Rachid Lhissou

List of Publications by Year
in descending order

24 papers	506 citations	933447 10 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	643 citing authors

#	Article	IF	Citations
1	Comparison of Landsat-8, ASTER and Sentinel 1 satellite remote sensing data in automatic lineaments extraction: A case study of Sidi Flah-Bouskour inlier, Moroccan Anti Atlas. Advances in Space Research, 2017, 60, 2355-2367.	2.6	129
2	Spatiotemporal monitoring of soil salinization in irrigated Tadla Plain (Morocco) using satellite spectral indices. International Journal of Applied Earth Observation and Geoinformation, 2016, 50, 64-73.	2.8	86
3	Recent advances in the use of public domain satellite imagery for mineral exploration: A review of Landsat-8 and Sentinel-2 applications. Ore Geology Reviews, 2020, 117, 103332.	2.7	46
4	Flood risk mapping for direct damage to residential buildings in Quebec, Canada. International Journal of Disaster Risk Reduction, 2019, 33, 44-54.	3.9	43
5	Mapping soil salinity in irrigated land using optical remote sensing data. Eurasian Journal of Soil Science, 2014, 3, 82.	0.6	33
6	Soil Salinity Characterization Using Polarimetric InSAR Coherence: Case Studies in Tunisia and Morocco. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3823-3832.	4.9	27
7	Crop type mapping from pansharpened Landsat 8 NDVI data: A case of a highly fragmented and intensive agricultural system. Remote Sensing Applications: Society and Environment, 2018, 11, 94-103.	1.5	24
8	A novel index for assessment of riparian strip efficiency in agricultural landscapes using high spatial resolution satellite imagery. Science of the Total Environment, 2018, 644, 1439-1451.	8.0	23
9	Characterization and dynamics of agroforestry landscape using geospatial techniques and field survey: a case study in central High-Atlas (Morocco). Agroforestry Systems, 2016, 90, 965-978.	2.0	15
10	Ice jam formation, breakup and prediction methods based on hydroclimatic data using artificial intelligence: A review. Cold Regions Science and Technology, 2020, 174, 103032.	3.5	14
11	Assessment of the image-based atmospheric correction of multispectral satellite images for geological mapping in arid and semi-arid regions. Remote Sensing Applications: Society and Environment, 2020, 20, 100420.	1.5	11
12	The use of spectral and geomorphometric data for water erosion mapping in El Ksiba region in the central High Atlas Mountains of Morocco. Applied Geomatics, 2014, 6, 159-169.	2.5	10
13	Convolutional neural network and long short-term memory models for ice-jam predictions. Cryosphere, 2022, 16, 1447-1468.	3.9	10
14	An improved algorithm for mapping burnt areas in the Mediterranean forest landscape of Morocco. Journal of Forestry Research, 2019, 30, 981-992.	3.6	9
15	New Sensitivity Indices of a 2D Flood Inundation Model Using Gauss Quadrature Sampling. Geosciences (Switzerland), 2019, 9, 220.	2.2	5
16	Mapping crop based on phenological characteristics using time-series NDVI of operational land imager data in Tadla irrigated perimeter, Morocco. Proceedings of SPIE, 2015, , .	0.8	4
17	Assessment of the benefit of a single sentinel-2 satellite image to small crop parcels mapping. Geocarto International, 2022, 37, 7398-7414.	3.5	4
18	Evaluate the Effect of Topographic Factors and Lithology on Forest Cover Distribution: a Case Study of the Moroccan High Atlas. Environmental Modeling and Assessment, 2021, 26, 787-801.	2.2	3

#	Article	IF	Citations
19	Remote Retrieval of Suspended Particulate Matter in Inland Waters: Image-Based or Physical Atmospheric Correction Models?. Water (Switzerland), 2021, 13, 2149.	2.7	3
20	Spatiotemporal monitoring of low water turbidity in Moroccan coastal lagoon using Sentinel-2 data. Remote Sensing Applications: Society and Environment, 2022, 26, 100772.	1.5	3
21	How Accurate Is an Unmanned Aerial Vehicle Data-Based Model Applied on Satellite Imagery for Chlorophyll-a Estimation in Freshwater Bodies?. Remote Sensing, 2021, 13, 1134.	4.0	1
22	The Potential of Using Radarsat-2 Satellite Image for Modeling and Mapping Wheat Yield in a Semiarid Environment. Agriculture (Switzerland), 2022, 12, 315.	3.1	1
23	Assessment of radarsat-1, ALOS PALSAR and sentinel-1 SAR satellite images for geological lineament mapping. Geocarto International, 2024, 37, 15530-15547.	3.5	1
24	Wheat Water Deficit Monitoring Using Synthetic Aperture Radar Backscattering Coefficient and Interferometric Coherence. Agriculture (Switzerland), 2022, 12, 1032.	3.1	1