Ahmed M Youssef

List of Publications by Year
in descending order

65 papers	4,265 citations	147566 31 h-index	128067 60 g-index
68 all docs	68 docs citations	68 times ranked	3207 citing authors

#	Article	IF	Citations
1	Landslide susceptibility mapping using random forest, boosted regression tree, classification and regression tree, and general linear models and comparison of their performance at Wadi Tayyah Basin, Asir Region, Saudi Arabia. Landslides, 2016, 13, 839-856.	2.7	530
2	Suitability estimation for urban development using multi-hazard assessment map. Science of the Total Environment, 2017, 575, 119-134.	3.9	334
3	Flash flood risk estimation along the St. Katherine road, southern Sinai, Egypt using GIS based morphometry and satellite imagery. Environmental Earth Sciences, 2011, 62, 611-623.	1.3	332
4	Landslide susceptibility mapping using machine learning algorithms and comparison of their performance at Abha Basin, Asir Region, Saudi Arabia. Geoscience Frontiers, 2021, 12, 639-655.	4.3	206
5	Landslide susceptibility mapping at Al-Hasher area, Jizan (Saudi Arabia) using GIS-based frequency ratio and index of entropy models. Geosciences Journal, 2015, 19, 113-134.	0.6	196
6	Manifestation of remote sensing data and GIS on landslide hazard analysis using spatial-based statistical models. Arabian Journal of Geosciences, 2010, 3, 319-326.	0.6	176
7	Flash flood susceptibility assessment in Jeddah city (Kingdom of Saudi Arabia) using bivariate and multivariate statistical models. Environmental Earth Sciences, 2016, 75, 1.	1.3	171
8	Multi-hazard assessment modeling via multi-criteria analysis and GIS: a case study. Environmental Earth Sciences, 2019, 78, 1.	1.3	169
9	Landslide susceptibility mapping using ensemble bivariate and multivariate statistical models in Fayfa area, Saudi Arabia. Environmental Earth Sciences, 2015, 73, 3745-3761.	1.3	141
10	Integrated evaluation of urban development suitability based on remote sensing and GIS techniques: contribution from the analytic hierarchy process. Arabian Journal of Geosciences, 2011, 4, 463-473.	0.6	134
11	Geomorphological hazard analysis along the Egyptian Red Sea coast between Safaga and Quseir. Natural Hazards and Earth System Sciences, 2009, 9, 751-766.	1.5	117
12	Analysis on causes of flash flood in Jeddah city (Kingdom of Saudi Arabia) of 2009 and 2011 using multi-sensor remote sensing data and GIS. Geomatics, Natural Hazards and Risk, 2016, 7, 1018-1042.	2.0	106
13	Rainfall-induced landslide susceptibility assessment at the Chongren area (China) using frequency ratio, certainty factor, and index of entropy. Geocarto International, 0, , 1-16.	1.7	105
14	Comparison of four kernel functions used in support vector machines for landslide susceptibility mapping: a case study at Suichuan area (China). Geomatics, Natural Hazards and Risk, 2017, 8, 544-569.	2.0	100
15	A 100-year maximum flood susceptibility mapping using integrated hydrological and hydrodynamic models: Kelantan River Corridor, Malaysia. Journal of Flood Risk Management, 2011, 4, 189-202.	1.6	75
16	Approaches for delineating landslide hazard areas using different training sites in an advanced artificial neural network model. Geo-Spatial Information Science, 2010, 13, 93-102.	2.4	73
17	Landslide susceptibility delineation in the Ar-Rayth area, Jizan, Kingdom of Saudi Arabia, using analytical hierarchy process, frequency ratio, and logistic regression models. Environmental Earth Sciences, 2015, 73, 8499-8518.	1.3	72
18	Coupling of remote sensing data aided with field investigations for geological hazards assessment in Jazan area, Kingdom of Saudi Arabia. Environmental Earth Sciences, 2012, 65, 119-130.	1.3	70

