy</i> , 2022, , .	8.9	0
4	Hydrogeophysical Investigations Using DC Resistivity Survey to Assess the Water Potentialities of the Shallow Aquifer Zone in East of Dakhla Oasis, Egypt. <i>Earth and Environmental Sciences Library</i> , 2021, , 261-283.	0.4	1
5	Phytoplankton dynamics and renewable energy potential induced by the environmental conditions of Lake Burullus, Egypt. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66043-66071.	5.3	3
6	Integration of Well Logging and Remote Sensing Data for Detecting Potential Geothermal Sites along the Gulf of Suez, Egypt. <i>Resources</i> , 2020, 9, 109.	3.5	7
7	Groundwater Quality Assessment of a Multi-Layered Aquifer in a Desert Environment: A Case Study in Wadi ad-Dawasir, Saudi Arabia. <i>Water (Switzerland)</i> , 2020, 12, 3020.	2.7	9
8	Renewable energy and water sustainability: lessons learnt from TUISR19. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32153-32156.	5.3	9
9	Numerical and experimental analyses of the use of double vertical barrier walls for groundwater protection. <i>Water Environment Research</i> , 2020, 92, 2168-2177.	2.7	4
10	Geometry and field relations disclose the emplacement dynamics of the SW Sinai Dyke Swarms (Egypt). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 395, 106831.	2.1	3
11	Mapping soil salinity using spectral mixture analysis of landsat 8 OLI images to identify factors influencing salinization in an arid region. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 83, 101944.	2.8	28
12	Determination of the radiation dose rate and radiogenic heat production of North Gabal Abu Hibban area, central Eastern Desert, Egypt. <i>NRIAG Journal of Astronomy and Geophysics</i> , 2019, 8, 103-111.	0.9	3
13	Discriminating Weathering Degree by Integrating Optical Sensor and SAR Satellite Images for Potential Mapping of Groundwater Resources in Basement Aquifers of Semiarid Regions. <i>Natural Resources Research</i> , 2019, 28, 1197-1215.	4.7	1
14	Three-dimensional geotechnical modeling of the soils in Riyadh city, KSA. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 1-17.	3.5	24
15	Assessment of aquifer vulnerability for pollution for middle delta in Egypt using Geographic Information System and DRASTIC technique. <i>Journal of Engineering Research</i> , 2019, 3, 132-139.	0.1	3
16	Monitoring and assessment of the groundwater quality in wadi Al-Arish downstream area, North Sinai (Egypt). <i>Journal of African Earth Sciences</i> , 2018, 140, 225-240.	2.0	2
17	Geotechnical Mapping of Najran Soils for Safe Urban Expansion, Najran Region, Saudi Arabia. <i>Geotechnical and Geological Engineering</i> , 2018, 36, 2003-2020.	1.7	5
18	Assessment of groundwater and soil quality degradation using multivariate and geostatistical analyses, Dakhla Oasis, Egypt. <i>Journal of African Earth Sciences</i> , 2018, 142, 64-81.	2.0	35

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19	Identifying Groundwater Potential in Crystalline Basement Rocks Using Remote Sensing and Electromagnetic Sounding Techniques in Central Western Mozambique. <i>Natural Resources Research</i> , 2018, 27, 275-298.	4.7	21
20	TUEF2016-environmental pollution: problem and solution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30745-30746.	5.3	3
21	Patterns and Trends of the Pesticide Pollution of the Shallow Nile Delta Aquifer (Egypt). <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	10
22	Adsorption of phosphate ions from aqueous solution by modified bentonite with magnesium hydroxide Mg(OH) <sub>2</sub> . <i>Applied Clay Science</i> , 2017, 140, 157-164.	5.2	107
23	Spatiotemporal evaluation of the groundwater quality in Gharbiya Governorate, Egypt. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8256-8278.	5.3	8
24	Applicability of computer-aided comprehensive tool (LINDA: LINEament Detection and Analysis) and shaded digital elevation model for characterizing and interpreting morphotectonic features from lineaments. <i>Computers and Geosciences</i> , 2017, 106, 89-100.	4.2	45
