Salem Bouri

List of Publications by Year in descending order

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55 papers	1,259 citations	393982 19 h-index	395343 33 g-index
56 all docs	56 docs citations	56 times ranked	916 citing authors

#	Article	IF	Citations
1	Groundwater quality evaluation and human health risks assessment using the WQI, NPI and HQnitrate models: case of the Sfax intermediate aquifer, Sahel Tunisia. Environmental Geochemistry and Health, 2022, 44, 2629-2647.	1.8	10
2	Assessment of Seawater Intrusion in Coastal Aquifers Using Multivariate Statistical Analyses and Hydrochemical Facies Evolution-Based Model. International Journal of Environmental Research and Public Health, 2022, 19, 155.	1.2	21
3	Monitoring of Groundwater Suitability for Irrigation Under Severe Arid Conditions. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 599-618.	0.3	0
4	Contribution of GIS tools and statistical approaches to optimize the DRASTIC model for groundwater vulnerability assessment in arid and semi-arid regions: the case of Sidi Bouzid shallow aquifer. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	5
5	Integration of GIS and WEAP models for groundwater resource management in arid regions: case of the Djeffara-Medenine shallow aquifer (Southeastern Tunisia). Arabian Journal of Geosciences, 2022, 15, 1.	0.6	1
6	Groundwater potential recharge assessment in arid regions using GIS tool: case of the Medenine shallow aquifer (Southeastern Tunisia). Applied Geomatics, 2022, 14, 475-490.	1.2	1
7	Groundwater Quality Index Mapping for Irrigation Purposes in the El Hezmaâ€Ł Hmila Aquifer (Medenine, Tunisia). Clean - Soil, Air, Water, 2022, 50, .	0.7	2
8	Soil salinity and its associated effects on soil microorganisms, greenhouse gas emissions, crop yield, biodiversity and desertification: A review. Science of the Total Environment, 2022, 843, 156946.	3.9	105
9	Delineation of groundwater potentials of Sfax region, Tunisia, using fuzzy analytical hierarchy process, frequency ratio, and weights of evidence models. Environment, Development and Sustainability, 2021, 23, 14749-14774.	2.7	18
10	Using a Mamdani Fuzzy Inference System Model (MFISM) for Ranking Groundwater Quality in an Agri-Environmental Context: Case of the Hammamet-Nabeul Shallow Aquifer (Tunisia). Water (Switzerland), 2021, 13, 2507.	1.2	15
11	Water vulnerability of coastal aquifers using AHP and parametric models: methodological overview and a case study assessment. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	24
12	EFA-CFA integrated approach for groundwater resources sustainability in agricultural areas under data scarcity challenge: case study of the Souassi aquifer, Central-eastern Tunisia. Environment, Development and Sustainability, 2021, 23, 12024-12043.	2.7	7
13	Use of HYDRUS-1Dâ€“GIS tool for evaluating effects of climate changes on soil salinization and irrigation management. Archives of Agronomy and Soil Science, 2020, 66, 193-207.	1.3	16
14	Impacts of climate change on irrigation water requirement of date palms under future salinity trend in coastal aquifer of Tunisian oasis. Agricultural Water Management, 2020, 228, 105843.	2.4	27
15	Evaluation of groundwater hydrogeochemical characteristics and delineation of geothermal potentialities using multi criteria decision analysis: Case of Tozeur region, Tunisia. Applied Geochemistry, 2020, 113, 104504.	1.4	16
16	Towards understanding groundwater quality using hydrochemical and statistical approaches: case of shallow aquifer of Mahdiaâ€“Ksour Essaf (Sahel of Tunisia). Environmental Science and Pollution Research, 2020, 27, 5251-5265.	2.7	14
17	Effects of climate change on key soil characteristics and strategy to enhance climate resilience of smallholder farming: an analysis of a pomegranate-field in a coastal Tunisian oasis. Environmental Earth Sciences, 2020, 79, 1.	1.3	4
18	Subsurface Drainage System Performance, Soil Salinization Risk, and Shallow Groundwater Dynamic Under Irrigation Practice in an Arid Land. Arabian Journal for Science and Engineering, 2019, 44, 467-477.	1.7	15

