

Guido Cervone

List of Publications by Citations

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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.

70
papers

1,697
citations

20
h-index

40
g-index

75
ext. papers

2,034
ext. citations

3.5
avg, IF

5.16
L-index

#	Paper	IF	Citations
70	An analog ensemble for short-term probabilistic solar power forecast. <i>Applied Energy</i> , 2015 , 157, 95-110	10.7	207
69	Outgoing long wave radiation variability from IR satellite data prior to major earthquakes. <i>Tectonophysics</i> , 2007 , 431, 211-220	3.1	163
68	Short-term photovoltaic power forecasting using Artificial Neural Networks and an Analog Ensemble. <i>Renewable Energy</i> , 2017 , 108, 274-286	8.1	135
67	Using Twitter for tasking remote-sensing data collection and damage assessment: 2013 Boulder flood case study. <i>International Journal of Remote Sensing</i> , 2016 , 37, 100-124	3.1	109
66	Optimal bidding in a Day-Ahead energy market for Micro Grid under uncertainty in renewable energy production. <i>Energy</i> , 2016 , 106, 194-202	7.9	100
65	Variability of aerosol optical depth and aerosol forcing over India. <i>Advances in Space Research</i> , 2006 , 37, 2153-2159	2.4	84
64	Improving remote sensing flood assessment using volunteered geographical data. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 669-677	3.9	79
63	Road assessment after flood events using non-authoritative data. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1007-1015	3.9	66
62	Real Time Estimation of the Calgary Floods Using Limited Remote Sensing Data. <i>Water (Switzerland)</i> , 2014 , 6, 381-398	3	45
61	Predictor-weighting strategies for probabilistic wind power forecasting with an analog ensemble. <i>Meteorologische Zeitschrift</i> , 2015 , 24, 361-379	3.1	42
60	Quantifying methane emissions from natural gas production in north-eastern Pennsylvania. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13941-13966	6.8	41
59	A cloud-enabled automatic disaster analysis system of multi-sourced data streams: An example synthesizing social media, remote sensing and Wikipedia data. <i>Computers, Environment and Urban Systems</i> , 2017 , 66, 23-37	5.9	37
58	Enhancing the temporal resolution of satellite-based flood extent generation using crowdsourced data for disaster monitoring. <i>International Journal of Remote Sensing</i> , 2018 , 39, 1459-1474	3.1	35
57	Spatiotemporal event detection: a review. <i>International Journal of Digital Earth</i> , 2020 , 13, 1339-1365	3.9	30
56	Effect of dust storm on ocean color and snow parameters 2007 , 35, 1-9		29
55	Anomalous increase of chlorophyll concentrations associated with earthquakes. <i>Advances in Space Research</i> , 2006 , 37, 671-680	2.4	26
54	Analysis of remote sensing imagery for disaster assessment using deep learning: a case study of flooding event. <i>Soft Computing</i> , 2019 , 23, 13393-13408	3.5	24

53	Generic precursors to coastal earthquakes: Inferences from Denali fault earthquake. <i>Tectonophysics</i> , 2007 , 431, 231-240	3.1	23
52	Further evidence of impacts of large-scale wind farms on land surface temperature. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 6432-6437	16.2	22
51	Algorithm quasi-optimal (AQ) learning. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010 , 2, 218-236	1.4	21
50	Non-Darwinian evolution for the source detection of atmospheric releases. <i>Atmospheric Environment</i> , 2011 , 45, 4497-4506	5.3	20
49	People and Pixels 20 years later: the current data landscape and research trends blending population and environmental data. <i>Population and Environment</i> , 2019 , 41, 209-234	4	20
48	Social Cyber-Security. <i>Lecture Notes in Computer Science</i> , 2018 , 389-394	0.9	20
47	Fusing Heterogeneous Data: A Case for Remote Sensing and Social Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 6956-6968	8.1	19
46	Role of anomalous warm gulf waters in the intensification of Hurricane Katrina. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	19
45	Using Social Media and Satellite Data for Damage Assessment in Urban Areas During Emergencies. <i>Springer Geography</i> , 2017 , 443-457	0.4	18
44	DisasterMapper 2015 ,		18
43	Characterization of atmospheric contaminant sources using adaptive evolutionary algorithms. <i>Atmospheric Environment</i> , 2010 , 44, 3787-3796	5.3	18
42	Monte Carlo source detection of atmospheric emissions and error functions analysis. <i>Computers and Geosciences</i> , 2010 , 36, 902-909	4.5	17
41	An early warning system for coastal earthquakes. <i>Advances in Space Research</i> , 2006 , 37, 636-642	2.4	16
40	Validating Safecast data by comparisons to a U. S. Department of Energy Fukushima Prefecture aerial survey. <i>Journal of Environmental Radioactivity</i> , 2017 , 171, 9-20	2.4	15
39	Using nightlight remote sensing imagery and Twitter data to study power outages 2015 ,		13
38	Comment on Satellite altimetry and the intensification of Hurricane Katrina <i>Eos</i> , 2006 , 87, 89-89	1.5	13
37	Citizen monitoring during hazards: validation of Fukushima radiation measurements. <i>Geo Journal</i> , 2018 , 83, 189-206	2.2	12
36	2018 ,		12

