

# Hany Abd-Elhamid

## List of Publications by Year in descending order

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45  
papers

782  
citations

567281  
15  
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552781  
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46  
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docs citations

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times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Numerical Study to Investigate the Impact of Changing the Boundary Water Levels on Saltwater Intrusion in Coastal Aquifers. <i>Water (Switzerland)</i> , 2022, 14, 631.	2.7	1
2	Assessment of Changing the Abstraction and Recharge Rates on the Land Subsidence in the Nile Delta, Egypt. <i>Water (Switzerland)</i> , 2022, 14, 1096.	2.7	3
3	Spatial and Temporal Effects of Irrigation Canals Rehabilitation on the Land and Crop Yields, a Case Study: The Nile Delta, Egypt. <i>Water (Switzerland)</i> , 2022, 14, 808.	2.7	7
4	Spatial and Temporal Variability of Rainfall Trends in Response to Climate Change—A Case Study: Syria. <i>Water (Switzerland)</i> , 2022, 14, 1670.	2.7	6
5	Application of an artificial neural network for the improvement of agricultural drainage water quality using a submerged biofilter. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5854-5866.	5.3	14
6	Reservoir Management by Reducing Evaporation Using Floating Photovoltaic System: A Case Study of Lake Nasser, Egypt. <i>Water (Switzerland)</i> , 2021, 13, 769.	2.7	18
7	Environmental Impact Assessment and Hydraulic Modelling of Different Flood Protection Measures. <i>Water (Switzerland)</i> , 2021, 13, 786.	2.7	3
8	Impact of polluted open-drain geometry on groundwater contaminant in unconfined aquifers. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	2
9	Analytical Solution of Saltwater Intrusion in Coastal Aquifers Considering Climate Changes and Different Boundary Conditions. <i>Water (Switzerland)</i> , 2021, 13, 995.	2.7	14
10	Management of saltwater intrusion in coastal aquifers using different wells systems: a case study of the Nile Delta aquifer in Egypt. <i>Hydrogeology Journal</i> , 2021, 29, 1767-1783.	2.1	27
11	Integrated management of surface water and groundwater to mitigate flood risks and water scarcity in arid and semi-arid regions. <i>Journal of Flood Risk Management</i> , 2021, 14, e12720.	3.3	7
12	Identification of Extreme Weather Events Using Meteorological and Hydrological Indicators in the Laborec River Catchment, Slovakia. <i>Water (Switzerland)</i> , 2021, 13, 1413.	2.7	15
13	Assessing the Impact of Lining Polluted Streams on Groundwater Quality: A Case Study of the Eastern Nile Delta Aquifer, Egypt. <i>Water (Switzerland)</i> , 2021, 13, 1705.	2.7	7
14	Potential Climate Change Impacts on Water Resources in Egypt. <i>Water (Switzerland)</i> , 2021, 13, 1715.	2.7	17
15	Investigating and Managing the Impact of Using Untreated Wastewater for Irrigation on the Groundwater Quality in Arid and Semi-Arid Regions. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7485.	2.6	14
16	Environmental risk assessment focused on water quality in the Laborec River watershed. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 641-654.	2.3	9
17	Improving the Hydraulic Effects Resulting from the Use of a Submerged Biofilter to Enhance Water Quality in Polluted Streams. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12351.	2.6	2
18	Anthropogenic Activity Effects on Canals Morphology, Case Study: Nile Delta, Egypt. <i>Water (Switzerland)</i> , 2020, 12, 3184.	2.7	7