25	Impacts of karst phenomena on engineering properties of limestone foundation bed, Ar Riyadh, Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	1.3	11
26	Uranium migration and favourable sites of potential radioelement concentrations in Gabal Umm Hammad area, Central Eastern Desert, Egypt. <i>NRIAG Journal of Astronomy and Geophysics</i> , 2017, 6, 368-378.	0.9	8
27	Geotechnical site suitability mapping for urban land management in Tanta District, Egypt. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	4
28	Spatio-temporal trends and change factors of groundwater quality in an arid area with peat rich aquifers: Emergence of water environmental problems in Tanta District, Egypt. <i>Journal of Arid Environments</i> , 2016, 124, 360-376.	2.4	27
29	3D geostatistical modeling of fracture system in a granitic massif to characterize hydraulic properties and fracture distribution. <i>Tectonophysics</i> , 2015, 660, 1-16.	2.2	30
30	Geotechnical evaluation of the alluvial soils for urban land management zonation in Gharbiya governorate, Egypt. <i>Journal of African Earth Sciences</i> , 2015, 101, 360-374.	2.0	18
31	Groundwater quality assessment of the shallow aquifers west of the Nile Delta (Egypt) using multivariate statistical and geostatistical techniques. <i>Journal of African Earth Sciences</i> , 2014, 95, 123-137.	2.0	95
32	Predicting salt abundance in slightly saline soils from Landsat ETM+ imagery using Spectral Mixture Analysis and soil spectrometry. <i>Geoderma</i> , 2014, 217-218, 45-56.	5.1	26
33	Relationship between remotely sensed vegetation change and fracture zones induced by the 2008 Wenchuan earthquake, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2013, 24, 282-296.	3.2	13
34	Hydrochemical and geoelectrical investigation of the coastal shallow aquifers in El-Omayed area, Egypt. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7065-7080.	2.7	10
35	Characterization of El-Tih kaolin quality using mineralogical, geochemical and geostatistical analyses. <i>Clay Minerals</i> , 2013, 48, 1-20.	0.6	2
36	Spatio-temporal evaluation of the groundwater quality in Kafr Al-Zayat District, Egypt. <i>Hydrological Processes</i> , 2013, 27, 2987-3002.	2.6	7

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37	Trends and Causes of Deterioration in the Shallow Groundwater Conditions in an Arid Agriculture Area through GIS-based Spatial Hydrochemical and Hydrodynamics Modeling. <i>Geoinformatics</i> , 2012, 24, 3-13.	0.1	3
38	Morphotectonics inferred from the analysis of topographic lineaments auto-detected from DEMs: Application and validation for the Sinai Peninsula, Egypt. <i>Tectonophysics</i> , 2011, 510, 291-308.	2.2	49
39	Auto-detection and integration of tectonically significant lineaments from SRTM DEM and remotely-sensed geophysical data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2011, 66, 818-832.	11.1	99
40	Runoff modeling of the wadi systems for estimating flash flood and groundwater recharge potential in Southern Sinai, Egypt. <i>Arabian Journal of Geosciences</i> , 2011, 4, 785-801.	1.3	27
41	Spatio-temporal characterization of the Pliocene aquifer conditions in Wadi El-Natron area, Egypt. <i>Environmental Earth Sciences</i> , 2011, 62, 1361-1374.	2.7	21
42	Arid land salinization detected by remotely-sensed landcover changes: A case study in the Siwa region, NW Egypt. <i>Journal of Arid Environments</i> , 2006, 66, 151-167.	2.4	106
43	Tectonic architecture through Landsat-7 ETM+/SRTM DEM-derived lineaments and relationship to the hydrogeologic setting in Siwa region, NW Egypt. <i>Journal of African Earth Sciences</i> , 2006, 45, 467-477.	2.0	114
44	On the Nile Fan's Wave Power Potential and Controlling Factors Integrating Spectral and Geostatistical Techniques. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
45	Performance analysis of direct solar dryer driven by photovoltaic thermal energy recovery and solar air collector for drying materials and electricity generation. <i>Heat Transfer</i> , 0, , .	3.0	3