35	Analysis of Desertification in the Upper East Region (UER) of Ghana Using Remote Sensing, Field Study, and Local Knowledge. <i>Cartographica</i> , 2013 , 48, 22-37	0.7	11
34	The Development of the AQ20 Learning System and Initial Experiments. <i>Advances in Intelligent and Soft Computing</i> , 2001 , 13-29		10
33	Automatic Detection of Volcanic Surface Deformation Using Deep Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019840	3.6	9
32	Integration of Crowdsourced Images, USGS Networks, Remote Sensing, and a Model to Assess Flood Depth during Hurricane Florence. <i>Remote Sensing</i> , 2020 , 12, 834	5	8
31	Supervised machine learning of fused RADAR and optical data for land cover classification. <i>Journal of Applied Remote Sensing</i> , 2012 , 6, 063597	1.4	7
30	Satellite microwave detected SST anomalies and hurricane intensification. <i>Natural Hazards</i> , 2007 , 43, 273-284	3	7
29	A Bayesian-Based Neural Network Model for Solar Photovoltaic Power Forecasting. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 169-177	0.5	7
28	Impact assessment of PM10 cement plants emissions on urban air quality using the SCIPUFF dispersion model. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 499	3.1	7
27	Combined remote-sensing, model, and in situ measurements of sea surface temperature as an aid to recreational navigation: crossing the Gulf Stream. <i>International Journal of Remote Sensing</i> , 2013 , 34, 434-450	3.1	6
26	Speeding Up Evolution through Learning: LEM 2000 , 243-256		6
25	Comparison of simulated radioactive atmospheric releases to citizen science observations for the Fukushima nuclear accident. <i>Atmospheric Environment</i> , 2019 , 198, 478-488	5.3	6
24	Calibration of Safecast dose rate measurements. <i>Journal of Environmental Radioactivity</i> , 2018 , 190-191, 51-65	2.4	6
23	Supervised classification of civil air patrol (CAP). <i>Natural Hazards</i> , 2017 , 86, 535-556	3	5
22	Damage Assessment of the 2011 Japanese Tsunami Using High-Resolution Satellite Data. <i>Cartographica</i> , 2011 , 46, 200-203	0.7	5
21	Ensemble modeling of transport and dispersion simulations guided by machine learning hypotheses generation. <i>Computers and Geosciences</i> , 2012 , 48, 267-279	4.5	4
20	Multifractal character of surface latent heat flux. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 371, 703-718	3.3	4
19	Characterizing and Predicting Traffic Accidents in Extreme Weather Environments. <i>Professional Geographer</i> , 2017 , 69, 126-137	1.7	3
18	Source Term Estimation for the 2011 Fukushima Nuclear Accident 2014 , 49-64		3

17	Dynamically Optimized Unstructured Grid (DOUG) for Analog Ensemble of numerical weather predictions using evolutionary algorithms. <i>Computers and Geosciences</i> , 2019 , 133, 104299	4.5	2
16	The case of arsenic contamination in the Sardinian Geopark, Italy, analyzed using symbolic machine learning. <i>Environmetrics</i> , 2013 , 24, n/a-n/a	1.3	2
15	Assessment of error in air quality models using dynamic time warping 2010 ,		2
14	Using Long Short-Term Memory (LSTM) and Internet of Things (IoT) for Localized Surface Temperature Forecasting in an Urban Environment. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
13	Analysing the influence of African dust storms on the prevalence of coral disease in the Caribbean Sea using remote sensing and association rule data mining. <i>International Journal of Remote Sensing</i> , 2017 , 38, 1494-1521	3.1	1
12	Source Reconstruction of Atmospheric Releases with Limited Meteorological Observations Using Genetic Algorithms. <i>Applied Artificial Intelligence</i> , 2017 , 31, 119-133	2.3	1
11	Combined approach of a couple fire model with atmospheric releases: the case of the 2003 Glacier wildfires. <i>European Journal of Remote Sensing</i> , 2014 , 47, 181-193	2.9	1
10	Spatiotemporal Modeling and Monitoring of Atmospheric Hazardous Emissions Using Sensor Networks 2009 ,		1
9	Risk Assessment of Atmospheric Hazard Releases Using K-Means Clustering 2008 ,		1
8	A new hourly dataset for photovoltaic energy production for the continental USA.. <i>Data in Brief</i> , 2022 , 40, 107824	1.2	1
7	Probabilistic forecasting using deep generative models. <i>Geoinformatica</i> , 2021 , 25, 127-147	2.5	1
6	Assessing boundary condition and parametric uncertainty in numerical-weather-prediction-modeled, long-term offshore wind speed through machine learning and analog ensemble. <i>Wind Energy Science</i> , 2021 , 6, 1363-1377	3.2	0
5	Analysis of Emergent Selection Pressure in Evolutionary Algorithm and Machine Learner Offspring Filtering Hybrids. <i>Lecture Notes in Computer Science</i> , 2012 , 721-728	0.9	
4	Response to critique of article "Calibration of Safecast dose rate measurements". <i>Journal of Environmental Radioactivity</i> , 2019 , 197, 129	2.4	
3	NAM-NMM Temperature Downscaling Using Personal Weather Stations to Study Urban Heat Hazards. <i>GeoHazards</i> , 2021 , 2, 257-276	2.3	
2	A Machine Learning Approach for Mining the Multidimensional Impact of Urban Form on Community Scale Energy Consumption in Cities 2022 , 607-624		
1	A Bayesian Approach to Estimate the Spatial Distribution of Crowdsourced Radiation Measurements around Fukushima. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 822	2.9	