

Ana Teodoro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

994
citations

17
h-index

26
g-index

127
ext. papers

1,436
ext. citations

2.7
avg, IF

5.2
L-index

#	Paper	IF	Citations
100	Stream sediment analysis for Lithium (Li) exploration in the Douro region (Portugal): A comparative study of the spatial interpolation and catchment basin approaches. <i>Journal of Geochemical Exploration</i> , 2022 , 236, 106978	3.8	1
99	Study of the Urban Heat Island (UHI) Using Remote Sensing Data/Techniques: A Systematic Review. <i>Environments - MDPI</i> , 2021 , 8, 105	3.2	10
98	Tools for Remote Exploration: A Lithium (Li) Dedicated Spectral Library of the Fregeneda-Almendra Aplite-Pegmatite Field. <i>Data</i> , 2021 , 6, 33	2.3	4
97	GIS Open-Source Plugins Development: A 10-Year Bibliometric Analysis on Scientific Literature. <i>Geomatics</i> , 2021 , 1, 206-245		2
96	An Open Source GIS Application for Spatial Assessment of Health Care Quality Indicators. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 264	2.9	2
95	Comparing Hydric Erosion Soil Loss Models in Rainy Mountainous and Dry Flat Regions in Portugal. <i>Land</i> , 2021 , 10, 554	3.5	3
94	An Integrated Multi-Approach to Environmental Monitoring of a Self-Burning Coal Waste Pile: The Sã Pedro da Cova Mine (Porto, Portugal) Study Case. <i>Environments - MDPI</i> , 2021 , 8, 48	3.2	3
93	QVigourMap: A GIS Open Source Application for the Creation of Canopy Vigour Maps. <i>Agronomy</i> , 2021 , 11, 952	3.6	4
92	Ecological niche models improve home range estimations. <i>Journal of Zoology</i> , 2021 , 313, 145-157	2	6
91	GIS-Based Expert Knowledge for Landslide Susceptibility Mapping (LSM): Case of Mostaganem Coast District, West of Algeria. <i>Sustainability</i> , 2021 , 13, 630	3.6	20
90	Application of remote sensing data in gold exploration: targeting hydrothermal alteration using Landsat 8 imagery in northern Portugal. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	10
89	Comparative analysis of QGIS plugins for Web Maps creation. <i>Granja</i> , 2021 , 34, 8-26	1.1	1
88	Interpretation of the Reflectance Spectra of Lithium (Li) Minerals and Pegmatites: A Case Study for Mineralogical and Lithological Identification in the Fregeneda-Almendra Area. <i>Remote Sensing</i> , 2021 , 13, 3688	5	4
87	Lithium Potential Mapping Using Artificial Neural Networks: A Case Study from Central Portugal. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1046	2.4	5
86	Detecting Lithium (Li) Mineralizations from Space: Current Research and Future Perspectives. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1785	2.6	14
85	Reflectance spectroscopy to validate remote sensing data/algorithms for satellite-based lithium (Li) exploration (Central East Portugal) 2020 ,		2
84	Characterization of lithium (Li) minerals from the Fregeneda-Almendra region through laboratory spectral measurements: a comparative study 2020 ,		3