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19	Mapping potential zones for groundwater recharge and its evaluation in arid environments using a GIS approach: Case study of North Gafsa Basin (Central Tunisia). Journal of African Earth Sciences, 2018, 141, 107-117.	0.9	38
20	Modeling aquifer behaviour under climate change and high consumption: Case study of the Sfax region, southeast Tunisia. Journal of African Earth Sciences, 2018, 141, 118-129.	0.9	15
21	Hydrochemical and statistical studies of the groundwater salinization combined with MODPATH numerical model: case of the Sfax coastal aquifer, Southeast Tunisia. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	8
22	Surface irrigation performance of date palms under water scarcity in arid irrigated lands. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	12
23	Assessment and mapping groundwater quality using hybrid PCA-WQI model: case of the Middle Miocene aquifer of Hajeb Layoun-Jelma basin (Central Tunisia). Arabian Journal of Geosciences, 2018, 11, 1.	0.6	14
24	The seawater intrusion assessment in coastal aquifers using GALDIT method and groundwater quality index: the Djeffara of Medenine coastal aquifer (Southeastern Tunisia). Arabian Journal of Geosciences, 2018, 11, 1.	0.6	14
25	The consequences of saline irrigation treatments on soil physicochemical characteristics. Euro-Mediterranean Journal for Environmental Integration, 2018, 3, 1.	0.6	11
26	A global risk approach to assessing groundwater vulnerability. Environmental Modelling and Software, 2017, 88, 168-182.	1.9	59
27	Assessment of groundwater vulnerability using a specific vulnerability method: Case of Maritime Djeffara shallow aquifer (Southeastern Tunisia). Arabian Journal of Geosciences, 2017, 10, 1.	0.6	17
28	Assessing groundwater vulnerability to nitrate pollution using statistical approaches: a case study of Sidi Bouzid shallow aquifer, Central Tunisia. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	10
29	Effects of excessive irrigation of date palm on soil salinization, shallow groundwater properties, and water use in a Saharan oasis. Environmental Earth Sciences, 2017, 76, 1.	1.3	28
30	Soil salinization and critical shallow groundwater depth under saline irrigation condition in a Saharan irrigated land. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	17
31	Hydrochemical characterization of groundwater using multivariate statistical analysis: the Maritime Djeffara shallow aquifer (Southeastern Tunisia). Environmental Earth Sciences, 2017, 76, 1.	1.3	23
32	Soil salinisation and irrigation management of date palms in a Saharan environment. Environmental Monitoring and Assessment, 2016, 188, 497.	1.3	19
33	Hydrogeochemical and stable isotope data of groundwater of a multi-aquifer system: Northern Gafsa basin â€“ Central Tunisia. Journal of African Earth Sciences, 2016, 114, 174-191.	0.9	89
34	Validation of two applied methods of groundwater vulnerability mapping: application to the coastal aquifer system of Southern Sfax (Tunisia). Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 719-737.	0.6	12
35	Hydrochemistry of thermal waters in Northeast Tunisia: waterâ€“rock interactions and hydrologic mixing. Arabian Journal of Geosciences, 2015, 8, 1743-1754.	0.6	7
36	Mapping recharge potential zones and natural recharge calculation: study case in Sfax region. Arabian Journal of Geosciences, 2015, 8, 5203-5221.	0.6	10