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19	Landslide susceptibility maps using different probabilistic and bivariate statistical models and comparison of their performance at Wadi Itwad Basin, Asir Region, Saudi Arabia. Bulletin of Engineering Geology and the Environment, 2016, 75, 63-87.	1.6	68
20	Overview of some geological hazards in the Saudi Arabia. Environmental Earth Sciences, 2013, 70, 3115-3130.	1.3	65
21	A Remote Sensing-Based Approach for Debris-Flow Susceptibility Assessment Using Artificial Neural Networks and Logistic Regression Modeling. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4818-4835.	2.3	63
22	Flood susceptibility prediction using four machine learning techniques and comparison of their performance at Wadi Qena Basin, Egypt. Natural Hazards, 2021, 105, 83-114.	1.6	62
23	Landslide susceptibility assessment at Wadi Jawrah Basin, Jizan region, Saudi Arabia using two bivariate models in GIS. Geosciences Journal, 2015, 19, 449-469.	0.6	58
24	Earth Fissures in Wadi Najran, Kingdom of Saudi Arabia. Natural Hazards, 2014, 71, 2013-2027.	1.6	54
25	Assessment of rockfall hazard at Al-Noor Mountain, Makkah city (Saudi Arabia) using spatio-temporal remote sensing data and field investigation. Journal of African Earth Sciences, 2015, 101, 309-321.	0.9	52
26	Flood Hazard Assessment of the Urban Area of Tabuk City, Kingdom of Saudi Arabia by Integrating Spatial-Based Hydrologic and Hydrodynamic Modeling. Sensors, 2019, 19, 1024.	2.1	52
27	Natural and human-induced sinkhole hazards in Saudi Arabia: distribution, investigation, causes and impacts. Hydrogeology Journal, 2016, 24, 625-644.	0.9	51
28	A Simple Method for Measuring Discontinuity Orientations from Terrestrial LIDAR Data. Environmental and Engineering Geoscience, 2013, 19, 185-194.	0.3	48
29	Sinkhole detection using electrical resistivity tomography in Saudi Arabia. Journal of Geophysics and Engineering, 2012, 9, 655-663.	0.7	40
30	New Risk-Consequence Rockfall Hazard Rating System for Missouri Highways Using Digital Image Analysis. Environmental and Engineering Geoscience, 2005, 11, 229-249.	0.3	38
31	Integration of remote sensing and electrical resistivity methods in sinkhole investigation in Saudi Arabia. Journal of Applied Geophysics, 2012, 87, 28-39.	0.9	38
32	Landslide susceptibility mapping using CNN-1D and 2D deep learning algorithms: comparison of their performance at Asir Region, KSA. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	35
33	Remote sensing applications to geological problems in Egypt: case study, slope instability investigation, Sharm El-Sheikh/Ras-Nasrani Area, Southern Sinai. Landslides, 2009, 6, 353-360.	2.7	34
34	Flood-Hazard Assessment Modeling Using Multicriteria Analysis and GIS. , 2019, , 229-257.		29
35	Debris flow impact assessment caused by 14 April 2012 rainfall along the Al-Hada Highway, Kingdom of Saudi Arabia using high-resolution satellite imagery. Arabian Journal of Geosciences, 2014, 7, 2591-2601.	0.6	26
36	Debris flow impact assessment along the Al-Raith Road, Kingdom of Saudi Arabia, using remote sensing data and field investigations. Geomatics, Natural Hazards and Risk, 2016, 7, 620-638.	2.0	24

