

Yassine Charabi

List of Publications by Year in descending order

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92
papers

2,591
citations

331259

21
h-index

243296

44
g-index

96
all docs

96
docs citations

96
times ranked

3347
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential estimation and cost analysis of wind energy production in Oman. <i>Environment, Development and Sustainability</i> , 2022, 24, 5917-5937.	2.7	6
2	Fenton oxidation for soil remediation: A critical review of observations in historically contaminated soils. <i>Journal of Hazardous Materials</i> , 2022, 424, 127670.	6.5	50
3	Recent advancements on biochars enrichment with ammonium and nitrates from wastewaters: A critical review on benefits for environment and agriculture. <i>Journal of Environmental Management</i> , 2022, 305, 114368.	3.8	29
4	Conversion of Industrial Sludge into Activated Biochar for Effective Cationic Dye Removal: Characterization and Adsorption Properties Assessment. <i>Water (Switzerland)</i> , 2022, 14, 2206.	1.2	4
5	Spatiotemporal assessment of <i>Prosopis juliflora</i> invasion: linking invasion pattern to meteorological conditions. <i>Tropical Ecology</i> , 2021, 62, 197-208.	0.6	0
6	Digging deeper into cutting methane emissions from the oil and gas industry in the era of volatile prices. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2021, 26, 1.	1.0	5
7	Offshore Wind Energy Resource Assessment across the Territory of Oman: A Spatial-Temporal Data Analysis. <i>Sustainability</i> , 2021, 13, 2862.	1.6	16
8	Investigations on Biogas Recovery from Anaerobic Digestion of Raw Sludge and Its Mixture with Agri-Food Wastes: Application to the Largest Industrial Estate in Oman. <i>Sustainability</i> , 2021, 13, 3698.	1.6	10
9	COVID-19: The Challenges and Opportunities for Water, Air, Agriculture and Energy Sectors. <i>International Journal of Agriculture and Biology</i> , 2021, 25, 1085-1095.	0.2	4
10	Demographic and socioeconomic determinants of COVID-19 across Oman - A geospatial modelling approach. <i>Geospatial Health</i> , 2021, 16, .	0.3	16
11	Sludge-derived biochars: A review on the influence of synthesis conditions on pollutants removal efficiency from wastewaters. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 111068.	8.2	72
12	Satellite-Based Water and Energy Balance Model for the Arid Region to Determine Evapotranspiration: Development and Application. <i>Sustainability</i> , 2021, 13, 13111.	1.6	1
13	Wastewater treatment, reuse, and disposalâ€associated effects on environment and health. <i>Water Environment Research</i> , 2020, 92, 1595-1602.	1.3	15
14	Assessment of the coastal vulnerability to sea level rise: Sultanate of Oman. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	21
15	GHG emissions from the transport sector in Oman: Trends and potential decarbonization pathways. <i>Energy Strategy Reviews</i> , 2020, 32, 100548.	3.3	21
16	Wind turbine performance analysis for energy cost minimization. <i>Renewables: Wind, Water, and Solar</i> , 2020, 7, .	2.5	22
17	Spatiotemporal Assessment of COVID-19 Spread over Oman Using GIS Techniques. <i>Earth Systems and Environment</i> , 2020, 4, 797-811.	3.0	46
18	Formation of the Wahiba Sand Sea in the Sultanate of Oman: implications of change in wind energy. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	6

