Maria Julia Sanz

List of Publications by Year
in descending order

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38 papers	871 citations	471061 17 h-index	476904 29 g-index
39 all docs	39 docs citations	39 times ranked	846 citing authors

#	Article	IF	Citations
1	Randomization-based machine learning in renewable energy prediction problems: Critical literature review, new results and perspectives. Applied Soft Computing Journal, 2022, 118, 108526.	4.1	29
2	Current landscape attributes and landscape stability in breeding grounds explain genetic differentiation in a longâ€distance migratory bird. Animal Conservation, 2021, 24, 120-134.	1.5	10
3	Regional estimation of garlic yield using crop, satellite and climate data in Mexico. Computers and Electronics in Agriculture, 2021, 181, 105943.	3.7	11
4	New spectral indicator Potato Productivity Index based on Sentinel-2 data to improve potato yield prediction: a machine learning approach. International Journal of Remote Sensing, 2021, 42, 3426-3444.	1.3	7
5	Modelling wheat yield with antecedent information, satellite and climate data using machine learning methods in Mexico. Agricultural and Forest Meteorology, 2021, 300, 108317.	1.9	39
6	A new approach to monitor water quality in the Menor sea (Spain) using satellite data and machine learning methods. Environmental Pollution, 2021, 286, 117489.	3.7	39
7	Prediction of desert locust breeding areas using machine learning methods and SMOS (MIR_SMNRT2) Near Real Time product. Journal of Arid Environments, 2021, 194, 104599.	1.2	13
8	Machine learning approach to predict leaf colour change in Fagus sylvatica L. (Spain). Agricultural and Forest Meteorology, 2021, 310, 108661.	1.9	1
9	Ordinal regression algorithms for the analysis of convective situations over Madrid-Barajas airport. Atmospheric Research, 2020, 236, 104798.	1.8	15
10	Evolutionary artificial neural networks for accurate solar radiation prediction. Energy, 2020, 210, 118374.	4.5	58
11	An Empirical Radiometric Intercomparison Methodology Based on Global Simultaneous Nadir Overpasses Applied to Landsat 8 and Sentinel-2. Remote Sensing, 2020, 12, 2736.	1.8	4
12	Analyzing ice dynamics using Sentinel-1 data at the SolheimajokÃ¼ll Glacier, Iceland. GIScience and Remote Sensing, 2020, 57, 813-829.	2.4	5
13	Estimation of Potato Yield Using Satellite Data at a Municipal Level: A Machine Learning Approach. ISPRS International Journal of Geo-Information, 2020, 9, 343.	1.4	19
14	Persistence Analysis and Prediction of Low-Visibility Events at Valladolid Airport, Spain. Symmetry, 2020, 12, 1045.	1.1	20
15	Analysis and Prediction of Dammed Water Level in a Hydropower Reservoir Using Machine Learning and Persistence-Based Techniques. Water (Switzerland), 2020, 12, 1528.	1.2	28
16	Modelling desert locust presences using 32-year soil moisture data on a large-scale. Ecological Indicators, 2020, 117, 106655.	2.6	23
17	Pasture Loss Indexed Insurance in Chile. SpringerBriefs in Economics, 2020, , 41-59.	0.1	0
18	Potato Yield Prediction Using Machine Learning Techniques and Sentinel 2 Data. Remote Sensing, 2019, 11, 1745.	1.8	87

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19	Desert locust detection using Earth observation satellite data in Mauritania. Journal of Arid Environments, 2019, 164, 29-37.	1.2	32
20	Machine learning regressors for solar radiation estimation from satellite data. Solar Energy, 2019, 183, 768-775.	2.9	93
21	Analysis of Spatial and Temporal Variability in Libya-4 with Landsat 8 and Sentinel-2 Data for Optimized Ground Target Location. Remote Sensing, 2019, 11, 2909.	1.8	3
22	Evaluation of dimensionality reduction methods applied to numerical weather models for solar radiation forecasting. Engineering Applications of Artificial Intelligence, 2018, 69, 157-167.	4.3	32
23	Detecting Areas Vulnerable to Sand Encroachment Using Remote Sensing and GIS Techniques in Nouakchott, Mauritania. Remote Sensing, 2018, 10, 1541.	1.8	12
24	Efficient fog prediction with multi-objective evolutionary neural networks. Applied Soft Computing Journal, 2018, 70, 347-358.	4.1	22
25	Prediction of low-visibility events due to fog using ordinal classification. Atmospheric Research, 2018, 214, 64-73.	1.8	32
26	Decorrelation of Satellite Precipitation Estimates in Space and Time. Remote Sensing, 2018, 10, 752.	1.8	3
27	Machine learning approach to locate desert locust breeding areas based on ESA CCI soil moisture. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	27
28	Merging ELMs with Satellite Data and Clear-Sky Models for Effective Solar Radiation Estimation. Lecture Notes in Computer Science, 2018, , 163-170.	1.0	0
29	A CRO-species optimization scheme for robust global solar radiation statistical downscaling. Renewable Energy, 2017, 111, 63-76.	4.3	28
30	Efficient prediction of total column ozone based on support vector regression algorithms, numerical models and Suomi-satellite data. Atmosfera, 2017, 30, 1-10.	0.3	8
31	Efficient Prediction of Low-Visibility Events at Airports Using Machine-Learning Regression. Boundary-Layer Meteorology, 2017, 165, 349-370.	1.2	29
32	Feature selection in solar radiation prediction using bootstrapped SVRs. , 2016, , .		9
33	A novel Grouping Genetic Algorithmâ€“Extreme Learning Machine approach for global solar radiation prediction from numerical weather models inputs. Solar Energy, 2016, 132, 129-142.	2.9	95
34	Can Eltonian processes explain species distributions at large scale? A case study with Great Bustard (Otis tarda). Diversity and Distributions, 2015, 21, 123-138.	1.9	15
35	An automatic self-learning cloud-filtering algorithm for Meteosat Second Generationâ€“Spinning Enhanced Visible and Infrared Imager. Remote Sensing Letters, 2013, 4, 180-189.	0.6	1
36	Relation between meteorological conditions and the catching of red tuna (Thunnus thynnus) from the measurements of the TOVS and AVHRR sensors of the NOAA satellites. International Journal of Remote Sensing, 2007, 28, 2671-2681.	1.3	4

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37	Rapid response for cloud monitoring through Meteosat VISâ€IR and NOAAâ€“A/TOVS image fusion: civil aviation application. A first approach to MSGâ€SEVIRI. International Journal of Remote Sensing, 2005, 26, 1699-1716.	1.3	10
38	Application of discriminant analysis to interpret the behaviour of photochemical oxidants in an urban area. Atmospheric Environment, 1994, 28, 1147-1157.	1.9	6