83	Spatial estimation of chronic respiratory diseases based on machine learning procedures an approach using remote sensing data and environmental variables in Quito, Ecuador. <i>Applied Geography</i> , 2020 , 123, 102273	4.4	9
82	Geospatial Analysis of Environmental Atmospheric Risk Factors in Neurodegenerative Diseases: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
81	Semi-Automatization of Support Vector Machines to Map Lithium (Li) Bearing Pegmatites. <i>Remote Sensing</i> , 2020 , 12, 2319	5	18
80	Serological Evidence of Exposure among Patients with Unknown Fever Origin in Angola, 2016-2017. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2020 , 2020, 4905783	1.7	
79	Performance of Remotely Sensed Soil Moisture for Temporal and Spatial Analysis of Rainfall over São Francisco River Basin, Brazil. <i>Geosciences (Switzerland)</i> , 2019 , 9, 144	2.7	4
78	Urban Ecosystem Services Quantification through Remote Sensing Approach: A Systematic Review. <i>Environments - MDPI</i> , 2019 , 6, 51	3.2	11
77	A Statistical and Spatial Analysis of Portuguese Forest Fires in Summer 2016 Considering Landsat 8 and Sentinel 2A Data. <i>Environments - MDPI</i> , 2019 , 6, 36	3.2	29
76	Integration of Sentinel-1 and Sentinel-2 for Classification and LULC Mapping in the Urban Area of Belém, Eastern Brazilian Amazon. <i>Sensors</i> , 2019 , 19,	3.8	62
75	Spatial estimation of surface ozone concentrations in Quito Ecuador with remote sensing data, air pollution measurements and meteorological variables. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 155	3.1	14
74	An Open Source GIS-Based Application for the Assessment of Groundwater Vulnerability to Pollution. <i>Environments - MDPI</i> , 2019 , 6, 86	3.2	13
73	Assessment of Remote Sensing Data to Model PM10 Estimation in Cities with a Low Number of Air Quality Stations: A Case of Study in Quito, Ecuador. <i>Environments - MDPI</i> , 2019 , 6, 85	3.2	21
72	Constraints and potentials of remote sensing data/techniques applied to lithium (Li)-pegmatites. <i>Canadian Mineralogist</i> , 2019 , 57, 723-725	0.7	6
71	Evaluating the performance of support vector machines (SVMs) and random forest (RF) in Li-pegmatite mapping: preliminary results 2019 ,		2
70	Remote sensing techniques to detect areas with potential for lithium exploration in Minas Gerais, Brazil 2019 ,		2
69	A semi-automatic approach to derive land cover classification in soil loss models 2019 ,		1
68	Comparing different techniques of satellite imagery classification to mineral mapping pegmatite of Muiane and Naipa: Mozambique) 2019 ,		1
67	Machine Learning Algorithms for Automatic Lithological Mapping Using Remote Sensing Data: A Case Study from Souk Arbaa Sahel, Sidi Ifni Inlier, Western Anti-Atlas, Morocco. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 248	2.9	27
66	Improving NDVI by removing cirrus clouds with optical remote sensing data from Landsat-8 [A case study in Quito, Ecuador. <i>Remote Sensing Applications: Society and Environment</i> , 2019 , 13, 257-274	2.8	10

65	Remote sensing data in lithium (Li) exploration: A new approach for the detection of Li-bearing pegmatites. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019 , 76, 10-25	7.3	29
64	Modeling and mapping of soil salinity in Tafilalet plain (Morocco). <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	12
63	A Hybrid CA-ANN-Fuzzy Model for Simulating Coastal Changing Patterns. <i>Coastal Research Library</i> , 2018 , 197-217	0.4	3
62	Assessment of Potential Impacts in Tourism of the Increase in the Average Sea Level. <i>Coastal Research Library</i> , 2018 , 349-371	0.4	1
61	Spatially Explicit Models in Local Dynamics Analysis: The Potential Natural Vegetation (PNV) as a Tool for Beach and Coastal Management. <i>Coastal Research Library</i> , 2018 , 159-177	0.4	2
60	Remote Sensing Data and Image Classification Algorithms in the Identification of Beach Patterns. <i>Coastal Research Library</i> , 2018 , 579-587	0.4	3
59	QPhenoMetrics: An open source software application to assess vegetation phenology metrics. <i>Computers and Electronics in Agriculture</i> , 2018 , 148, 82-94	6.5	30
58	Processing Image to Geographical Information Systems (PI2GIS) A Learning Tool for QGIS. <i>Education Sciences</i> , 2018 , 8, 83	2.2	7
57	Development of a QGIS Plugin to Obtain Parameters and Elements of Plantation Trees and Vineyards with Aerial Photographs. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 109	2.9	16
56	Unmanned Aerial Systems (UAS) for environmental applications special issue preface. <i>International Journal of Remote Sensing</i> , 2018 , 39, 4845-4851	3.1	13
55	Potential of Sentinel-2 data in the detection of lithium (Li)-bearing pegmatites: a study case 2018 ,		8
54	Comparison of satellite remote sensing data in the retrieve of PM10 air pollutant over Quito, Ecuador 2018 ,		1
53	Land Use/Land Cover (LULC) Using Landsat Data Series (MSS, TM, ETM+ and OLI) in Azrou Forest, in the Central Middle Atlas of Morocco. <i>Environments - MDPI</i> , 2018 , 5, 131	3.2	66
52	Mapping Forest Species in the Central Middle Atlas of Morocco (Azrou Forest) through Remote Sensing Techniques. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 275	2.9	14
51	Remote Sensing in Human Health: A 10-Year Bibliometric Analysis. <i>Remote Sensing</i> , 2017 , 9, 1225	5	29
50	Open-source GIS application for UAV photogrammetry based on MicMac. <i>International Journal of Remote Sensing</i> , 2017 , 38, 3181-3202	3.1	14
49	ECOAL Project Delivering Solutions for Integrated Monitoring of Coal-Related Fires Supported on Optical Fiber Sensing Technology. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 956	2.6	5
48	Estimating Invasion Success by Non-Native Trees in a National Park Combining WorldView-2 Very High Resolution Satellite Data and Species Distribution Models. <i>Diversity</i> , 2017 , 9, 6	2.5	11

