

Abdelgadir Abuelgasim

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

975
citations

623734

14
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

1157
citing authors

#	ARTICLE	IF	CITATIONS
1	Inversion methods for physically based models. International Journal of Remote Sensing, 2000, 18, 381-439.	1.0	248
2	A method for detecting large-scale forest cover change using coarse spatial resolution imagery. Remote Sensing of Environment, 2005, 95, 414-427.	11.0	83
3	Change Detection Using Adaptive Fuzzy Neural Networks. Remote Sensing of Environment, 1999, 70, 208-223.	11.0	71
4	Evaluation of national and global LAI products derived from optical remote sensing instruments over Canada. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1872-1884.	6.3	71
5	Classification of ASAS multiangle and multispectral measurements using artificial neural networks. Remote Sensing of Environment, 1996, 57, 79-87.	11.0	69
6	Forward and inverse modelling of canopy directional reflectance using a neural network. International Journal of Remote Sensing, 1998, 19, 453-471.	2.9	47
7	Mapping soil salinity in arid and semi-arid regions using Landsat 8 OLI satellite data. Remote Sensing Applications: Society and Environment, 2019, 13, 415-425.	1.5	47
8	Modeling bidirectional radiance measurements collected by the advanced Solid-State Array Spectroradiometer (ASAS) over Oregon transect conifer forests. Remote Sensing of Environment, 1994, 47, 261-275.	11.0	42
9	Evaluation of algorithms for fire detection and mapping across North America from satellite. Journal of Geophysical Research, 2003, 108, .	3.3	32
10	Investigations on PM10, PM2.5, and Their Ratio over the Emirate of Abu Dhabi, United Arab Emirates. Earth Systems and Environment, 2020, 4, 763-775.	6.2	21
11	Postnatal morphology and functional capacity of the kidney following prenatal treatment with dinoseb in rats. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1980, 6, 633-643.	2.3	19
12	Interannual changes of active fire detectability in North America from long-term records of the advanced very high resolution radiometer. Journal of Geophysical Research, 2003, 108, .	3.3	19
13	Aerosol optical depth retrieval over the city of Abu Dhabi, United Arab Emirates (UAE) using Landsat-8 OLI images. Atmospheric Pollution Research, 2019, 10, 1075-1083.	3.8	19
14	Effect of dust loadings, meteorological conditions, and local emissions on aerosol mixing and loading variability over highly urbanized semiarid countries: United Arab Emirates case study. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 199, 105215.	1.6	19
15	Role of atmospheric nutrient pollution in stimulating phytoplankton growth in small area and shallow depth water bodies: Arabian Gulf and the sea of Oman. Atmospheric Environment, 2019, 219, 117045.	4.1	15
16	Development of a dynamic dust source map for NMME-DREAM v1.0 model based on MODIS Normalized Difference Vegetation Index (NDVI) over the Arabian Peninsula. Geoscientific Model Development, 2019, 12, 979-988.	3.6	15
17	Retrieval of monthly maximum and minimum air temperature using MODIS aqua land surface temperature data over the United Arab Emirates. Geocarto International, 2022, 37, 2996-3013.	3.5	14
18	Leaf area index mapping in northern Canada. International Journal of Remote Sensing, 2011, 32, 5059-5076.	2.9	13

#	ARTICLE	IF	CITATIONS
19	Monitoring of land surface subsidence using persistent scatterer interferometry techniques and ground truth data in arid and semi-arid regions, the case of Remah, UAE. <i>Science of the Total Environment</i> , 2021, 776, 145946.	8.0	13
20	Sentinel-MSI and Landsat-OLI Data Quality Characterization for High Temporal Frequency Monitoring of Soil Salinity Dynamic in an Arid Landscape. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2434-2450.	4.9	12
21	Long-Term Aerosol Trends and Variability over Central Saudi Arabia Using Optical Characteristics from Solar Village AERONET Measurements. <i>Atmosphere</i> , 2019, 10, 752.	2.3	11
22	Effects of aerosols on lightning activity over the Arabian Peninsula. <i>Atmospheric Research</i> , 2021, 261, 105723.	4.1	10
23	Day and night-time active fire detection over North America using NOAA-16 AVHRR data. , 0, , .		9
24	Analytical and numerical model of spiral inductors on high resistivity silicon substrates. <i>Solid-State Electronics</i> , 2014, 93, 43-48.	1.4	8
25	A reasoned bibliography on SAR interferometry applications and outlook on big interferometric data processing. <i>Remote Sensing Applications: Society and Environment</i> , 2020, 19, 100358.	1.5	7
26	Fully Interactive and Refined Resolution Simulations of the Martian Dust Cycle by the MarsWRF Model. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006253.	3.6	7
27	Effects of the June 2018 Global Dust Storm on the Atmospheric Composition of the Martian Upper Atmosphere as Observed by MAVEN. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006868.	3.6	7
28	Urban Form and Travel Behavior as Tools to Assess Sustainable Transportation in the Greater Toronto Area. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2015, 141, .	1.7	6
29	Characterizing Dustâ€™Radiation Feedback and Refining the Horizontal Resolution of the MarsWRF Model Down to 0.5 Degree. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006672.	3.6	6
30	Land surface deformation monitoring in the Al-Ain arid region (UAE) using microgravity and SAR interferometry surveys. <i>Environmental Research</i> , 2022, 212, 113505.	7.5	5
31	Effect of cloud seeding on aerosol properties and particulate matter variability in the United Arab Emirates. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 951-968.	3.5	4
32	Classification of multiangle and multispectral ASAS data using a hybrid neural network model. , 0, , .		2
33	Scientific innovations from the Mars aerosol optical depth based on satellite data with a temporal resolution of hours. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	2
34	Use of multi-temporal remotely sensed data for monitoring land reclamation in Sudbury, Ontario (Canada). , 0, , .		1
35	Monitoring environmental remediation: Hyperspectral mapping of re-vegetated areas affected by smelting operations in sudbury, Canada. , 2010, , .		1
36	Retrieval of canopy structural parameters from multiangle observations using an artificial neural network. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Investigations of the seasonal and inter-annual variations of phytoplankton blooms in the Arabian Gulf using satellite data. , 2014, , .		0
38	Spatiotemporal variations and long term trends analysis of aerosol optical depth over the United Arab Emirates. Remote Sensing Applications: Society and Environment, 2021, 23, 100532.	1.5	0
39	Thermal structure anomalies in eastern Abu Dhabi from remote sensing and geophysics. , 2020, , .		0
40	Land Surface Movement Driven by Groundwater Dynamics. , 2022, , .		0