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37	Stability of Rock Slopes along Raidah Escarpment Road, Asir Area, Kingdom of Saudi Arabia. Journal of Geography and Geology, 2012, 4, .	0.4	22
38	Remediation and mitigation strategies for rock fall hazards along the highways of Fayfa Mountain, Jazan Region, Kingdom of Saudi Arabia. Arabian Journal of Geosciences, 2015, 8, 2633-2651.	0.6	22
39	Development, justification, and verification of a rock fall hazard rating system. Bulletin of Engineering Geology and the Environment, 2012, 71, 171-186.	1.6	21
40	A Flood Risk Management Program of Wadi Baysh Dam on the Downstream Area: An Integration of Hydrologic and Hydraulic Models, Jizan Region, KSA. Sustainability, 2020, 12, 1069.	1.6	21
41	Comparative study of convolutional neural network (CNN) and support vector machine (SVM) for flood susceptibility mapping: a case study at Ras Gharib, Red Sea, Egypt. Geocarto International, 2022, 37, 11088-11115.	1.7	20
42	The devastating flood in the arid region a consequence of rainfall and dam failure: Case study, Al-Lith flood on 23th November 2018, Kingdom of Saudi Arabia. Zeitschrift FÃ¼r Geomorphologie, 2021, 63, 115-136.	0.3	19
43	Rise and demise of the New Lakes of Sahara. , 2008, 4, 375.		15
44	Agriculture Sprawl Assessment Using Multi-Temporal Remote Sensing Images and Its Environmental Impact; Al-Jouf, KSA. Sustainability, 2019, 11, 4177.	1.6	14
45	Sinkholes induced by uncontrolled groundwater withdrawal for agriculture in arid Saudi Arabia. Integration of remote-sensing and geophysical (ERT) techniques. Journal of Arid Environments, 2020, 177, 104132.	1.2	12
46	Geotechnical investigation of sewage wastewater disposal sites and use of GIS land use maps to assess environmental hazards: Sohag, upper Egypt. Arabian Journal of Geosciences, 2011, 4, 719-733.	0.6	11
47	Assessment of rock slope stability and structurally controlled failures along Samma escarpment road, Asir Region (Saudi Arabia). Arabian Journal of Geosciences, 2015, 8, 6835-6852.	0.6	11
48	Use of geological and geomorphological parameters in potential suitability assessment for urban planning development at Wadi Al-Asla basin, Jeddah, Kingdom of Saudi Arabia. Arabian Journal of Geosciences, 2015, 8, 5617-5630.	0.6	11
49	Remote sensing-based studies coupled with field data reveal urgent solutions to avert the risk of flash floods in the Wadi Qus (east of Jeddah) Kingdom of Saudi Arabia. Natural Hazards, 2015, 75, 1465-1488.	1.6	11
50	Integration of remote sensing data with the field and laboratory investigation for lithological mapping of granitic phases: Kadabora pluton, Eastern Desert, Egypt. Arabian Journal of Geosciences, 2009, 2, 69-82.	0.6	10
51	Mapping the mega paleodrainage basin using shuttle radar topography mission in Eastern Sahara and its impact on the new development projects in Southern Egypt. Geo-Spatial Information Science, 2009, 12, 182-190.	2.4	10
52	Mapping the Pliocene Clay Deposits Using Remote Sensing and its Impact on the Urbanization Developments in Egypt: Case Study, East Sohag Area. Geotechnical and Geological Engineering, 2008, 26, 579-591.	0.8	8
53	Advanced machine learning algorithms for flood susceptibility modeling â€" performance comparison: Red Sea, Egypt. Environmental Science and Pollution Research, 2022, 29, 66768-66792.	2.7	8
54	RockSee: Video image measurements of physical features to aid in highway rock cut characterization. Computers and Geosciences, 2007, 33, 437-444.	2.0	7

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55	Coupling of field investigations and remote sensing data for karst hazards in Egypt: case study around the Sohag City. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
56	Impact of geologic setting on the groundwater occurrence in wadis El Sanab, Hashem, and Khrega using geoelectrical methodsâ€"northwestern coast, Egypt. Arabian Journal of Geosciences, 2014, 7, 5127-5139.	0.6	5
57	Slope Stability Hazard Assessment and Mitigation Methodology Along Eastern Desert Aswan-CairoHighway, Egypt. Journal of King Abdulaziz University, Earth Sciences, 2009, 20, 161-181.	0.2	5
58	An Enhanced Remote Sensing Procedure for Material Mapping in the Western Desert of Egypt: A Tool for Managing Urban Development. Natural Resources Research, 2008, 17, 215-226.	2.2	4
59	Human-Induced Geo-Hazards in the Kingdom of Saudi Arabia: Distribution, Investigation, Causes and Impacts. , 0, , .		4
60	Statistical Analysis of Rainfall Patterns in Jeddah City, KSA: Future Impacts. , 0, , .		4
61	Karst Induced Geo-hazards in Egypt: Case Study Slope Stability Problems Along Some Selected Desert Highways. Sustainable Civil Infrastructures, 2018, , 149-164.	0.1	4
62	Mapping of Prerift â€" Synrift sedimentary units using enhanced thematic Mapper Plus (ETM+): Sidri â€" Feiran area, southwestern Sinai Peninsula, Egypt. Journal of the Indian Society of Remote Sensing, 2009, 37, 377-393.	1.2	2
63	Slope Stability Hazard Assessment Using 3D Remote Sensing and Field Sketching Techniques Along Sohag-Red Sea-Cairo Highway, Egypt. , 2017, , 407-417.		2
64	Landslide mechanisms along carbonate rock cliffs and their impact on sustainable development: a case study, Egypt. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
65	Mapping of Sand Dunes/Sheets/Accumulations Using Remote Sensing and their Potential Hazards in the New Projects West of El-Kawamel Area, Sohag, Egypt. Journal of King Abdulaziz University, Earth Sciences, 2013, 24, 39-56.	0.2	0