47	Distributed Temperature Measurement in a Self-Burning Coal Waste Pile through a GIS Open Source Desktop Application. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 87	2.9	5
46	Evaluation of automatic cloud removal method for high elevation areas in Landsat 8 OLI images to improve environmental indexes computation 2017 ,		1
45	Evaluation of forest fires in Portugal Mainland during 2016 summer considering different satellite datasets 2017 ,		2
44	Breakwater control system and structural analysis: physical and numerical modelling (Port of Funchal, Madeira Island, Portugal). <i>Journal of Coastal Conservation</i> , 2016 , 20, 455-468	1.9	
43	Analyzing land surface temperature variations during Fogo Island (Cape Verde) 2014-2015 eruption with Landsat 8 images 2016 ,		2
42	Spatio-temporal analysis of preterm birth in Portugal and its relation with environmental variables 2016 ,		1
41	An easy, accurate and efficient procedure to create forest fire risk maps using the SEXTANTE plugin Modeler. <i>Journal of Forestry Research</i> , 2016 , 27, 1361-1372	2	8
40	Port Infrastructure Control (Madeira Island, Portugal) through a Hybrid Monitoring System (GNSS and Accelerometers). <i>Marine Georesources and Geotechnology</i> , 2016 , 34, 617-629	2.2	3
39	Comparison of performance of object-based image analysis techniques available in open source software (Spring and Orfeo Toolbox/Monteverdi) considering very high spatial resolution data. <i>Journal of Applied Remote Sensing</i> , 2016 , 10, 016011	1.4	36
38	Criterion definition for the identification of physical-geographical boundaries of Khorezm oasis through remotely sensed data. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 35	3.1	5
37	Radio Astronomy Demonstrator: Assessment of the Appropriate Sites through a GIS Open Source Application. <i>ISPRS International Journal of Geo-Information</i> , 2016 , 5, 209	2.9	10
36	Optical Satellite Remote Sensing of the Coastal Zone Environment [An Overview 2016 ,		7
35	Remote Sensing Technologies for the Assessment of Marine and Coastal Ecosystems. <i>Coastal Research Library</i> , 2016 , 69-104	0.4	5
34	Assessing soil erosion risk using RUSLE through a GIS open source desktop and web application. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 351	3.1	36
33	A dynamic map application for the assessment of groundwater vulnerability to pollution. <i>Environmental Earth Sciences</i> , 2015 , 74, 2315-2327	2.9	17
32	Applicability of data mining algorithms in the identification of beach features/patterns on high-resolution satellite data. <i>Journal of Applied Remote Sensing</i> , 2015 , 9, 095095	1.4	8
31	An integrated and open source GIS environmental management system for a protected area in the south of Portugal 2015 ,		1
30	A study on the quality of the vegetation index obtained from MODIS data 2015 ,		1