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19	Ecological and human health risk assessment. <i>Water Environment Research</i> , 2020, 92, 1440-1446.	1.3	12
20	Pesticides and herbicides. <i>Water Environment Research</i> , 2020, 92, 1425-1432.	1.3	9
21	Design and evaluation of a hybrid energy system for Masirah Island in Oman. <i>International Journal of Sustainable Engineering</i> , 2020, 13, 288-297.	1.9	15
22	Is it the right time now to replace the diesel system with the natural gas system at Al Duqm in the Sultanate of Oman?. <i>International Journal of Ambient Energy</i> , 2020, , 1-9.	1.4	2
23	The optimal sizing and performance assessment of a hybrid renewable energy system for a mini-grid in an exclave territory. <i>AIMS Energy</i> , 2020, 8, 669-685.	1.1	4
24	Ecological and human health risk assessment. <i>Water Environment Research</i> , 2019, 91, 1072-1079.	1.3	5
25	Selection of the best solar photovoltaic (PV) for Oman. <i>Solar Energy</i> , 2019, 188, 1156-1168.	2.9	43
26	Pesticides and herbicides. <i>Water Environment Research</i> , 2019, 91, 1342-1349.	1.3	19
27	Prediction of optimum sampling rates of air quality monitoring stations using hierarchical fuzzy logic control system. <i>Atmospheric Pollution Research</i> , 2019, 10, 1931-1943.	1.8	22
28	Impact of the ambient air quality due to the dispersion of PM10 from a hot-dip galvanizing plant located in the Sultanate of Oman. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1279-1289.	1.5	1
29	Offshore wind potential and wind atlas over the Oman Maritime Zone. <i>Energy, Ecology and Environment</i> , 2019, 4, 1-14.	1.9	15
30	Health effects associated with wastewater treatment, reuse, and disposal. <i>Water Environment Research</i> , 2019, 91, 976-983.	1.3	22
31	Pathways for building urban resilience to climate change in Oman. <i>Development in Practice</i> , 2019, 29, 594-605.	0.6	7
32	Prediction of Metallic Conductor Voltage Owing to Electromagnetic Coupling Via a Hybrid ANFIS and Backtracking Search Algorithm. <i>Energies</i> , 2019, 12, 3651.	1.6	15
33	Modelling the trends of vehicle-emitted pollutants in Salalah, Sultanate of Oman, over a 10-year period. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1355-1373.	1.9	4
34	Investigating the impact of monsoon season on the dispersion of pollutants emitted from vehicles: A case study of Salalah City, Sultanate of Oman. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 59, 108-120.	3.2	15
35	Flooding risk analysis: A case study of Muscat Governorate, Sultanate of Oman. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 667-678.	1.7	10
36	Potential changes in the number of wet days and its effect on future intense and annual precipitation in northern Oman. <i>Hydrology Research</i> , 2018, 49, 237-250.	1.1	5

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37	Strategic pathways and regulatory choices for effective GHG reduction in hydrocarbon based economy: Case of Oman. Energy Reports, 2018, 4, 653-659.	2.5	8
38	Ecological and Human Health Risk Assessment. Water Environment Research, 2018, 90, 1777-1791.	1.3	10
39	Health Effects Associated with Wastewater Treatment, Reuse and Disposal. Water Environment Research, 2018, 90, 1759-1776.	1.3	9
40	Effects of Pollution on Freshwater Organisms. Water Environment Research, 2018, 90, 1723-1747.	1.3	0
41	Assessment of the impact of climate change on coastal aquifers in Oman. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	20
42	Pesticides and Herbicides. Water Environment Research, 2018, 90, 1663-1678.	1.3	12
43	A study to investigate the key sources of odors in Al-Multaqa Village, Sultanate of Oman. Environmental Forensics, 2017, 18, 15-35.	1.3	8
44	Smart Grid. , 2017, , 1465-1501.		1
45	Effects of Pollution on Freshwater Organisms. Water Environment Research, 2017, 89, 1676-1703.	1.3	8
46	Bioenergy from Biofuel Residues and Wastes. Water Environment Research, 2017, 89, 1441-1460.	1.3	2
47	Radioactive Wastes. Water Environment Research, 2017, 89, 1487-1502.	1.3	1
48	Textiles. Water Environment Research, 2017, 89, 1424-1440.	1.3	3
49	Recent Observed Climate Change Over Oman. Springer Water, 2017, , 89-100.	0.2	1
50	Production of solar radiation bankable datasets from high-resolution solar irradiance derived with dynamical downscaling Numerical Weather prediction model. Energy Reports, 2016, 2, 67-73.	2.5	16
51	Siting of PV power plants on inclined terrains. International Journal of Sustainable Energy, 2016, 35, 834-843.	1.3	7
52	Validation and Integration of Wheat Seed Emergence Prediction Model with GIS and Numerical Weather Prediction Models. Communications in Computer and Information Science, 2016, , 90-103.	0.4	0
53	Greenhouse gas (GHG) emissions in the Sultanate of Oman. , 2015, 5, 339-346.		12
54	Evaluation of ensemble NWP models for dynamical downscaling of air temperature over complex topography in a hot climate: A case study from the Sultanate of Oman. Atmosfera, 2015, 28, 261-269.	0.3	4

