

Osman Abdalla

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

738
citations

471061

17
h-index

580395

25
g-index

52
all docs

52
docs citations

52
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	A scenario-based coupled SWAT-MODFLOW decision support system for advanced water resource management. <i>Journal of Hydroinformatics</i> , 2022, 24, 56-77.	1.1	5
2	Integration of Geophysical Methods for Doline Hazard Assessment: A Case Study from Northern Oman. <i>Geosciences (Switzerland)</i> , 2022, 12, 243.	1.0	3
3	A DEA cross-efficiency inclusive methodology for assessing water quality: A Composite Water Quality Index. <i>Journal of Hydrology</i> , 2022, 612, 128123.	2.3	11
4	A Surrogate Water Quality Index to assess groundwater using a unified DEA-OWA framework. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56658-56685.	2.7	16
5	Water table rise in arid urban area soils due to evaporation impedence and its mitigation by intelligently designed capillary chimney siphons. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	4
6	Fresh-saline water dynamics in coastal aquifers: Sand tank experiments with MAR-wells injecting at intermittent regimes. <i>Journal of Hydrology</i> , 2021, 601, 126826.	2.3	3
7	An integrated approach for assessing surface water quality: Case of Beni Haroun dam (Northeast) Tj ETQq1 1 0.784314 rgBT /Overloc	1.3	16
8	Recharge Estimation of Hardrock-Alluvium Al-Fara Aquifer, Oman Using Multiple Methods. <i>Advances in Science, Technology and Innovation</i> , 2019, , 313-315.	0.2	0
9	Hydrological and economic feasibility of mitigating a stressed coastal aquifer using managed aquifer recharge: a case study of Jamma aquifer, Oman. <i>Journal of Arid Land</i> , 2019, 11, 148-159.	0.9	26
10	Oblique Porous Composite as Evaporating â€œCapâ€ Do Desert Dunes Preserve Moisture by Capillary Barriers and Tilt of Their Slopes?. <i>Water Resources Research</i> , 2019, 55, 2504-2520.	1.7	7
11	A surrogate-based sensitivity quantification and Bayesian inversion of a regional groundwater flow model. <i>Journal of Hydrology</i> , 2018, 557, 826-837.	2.3	29
12	Modern Recharge in a Transboundary Groundwater Basin Deduced from Hydrochemical and Isotopic Investigations: Al Buraimi, Oman. <i>Geofluids</i> , 2018, 2018, 1-14.	0.3	3
13	Assessment of the impact of climate change on coastal aquifers in Oman. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	20
14	Coupling isotopic and piezometric data to infer groundwater recharge mechanisms in arid areas: example of Samail Catchment, Oman. <i>Hydrogeology Journal</i> , 2018, 26, 2561-2573.	0.9	5
15	â°¼4ç½—æ²³æµåÿÿâœ°èj“æ°’â’Æâœ°ä,æ°’ç,ä°’â½œç””:âÆâ½½ç’â’ÆâŽ’âŠ’æ°’éçèæ®. <i>Hydrogeology Journal</i> , 2018, 25, 707-726.		
16	An efficient methodology to design optimal groundwater level monitoring network in Al-Buraimi region, Oman. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	9
17	Special issue on water resources in arid areas. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	1
18	An efficient surrogate-based simulation-optimization method for calibrating a regional MODFLOW model. <i>Journal of Hydrology</i> , 2017, 544, 591-603.	2.3	33