29	The applicability of FORMOSAT-2 images to coastal waters/bodies classification 2015 ,		1
28	Morphological and statistical analysis of the impact of breakwaters under construction on a sand spit area (Douro River estuary). <i>Journal of Coastal Conservation</i> , 2014 , 18, 177-191	1.9	8
27	An investigation of the environmental determinants of asthma hospitalizations: An applied spatial approach. <i>Applied Geography</i> , 2014 , 47, 10-19	4.4	32
26	Exploration of the OBIA methods available in SPRING noncommercial software to UAV data processing 2014 ,		5
25	Evaluation of remote sensing data potential in the geological exploration of Freixeda area (Mirandela, Portugal): a preliminary study 2014 ,		1
24	Assessing Groundwater Vulnerability to Pollution through the DRASTIC Method. <i>Lecture Notes in Computer Science</i> , 2014 , 386-400	0.9	3
23	Deriving phenological metrics from NDVI through an open source tool developed in QGIS 2014 ,		2
22	Forest fire risk maps: a GIS open source application in a case study in Norwest of Portugal. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 699-720	4.1	49
21	The use of decision trees in the classification of beach forms/patterns on IKONOS-2 data 2013 ,		1
20	Correlation between the habitats productivity and species richness (amphibians and reptiles) in Portugal through remote sensed data 2013 ,		1
19	A Semi-Automatic Approach for the Extraction of Sandy Bodies (Sand Spits) From IKONOS-2 Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012 , 5, 634-642	4.7	12
18	Identification, Characterization and Analysis of the Douro River Plume From MERIS Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012 , 5, 1553-1563	4.7	4
17	CHAIR: automatic image registration based on correlation and Hough transform. <i>International Journal of Remote Sensing</i> , 2012 , 33, 7936-7968	3.1	18
16	Performance of commercial and open source remote sensing/image processing software for land cover/use purposes 2012 ,		3
15	Coastal morphodynamic features/patterns analysis through a video-based system and image processing 2012 ,		2
14	Extraction of Estuarine/Coastal Environmental Bodies from Satellite Data through Image Segmentation Techniques 2011 ,		2
13	Spatio-temporal variability analysis of the Douro River plume through MERIS data for one hydrological year 2011 ,		3
12	Beach Hydromorphological Analysis Through Remote Sensing. <i>Journal of Coastal Research</i> , 2011 , 61, 44-51	0.6	2

11	Identification of beach hydromorphological patterns/forms through image classification techniques applied to remotely sensed data. <i>International Journal of Remote Sensing</i> , 2011 , 32, 7399-7422 ^{3,1}		16
10	Land use/land cover changes and flooding surface estimation in Alqueva (Portugal) using 18 years of Landsat data 2011 ,		1
9	Modeling of the Douro River Plume Size, Obtained Through Image Segmentation of MERIS Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009 , 6, 87-91	4.1	14
8	Beach hydromorphological classification through image classification techniques applied to remotely sensed data 2009 ,		1
7	Statistical Techniques for Correlating Total Suspended Matter Concentration with Seawater Reflectance Using Multispectral Satellite Data. <i>Journal of Coastal Research</i> , 2008 , 4, 40-49	0.6	11
6	Correlation Analysis of Water Wave Reflectance and Local TSM Concentrations in the Breaking Zone with Remote Sensing Techniques. <i>Journal of Coastal Research</i> , 2007 , 236, 1491-1497	0.6	8
5	Retrieving TSM Concentration From Multispectral Satellite Data by Multiple Regression and Artificial Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007 , 45, 1342-1350	8.1	32
4	Quantification of the Total Suspended Matter Concentration around the Sea Breaking Zone from In Situ Measurements and Terra/Aster Data. <i>Marine Georesources and Geotechnology</i> , 2007 , 25, 67-80	2.2	13
3	Evaluation of total suspended matter concentration in wave breaking zone using multispectral satellite images 2004 , 5569, 168		
2	Petalite alteration products from the Bajoca pegmatite (Central Portugal): a multiapproach for lithium exploration		2
1	GREENPEG - Exploration for pegmatite minerals to feed the energy transition: First steps towards the Green Stone Age. <i>Geological Society Special Publication</i> , SP526-2021-189	1.7	0