

# Abdelghani Boudhar

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,227  
citations

430442

18  
h-index

395343

33  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1001  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative analysis of different phenological information retrieved from Sentinel-2 time series images to improve crop classification: a machine learning approach. <i>Geocarto International</i> , 2022, 37, 1426-1449.	1.7	26
2	Sensitivity analysis of CN using SCS-CN approach, rain gauges and TRMM satellite data assessment into HEC-HMS hydrological model in the upper basin of Oum Er Rbia, Morocco. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 4707-4729.	1.9	7
3	Snow hydrology in the Moroccan Atlas Mountains. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101101.	1.0	7
4	When climate variability partly compensates for groundwater depletion: An analysis of the GRACE signal in Morocco. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101177.	1.0	5
5	An integrated methodology for surface soil moisture estimating using remote sensing data approach. <i>Geocarto International</i> , 2021, 36, 1443-1458.	1.7	10
6	Monitoring spatial variability and trends of wheat grain yield over the main cereal regions in Morocco: a remote-based tool for planning and adjusting policies. <i>Geocarto International</i> , 2021, 36, 2303-2322.	1.7	23
7	Multiscale drought monitoring and comparison using remote sensing in a Mediterranean arid region: a case study from west-central Morocco. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	29
8	Classification and status monitoring of agricultural crops in central Morocco: a synergistic combination of OBIA approach and fused Landsat-Sentinel-2 data. <i>Journal of Applied Remote Sensing</i> , 2021, 15, .	0.6	7
9	Mapping and Characterization of Phenological Changes over Various Farming Systems in an Arid and Semi-Arid Region Using Multitemporal Moderate Spatial Resolution Data. <i>Remote Sensing</i> , 2021, 13, 578.	1.8	12
10	Deep Learning-Based Spatiotemporal Fusion Approach for Producing High-Resolution NDVI Time-Series Datasets. <i>Canadian Journal of Remote Sensing</i> , 2021, 47, 182-197.	1.1	9
11	Assessment of MERRA-2 and ERA5 to Model the Snow Water Equivalent in the High Atlas (1981â€“2019). <i>Water (Switzerland)</i> , 2021, 13, 890.	1.2	9
12	MODIS Does Not Capture the Spatial Heterogeneity of Snow Cover Induced by Solar Radiation. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	9
13	Climate change impacts on surface water resources in the Oued El Abid basin, Morocco. <i>Hydrological Sciences Journal</i> , 2021, 66, 2132-2145.	1.2	13
14	Using SAR Data to Detect Wheat Irrigation Supply in an Irrigated Semi-arid Area. <i>Journal of Agricultural Science</i> , 2021, 11, 21.	0.1	5
15	National-Scale Cropland Mapping Based on Phenological Metrics, Environmental Covariates, and Machine Learning on Google Earth Engine. <i>Remote Sensing</i> , 2021, 13, 4378.	1.8	21
16	Snow Lapse Rate Changes in the Atlas Mountain in Morocco Based on MODIS Time Series during the Period 2000â€“2016. <i>Remote Sensing</i> , 2021, 13, 3370.	1.8	9
17	Surface Runoff and Drought Assessment Using Global Water Resources Datasets - from Oum Er Rbia Basin to the Moroccan Country Scale. <i>Water Resources Management</i> , 2020, 34, 2117-2133.	1.9	14
18	Spatiotemporal monitoring of surface soil moisture using optical remote sensing data: a case study in a semi-arid area. <i>Journal of Spatial Science</i> , 2020, 65, 481-499.	1.0	25

