Imen Gherboudj

List of Publications by Year
in descending order

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19 papers	561 citations	840728 11 h-index	888047 17 g-index
19 all docs	19 docs citations	19 times ranked	781 citing authors

#	Article	IF	Citations
1	Renewable energy management system for Saudi Arabia: Methodology and preliminary results. Renewable and Sustainable Energy Reviews, 2021, 149, 111334.	16.4	6
2	Simulation of aerosol deposition flux over the Arabian Peninsula with CHIMERE-2017: Sensitivity to different dry deposition schemes. Atmospheric Research, 2020, 241, 104949.	4.1	3
3	Detection of algal blooms over optically complex waters of the Arabian Gulf and Sea of Oman using MODIS fluorescence data. International Journal of Remote Sensing, 2019, 40, 3751-3771.	2.9	6
4	Prediction of the day-ahead clear-sky downwelling surface solar irradiances using the REST2 model and WRF-CHIMERE simulations over the Arabian Peninsula. Solar Energy, 2018, 162, 36-44.	6.1	14
5	Simulation and analysis of synoptic scale dust storms over the Arabian Peninsula. Atmospheric Research, 2018, 199, 62-81.	4.1	59
6	Identifying natural dust source regions over the Middle-East and North-Africa: Estimation of dust emission potential. Earth-Science Reviews, 2017, 165, 342-355.	9.1	70
7	Improved atmospheric correction and chlorophyll-a remote sensing models for turbid waters in a dusty environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 133, 46-60.	11.1	23
8	Geospatial assessment of solar energy potential for utility scale parabolic trough collector power plant in Saudi Arabia. AIP Conference Proceedings, 2017, , .	0.4	3
9	In situ spectral response of the Arabian Gulf and Sea of Oman coastal waters to bio-optical properties. Journal of Photochemistry and Photobiology B: Biology, 2017, 175, 235-243.	3.8	8
10	Satellites-Based Monitoring of Harmful Algal Blooms for Sustainable Desalination. , 2017, , 341-366.		2
11	Simulating aerosols over Arabian Peninsula with CHIMERE: Sensitivity to soil, surface parameters and anthropogenic emission inventories. Atmospheric Environment, 2016, 128, 185-197.	4.1	25
12	Assessment of solar energy potential over the United Arab Emirates using remote sensing and weather forecast data. Renewable and Sustainable Energy Reviews, 2016, 55, 1210-1224.	16.4	72
13	Dust emission parameterization scheme over the MENA region: Sensitivity analysis to soil moisture and soil texture. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,915-10,938.	3.3	20
14	Spatiotemporal assessment of dust loading over the United Arab Emirates. International Journal of Climatology, 2014, 34, 3321-3335.	3.5	29
15	An overview of historical harmful algae blooms outbreaks in the Arabian Seas. Marine Pollution Bulletin, 2014, 86, 314-324.	5.0	91
16	Artificial neural network based model for retrieval of the direct normal, diffuse horizontal and global horizontal irradiances using SEVIRI images. Solar Energy, 2013, 89, 1-16.	6.1	59
17	The effect of soil moisture and wind speed on aerosol optical thickness retrieval in a desert environment using SEVIRI thermal channels. International Journal of Remote Sensing, 2013, 34, 5054-5071.	2.9	6
18	Validation of SMOS Data Over Agricultural and Boreal Forest Areas in Canada. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1623-1635.	6.3	62

#	Article	IF	Citations
19	Temporal-spatial analysis of chlorophyll concentration associated with dust and wind characteristics in the Arabian Gulf. , 2012, , .		3