#	ARTICLE	IF	CITATIONS
19	Highways protection from flood hazards, a case study: New Tama road, KSA. Natural Hazards, 2020, 103, 479-496.	3.4	5
20	Evaluating the Impact of Urban Growth on the Design of Storm Water Drainage Systems. Water (Switzerland), 2020, 12, 1572.	2.7	16
21	Coastal Aquifer Protection from Saltwater Intrusion Using Abstraction of Brackish Water and Recharge of Treated Wastewater: Case Study of the Gaza Aquifer. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	1.9	20
22	Effects of Aquifer Bed Slope and Sea Level on Saltwater Intrusion in Coastal Aquifers. Hydrology, 2020, 7, 5.	3.0	12
23	Mitigation of seawater intrusion in coastal aquifers using coastal earth fill considering future sea level rise. Environmental Science and Pollution Research, 2020, 27, 23234-23245.	5.3	20
24	Hydromorphological Numerical Model of the Local Scour Process Around Bridge Piers. Arabian Journal for Science and Engineering, 2019, 44, 4183-4199.	3.0	24
25	Evaluation of potential impact of Grand Ethiopian Renaissance Dam on Seawater Intrusion in the Nile Delta Aquifer. International Journal of Environmental Science and Technology, 2019, 16, 2321-2332.	3.5	34
26	Efficiency of using different lining materials to protect groundwater from leakage of polluted streams. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 448-459.	1.4	15
27	Numerical analysis of physical barriers systems efficiency in controlling saltwater intrusion in coastal aquifers. Environmental Science and Pollution Research, 2019, 26, 35882-35899.	5.3	22
28	Modelling of Erosion and Transport Processes. Water (Switzerland), 2019, 11, 2604.	2.7	3
29	Assessing the Potential Impacts of the Grand Ethiopian Renaissance Dam on Water Resources and Soil Salinity in the Nile Delta, Egypt. Sustainability, 2019, 11, 7050.	3.2	19
30	Comprehensive study of the percolation of water from surface runoff with an emphasis on the retention capacity and intensity of precipitation. Water Science and Technology, 2019, 79, 2407-2416.	2.5	6
31	Effect of Topographic Data Accuracy on Watershed Management. International Journal of Environmental Research and Public Health, 2019, 16, 4245.	2.6	13
32	Management of Seawater Intrusion in Coastal Aquifers: A Review. Water (Switzerland), 2019, 11, 2467.	2.7	97
33	Flood prediction and mitigation in coastal tourism areas, a case study: Hurghada, Egypt. Natural Hazards, 2018, 93, 559-576.	3.4	8
34	Investigation of Saltwater Intrusion in Coastal Aquifers. Handbook of Environmental Chemistry, 2018, , 329-353.	0.4	1
35	Control of Saltwater Intrusion in Coastal Aquifers. Handbook of Environmental Chemistry, 2018, , 355-384.	0.4	8
36	3-D numerical study of local scour around bridge piers. AIP Conference Proceedings, 2018, , .	0.4	2

#	ARTICLE	IF	CITATIONS
37	Investigation and control of seawater intrusion in the Eastern Nile Delta aquifer considering climate change. Water Science and Technology: Water Supply, 2017, 17, 311-323.	2.1	6
38	Simulation of seawater intrusion in the Nile Delta aquifer under the conditions of climate change. Hydrology Research, 2016, 47, 1198-1210.	2.7	48
39	A cost-effective method to protect the coastal regions from sea level rise. A case study: northern coasts of Egypt. Journal of Water and Climate Change, 2016, 7, 114-127.	2.9	7
40	Impact of over-pumping and sea level rise on seawater intrusion in Gaza aquifer (Palestine). Journal of Water and Climate Change, 2015, 6, 891-902.	2.9	14
41	A simulation&#x2013;optimization model to control seawater intrusion in coastal aquifers using abstraction/recharge wells. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 1757-1779.	3.3	41
42	Impact of sea level rise and over-pumping on seawater intrusion in coastal aquifers. Journal of Water and Climate Change, 2011, 2, 19-28.	2.9	26
43	A density-dependant finite element model for analysis of saltwater intrusion in coastal aquifers. Journal of Hydrology, 2011, 401, 259-271.	5.4	34
44	A Cost-Effective Method to Control Seawater Intrusion in Coastal Aquifers. Water Resources Management, 2011, 25, 2755-2780.	3.9	98
45	Mathematical Models to Control Saltwater Intrusion in Coastal Aquifers. , 2008, , .		10