#	ARTICLE	IF	CITATIONS
19	Impurity effect on clear water evaporation: toward modelling wastewater evaporation using ANN, ANFIS-SC and GEP techniques. Hydrological Sciences Journal, 2017, 62, 1856-1866.	1.2	7
20	Groundwater recharge estimation in arid hardrockâ€“alluvium aquifers using combined waterâ€“stable fluctuation and groundwater balance approaches. Hydrological Processes, 2017, 31, 3437-3451.	1.1	18
21	Strontium isotopes as a tool for estimation of groundwater recharge and aquifer connectivity. Groundwater for Sustainable Development, 2017, 4, 1-11.	2.3	13
22	Groundwater Modeling and Sustainability of a Transboundary Hardrockâ€“Alluvium Aquifer in North Oman Mountains. Water (Switzerland), 2017, 9, 161.	1.2	14
23	An Overview of Stable Isotopes in Northern Omanâ€™s Main Aquifers as an Insight into Recharge Process. Springer Water, 2017, , 141-153.	0.2	0
24	A Novel Approach to Modeling Wastewater Evaporation Based on Dimensional Analysis. Water Resources Management, 2016, 30, 2801-2814.	1.9	9
25	Dynamic panel-data-based groundwater level prediction and decomposition in an arid hardrockâ€“alluvium aquifer. Environmental Earth Sciences, 2016, 75, 1.	1.3	3
26	Conjunctive use of groundwater and surface water resources with aquifer recharge by treated wastewater: evaluation of management scenarios in the Zarqa River Basin, Jordan. Environmental Earth Sciences, 2016, 75, 1.	1.3	22
27	Groundwater recharge to ophiolite aquifer in North Oman: constrained by stable isotopes and geochemistry. Environmental Earth Sciences, 2016, 75, 1.	1.3	8
28	Hydro-chemical evolution of groundwater in a sequence of Tertiary Formations in Northwest Oman. Environmental Earth Sciences, 2016, 75, 1.	1.3	3
29	Rare earth and trace elements in soil-plant system irrigated with treated wastewater in an arid environment. International Journal of Environmental Technology and Management, 2015, 18, 231.	0.1	0
30	Application of time-domain electromagnetic method in mapping saltwater intrusion of a coastal alluvial aquifer, North Oman. Journal of Applied Geophysics, 2015, 115, 59-64.	0.9	28
31	Hydrochemical characterization of the main aquifers in Khartoum, the capital city of Sudan. Environmental Earth Sciences, 2015, 74, 4771-4786.	1.3	14
32	Groundwater flow in hillslopes: Analytical solutions by the theory of holomorphic functions and hydraulic theory. Applied Mathematical Modelling, 2015, 39, 3380-3397.	2.2	6
33	An efficient optimization of well placement and control for a geothermal prospect under geological uncertainty. Applied Energy, 2015, 137, 352-363.	5.1	48
34	Hydrogeological and economical simulations: emergency water supply for Muscat. Water Policy, 2014, 16, 340-357.	0.7	11
35	Factors affecting groundwater chemistry in regional arid basins of variable lithology: example of Wadi Umairy, Oman. Arabian Journal of Geosciences, 2014, 7, 2861-2870.	0.6	17
36	Groundwater recharge dams in arid areas as tools for aquifer replenishment and mitigating seawater intrusion: example of AlKhod, Oman. Environmental Earth Sciences, 2013, 69, 1951-1962.	1.3	48

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37	Reply on the comment "Review of Groundwater modeling in semiarid Central Sudan: adequacy and long term abstraction (Abdalla 2009)" By R. Salama & A. Elamin (2009). Arabian Journal of Geosciences, 2011, 4, 681-686.	0.6	1
38	Groundwater recharge in arid areas induced by tropical cyclones: lessons learned from Gonu 2007 in Sultanate of Oman. Environmental Earth Sciences, 2011, 63, 229-239.	1.3	31
39	Fluids' dynamics in transient air sparging of a heterogeneous unconfined aquifer. Environmental Earth Sciences, 2011, 63, 1189-1198.	1.3	11
40	Rate of seawater intrusion estimated by geophysical methods in an arid area: Al Khabourah, Oman. Hydrogeology Journal, 2010, 18, 1437-1445.	0.9	37
41	Cyanide from gold mining and its effect on groundwater in arid areas, Yanqul mine of Oman. Environmental Earth Sciences, 2010, 60, 885-892.	1.3	23
42	Dry Atmospheric Contribution to the Plant-Soil System Around a Cement Factory: Spatial Variations and Sources—a Case Study from Oman. Water, Air, and Soil Pollution, 2010, 205, 343-357.	1.1	22
43	Water table response to a tidal agitation in a coastal aquifer: The Meyer-Polubarinova-Kochina theory revisited. Journal of Hydrology, 2010, 392, 96-104.	2.3	23
44	The Application of Air-sparging, Soil Vapor Extraction and Pump and Treat for Remediation of a Diesel-contaminated Fractured Formation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 911-922.	1.2	13
45	Groundwater recharge/discharge in semi-arid regions interpreted from isotope and chloride concentrations in north White Nile Rift, Sudan. Hydrogeology Journal, 2009, 17, 679-692.	0.9	34
46	Mobility of rare earth elements in the system soils-plants-groundwaters: a case study of an arid area (Oman). Arabian Journal of Geosciences, 2009, 2, 143-150.	0.6	18
47	Groundwater modeling in semiarid Central Sudan: adequacy and long-term abstraction. Arabian Journal of Geosciences, 2009, 2, 321-335.	0.6	9
48	Groundwater discharge mechanism in semi-arid regions and the role of evapotranspiration. Hydrological Processes, 2008, 22, 2993-3009.	1.1	22
49	Groundwater in North and Central Sudan. Hydrogeology, 2008, , .	0.1	1
50	Modelling an aquifer's response to a remedial action in Wadi Suq, Oman. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	3
51	Aquifer systems in Kordofan, Sudan: Subsurface lithological model. South African Journal of Geology, 2006, 109, 585-598.	0.6	8