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55	Creating An Enabling Environment for Renewable Energy Application in the Sultanate of Oman. International Journal of Green Energy, 2015, 12, 1169-1177.	2.1	6
56	Geometrical approach for wind farm symmetrical layout design optimization. , 2015, , .		1
57	Assessment of large-scale wind energy potential in the emerging city of Duqm (Oman). Renewable and Sustainable Energy Reviews, 2015, 47, 438-447.	8.2	35
58	Applicability of VI in arid vegetation delineation using shadow-affected SPOT imagery. Environmental Monitoring and Assessment, 2015, 187, 454.	1.3	5
59	CO2 greenhouse emissions in Oman over the last forty-two years: Review. Renewable and Sustainable Energy Reviews, 2015, 52, 1702-1712.	8.2	24
60	Contribution of atmospheric processes to the degradation of air quality: case study (Sohar Industrial) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.5	7
61	Application of Geo-Processing Model for a Quantitative Assessment of Coastal Exposure and Sensitivity to Sea Level Rise in the Sultanate of Oman. American Journal of Climate Change, 2015, 04, 379-384.	0.5	10
62	Integrating GIS and Numeric Weather Prediction Model with Wheat Simulation Model for Optimal Wheat Production Locations in Arid Regions. , 2015, , .		0
63	Trajectory Calculation as Forecasting Support Tool for Dust Storms. Advances in Meteorology, 2014, 2014, 1-6.	0.6	4
64	Hydrogeological and economical simulations: emergency water supply for Muscat. Water Policy, 2014, 16, 340-357.	0.7	11
65	Assessment of the consciousness levels on renewable energy resources in the Sultanate of Oman. Renewable and Sustainable Energy Reviews, 2014, 40, 1081-1089.	8.2	16
66	Observations: Atmosphere and Surface. , 2014, , 159-254.		350
67	Assessment of the impact of the meteorological meso-scale circulation on air quality in arid subtropical region. Environmental Monitoring and Assessment, 2013, 185, 2329-2342.	1.3	16
68	Integration of temperature and dust effects in siting large PV power plant in hot arid area. Renewable Energy, 2013, 57, 635-644.	4.3	49
69	Correlation between climate data and maximum electricity demand in Qatar. , 2013, , .		15
70	Wind resource assessment using numerical weather prediction models and multi-criteria decision making technique: case study (Masirah Island, Oman). International Journal of Renewable Energy Technology, 2013, 4, 17.	0.2	8
71	Optimal micro-siting of small wind turbine using numerical simulation. , 2013, , .		2
72	Probabilistic wind speed forecast for wind power prediction using pseudo ensemble approach. , 2012, , .		10

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73	Nested ensemble NWP approach for wind energy assessment. <i>Renewable Energy</i> , 2012, 37, 150-160.	4.3	48
74	Spatio-temporal assessment of dust risk maps for solar energy systems using proxy data. <i>Renewable Energy</i> , 2012, 44, 23-31.	4.3	25
75	Wind farm land suitability indexing using multi-criteria analysis. <i>Renewable Energy</i> , 2012, 44, 80-87.	4.3	151
76	Assessment of the canopy urban heat island of a coastal arid tropical city: The case of Muscat, Oman. <i>Atmospheric Research</i> , 2011, 101, 215-227.	1.8	57
77	Integral assessment of air pollution dispersion regimes in the main industrialized and urban areas in Oman. <i>Arabian Journal of Geosciences</i> , 2011, 4, 625-634.	0.6	10
78	PV site suitability analysis using GIS-based spatial fuzzy multi-criteria evaluation. <i>Renewable Energy</i> , 2011, 36, 2554-2561.	4.3	293
79	Evaluation of NWP performance for wind energy resource assessment in Oman. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1545-1555.	8.2	29
80	Solar water heating initiative in Oman energy saving and carbon credits. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1851-1856.	8.2	49
81	Solar electricity prospects in Oman using GIS-based solar radiation maps. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 790-797.	8.2	159
82	GIS assessment of large CSP plant in Duqum, Oman. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 835-841.	8.2	55
83	GIS-based assessment of combined CSP electric power and seawater desalination plant for Duqum, Oman. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 821-827.	8.2	68
84	Assessment of wind energy potential locations in Oman using data from existing weather stations. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1428-1436.	8.2	84
85	Review of the use of Numerical Weather Prediction (NWP) Models for wind energy assessment. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 3192-3198.	8.2	213
86	GIS-based estimation of roof-PV capacity & energy production for the Seeb region in Oman. , 2010, , .		3
87	Synoptic aspects of winter rainfall variability in Oman. <i>Atmospheric Research</i> , 2010, 95, 470-486.	1.8	23
88	Estimating wind resource over Oman using meso-scale modeling. , 2010, , .		2
89	Siting of large PV farms in Al-Batinah region of Oman. , 2010, , .		10
90	Indian Ocean Tropical Cyclones and Climate Change. , 2010, , .		17

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91	Arabian summer monsoon variability: Teleconexion to ENSO and IOD. Atmospheric Research, 2009, 91, 105-117.	1.8	24
92	Synoptic aspects of the summer monsoon of southern Oman and its global teleconnections. Journal of Geophysical Research, 2009, 114, .	3.3	8