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19	Hydrological Response to Snow Cover Changes Using Remote Sensing over the Oum Er Rbia Upstream Basin, Morocco. <i>Advances in Science, Technology and Innovation</i> , 2020, , 95-102.	0.2	9
20	Sensitivity and Interdependency Analysis of the HBV Conceptual Model Parameters in a Semi-Arid Mountainous Watershed. <i>Water (Switzerland)</i> , 2020, 12, 2440.	1.2	16
21	A modelling approach to assess technology effect on wheat farms performance in semi-arid areas. <i>International Journal of Productivity and Quality Management</i> , 2020, 30, 561.	0.1	1
22	Remote monitoring of agricultural systems using NDVI time series and machine learning methods: a tool for an adaptive agricultural policy. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	18
23	Spatial assessment of losses in wheat production value: A need for an innovative approach to guide risk management policies. <i>Remote Sensing Applications: Society and Environment</i> , 2020, 18, 100300.	0.8	4
24	Bridging the gap of perception is the only way to align soil protection actions. <i>Science of the Total Environment</i> , 2020, 718, 137421.	3.9	27
25	Analysis and trends of rainfall amounts and extreme events in the Western Mediterranean region. <i>Theoretical and Applied Climatology</i> , 2020, 141, 309-320.	1.3	31
26	A modelling approach to assess the effect of technology on wheat farms performance in semi-arid areas. <i>International Journal of Productivity and Quality Management</i> , 2020, 1, 1.	0.1	0
27	Identifying Agricultural Systems Using SVM Classification Approach Based on Phenological Metrics in a Semi-arid Region of Morocco. <i>Earth Systems and Environment</i> , 2019, 3, 277-288.	3.0	31
28	The Performance of Random Forest Classification Based on Phenological Metrics Derived from Sentinel-2 and Landsat 8 to Map Crop Cover in an Irrigated Semi-arid Region. <i>Remote Sensing in Earth Systems Sciences</i> , 2019, 2, 208-224.	1.1	50
29	Derivation of air temperature of agricultural areas of Morocco from remotely land surface temperature based on the updated Köppen-Geiger climate classification. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 1883-1892.	1.9	10
30	Trend analysis of rainfall and drought over the Oum Er-Rbia River Basin in Morocco during 1970â€“2010. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	67
31	Farming systems monitoring using machine learning and trend analysis methods based on fitted NDVI time series data in a semi-arid region of Morocco. , 2019, , .		5
32	Combining Use of TRMM and Ground Observations of Annual Precipitations for Meteorological Drought Trends Monitoring in Morocco. <i>American Journal of Remote Sensing</i> , 2019, 7, 25.	0.5	13
33	Evaluating the potential of Sentinel-2 satellite images for water quality characterization of artificial reservoirs: The Bin El Ouidane Reservoir case study (Morocco). <i>Meteorology Hydrology and Water Management</i> , 2019, 7, .	0.4	10
34	Support Irrigation Water Management of Cereals Using Optical Remote Sensing and Modeling in a Semi-Arid Region. <i>Advances in Geospatial Technologies Book Series</i> , 2019, , 124-145.	0.1	3
35	Modélisation pluie-débit et analyse du régime d'un bassin versant semi-aride sous influence nivale. Cas du bassin versant du Rheraya (Haut Atlas, Maroc). <i>Houille Blanche</i> , 2018, 104, 49-62.	0.3	14
36	Performance of temperature and radiation index models for point-scale snow water equivalent (SWE) simulations in the Moroccan High Atlas Mountains. <i>Hydrological Sciences Journal</i> , 2018, 63, 1844-1862.	1.2	17

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37	Comparative approach of three popular intrinsic vulnerability methods: case of the Beni Amir groundwater (Morocco). <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	6
38	Different sensitivities of snowpacks to warming in Mediterranean climate mountain areas. <i>Environmental Research Letters</i> , 2017, 12, 074006.	2.2	73
39	Evaluation of TRMM 3B42 V7 Rainfall Product over the Oum Er Rbia Watershed in Morocco. <i>Climate</i> , 2017, 5, 1.	1.2	112
40	Linkages between snow cover, temperature and rainfall and the North Atlantic Oscillation over Morocco. <i>Climate Research</i> , 2016, 69, 229-238.	0.4	15
41	Assessment of daily MODIS snow cover products to monitor snow cover dynamics over the Moroccan Atlas mountain range. <i>Remote Sensing of Environment</i> , 2015, 160, 72-86.	4.6	95
42	Remote Sensing of Water Resources in Semi-Arid Mediterranean Areas: the joint international laboratory TREMA. <i>International Journal of Remote Sensing</i> , 2015, 36, 4879-4917.	1.3	74
43	Spatial distribution of the air temperature in mountainous areas using satellite thermal infra-red data. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 32-42.	0.4	21
44	Integrated modelling of the water cycle in semi arid watersheds based on ground and satellite data: the SudMed project. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
45	Long-term analysis of snow-covered area in the Moroccan High-Atlas through remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010, 12, S109-S115.	1.4	37
46	Evaluation of the Snowmelt Runoff Model in the Moroccan High Atlas Mountains using two snow-cover estimates. <i>Hydrological Sciences Journal</i> , 2009, 54, 1094-1113.	1.2	98
47	An integrated modelling and remote sensing approach for hydrological study in arid and semi-Éarid regions: the SUDMED Programme. <i>International Journal of Remote Sensing</i> , 2008, 29, 5161-5181.	1.3	109
48	Energy fluxes and melt rate of a seasonal snow cover in the Moroccan High Atlas. <i>Hydrological Sciences Journal</i> , 0, , 1-13.	1.2	18
49	New simplification into NSF-WQI index to asses El Abid River water quality - Morocco. , 0, 204, 59-68.		1