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37	Mise en Ã©vidence de l'origine de la thermalitÃ© et de la minÃ©ralisation des eaux gÃ©othermales de Gabes sud, Sud-est tunisien. Houille Blanche, 2015, 101, 84-92.	0.3	0
38	Transfert hydraulique entre les aquifÃ¨res profonds du sillon des Chotts, sud-ouest tunisien. Houille Blanche, 2015, , 58-65.	0.3	0
39	Hydrogeological and mixing process of waters in deep aquifers in arid regions: south east Tunisia. Arabian Journal of Geosciences, 2014, 7, 799-809.	0.6	12
40	Comparison of three applied methods of groundwater vulnerability mapping: application to the coastal aquifer of Chebbaâ€“Mellouleche (Tunisia). Desalination and Water Treatment, 2014, 52, 2120-2130.	1.0	13
41	Impacts of climate change on water resources in arid and semi-arid regions: Chaffar Sector, Eastern Tunisia. Desalination and Water Treatment, 2014, 52, 2082-2093.	1.0	14
42	Groundwater management based on GIS techniques, chemical indicators and vulnerability to seawater intrusion modelling: application to the Mahdiaâ€“Ksour Essaf aquifer, Tunisia. Environmental Earth Sciences, 2013, 70, 1551-1568.	1.3	44
43	Hydrochemistry and geothermometry of thermal groundwater of southeastern Tunisia (Gabes) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	25
44	Hydrochemical analysis and evaluation of groundwater quality of a Mio-Plio-Quaternary aquifer system in an arid regions: case of El Hancha, Djebeniana and El Amra regions, Tunisia. Arabian Journal of Geosciences, 2013, 6, 2089-2102.	0.6	14
45	Implementation and evaluation of multivariate analysis for groundwater hydrochemistry assessment in arid environments: a case study of Hajeb Elyounâ€“Jelma, Central Tunisia. Environmental Earth Sciences, 2013, 70, 2215-2224.	1.3	51
46	Impact of anthropogenic activities on the groundwater resources of the unconfined aquifer of Triffa plain (Eastern Morocco). Arabian Journal of Geosciences, 2013, 6, 4917-4924.	0.6	20
47	Sensitivity analysis in groundwater vulnerability assessment based on GIS in the Mahdia-Ksour Essaf aquifer, Tunisia: a validation study. Hydrological Sciences Journal, 2011, 56, 288-304.	1.2	65
48	Groundwater vulnerability and risk mapping of the Hajeb-jelma aquifer (Central Tunisia) using a GIS-based DRASTIC model. Environmental Earth Sciences, 2010, 59, 1579-1588.	1.3	103
49	A thirty-year artificial recharge experiment in a coastal aquifer in an arid zone: The Teboulba aquifer system (Tunisian Sahel). Comptes Rendus - Geoscience, 2010, 342, 60-74.	0.4	63
50	A GIS-based susceptibility indexing method for irrigation and drinking water management planning: Application to Chebbaâ€“Mellouleche Aquifer, Tunisia. Agricultural Water Management, 2009, 96, 1683-1690.	2.4	47
51	Impacts of wastewater irrigation in arid and semi arid regions: case of Sidi Abid region, Tunisia. Environmental Geology, 2008, 53, 1421-1432.	1.2	24
52	A synthetic approach integrating surface and subsurface data for prospecting deep aquifers: the Southeast Tunisia. Environmental Geology, 2008, 54, 1473-1484.	1.2	20
53	Thermal regime, groundwater flow and petroleum occurrences in the Cap Bon region, northeastern Tunisia. Geothermics, 2007, 36, 362-381.	1.5	6
54	Ã‰valuation de la qualitÃ© de l'eau par application de la mÃ©thode gÃ©oÃ©lectrique : exemple de la plaine d'El Midaâ€“Gabes nord (Sud tunisien). Comptes Rendus - Geoscience, 2006, 338, 1228-1239.	0.4	29

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55	Assessment of the effects of anthropogenic activities on the El Arich groundwater using hydrogeochemistry, GIS and multivariate statistical techniques: A case study of the semiâ€arid Kasserine region, Tunisia. Environmental Quality Management, 0, , .	1.0	3