Guido Cervone

List of Publications by Year in Descending Order

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	A new hourly dataset for photovoltaic energy production for the continental USA.. *Data in Brief*, **2022**, 40, 107824	1.2	1
69	A Machine Learning Approach for Mining the Multidimensional Impact of Urban Form on Community Scale Energy Consumption in Cities **2022**, 607-624		
68	Assessing boundary condition and parametric uncertainty in numerical-weather-prediction-modeled, long-term offshore wind speed through machine learning and analog ensemble. *Wind Energy Science*, **2021**, 6, 1363-1377	3.2	0
67	Probabilistic forecasting using deep generative models. *GeoInformatica*, **2021**, 25, 127-147	2.5	1
66	NAM-NMM Temperature Downscaling Using Personal Weather Stations to Study Urban Heat Hazards. *GeoHazards*, **2021**, 2, 257-276	2.3	
65	Using Long Short-Term Memory (LSTM) and Internet of Things (IoT) for Localized Surface Temperature Forecasting in an Urban Environment. *IEEE Access*, **2021**, 1-1	3.5	2
64	A Bayesian Approach to Estimate the Spatial Distribution of Crowdsourced Radiation Measurements around Fukushima. *ISPRS International Journal of Geo-Information*, **2021**, 10, 822	2.9	
63	Spatiotemporal event detection: a review. *International Journal of Digital Earth*, **2020**, 13, 1339-1365	3.9	30
62	Automatic Detection of Volcanic Surface Deformation Using Deep Learning. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB019840	3.6	9
61	Integration of Crowdsourced Images, USGS Networks, Remote Sensing, and a Model to Assess Flood Depth during Hurricane Florence. *Remote Sensing*, **2020**, 12, 834	5	8
60	Analysis of remote sensing imagery for disaster assessment using deep learning: a case study of flooding event. *Soft Computing*, **2019**, 23, 13393-13408	3.5	24
59	Dynamically Optimized Unstructured Grid (DOUG) for Analog Ensemble of numerical weather predictions using evolutionary algorithms. *Computers and Geosciences*, **2019**, 133, 104299	4.5	2
58	People and Pixels 20 years later: the current data landscape and research trends blending population and environmental data. *Population and Environment*, **2019**, 41, 209-234	4	20
57	Response to critique of article "Calibration of Safecast dose rate measurements". *Journal of Environmental Radioactivity*, **2019**, 197, 129	2.4	
56	Comparison of simulated radioactive atmospheric releases to citizen science observations for the Fukushima nuclear accident. *Atmospheric Environment*, **2019**, 198, 478-488	5.3	6
55	Citizen monitoring during hazards: validation of Fukushima radiation measurements. *Geo Journal*, **2018**, 83, 189-206	2.2	12
54	Fusing Heterogeneous Data: A Case for Remote Sensing and Social Media. *IEEE Transactions on Geoscience and Remote Sensing*, **2018**, 56, 6956-6968	8.1	19

53	Enhancing the temporal resolution of satellite-based flood extent generation using crowdsourced data for disaster monitoring. *International Journal of Remote Sensing*, **2018**, 39, 1459-1474	3.1	35
52	**2018**,		12
51	Calibration of Safecast dose rate measurements. *Journal of Environmental Radioactivity*, **2018**, 190-191, 51-65	2.4	6
50	Social Cyber-Security. *Lecture Notes in Computer Science*, **2018**, 389-394	0.9	20
49	Characterizing and Predicting Traffic Accidents in Extreme Weather Environments. *Professional Geographer*, **2017**, 69, 126-137	1.7	3
48	Validating Safecast data by comparisons to a U. S. Department of Energy Fukushima Prefecture aerial survey. *Journal of Environmental Radioactivity*, **2017**, 171, 9-20	2.4	15
47	Short-term photovoltaic power forecasting using Artificial Neural Networks and an Analog Ensemble. *Renewable Energy*, **2017**, 108, 274-286	8.1	135
46	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. *International Journal of Remote Sensing*, **2017**, 38, 1494-1521	3.1	1
45	Source Reconstruction of Atmospheric Releases with Limited Meteorological Observations Using Genetic Algorithms. *Applied Artificial Intelligence*, **2017**, 31, 119-133	2.3	1
44	A cloud-enabled automatic disaster analysis system of multi-sourced data streams: An example synthesizing social media, remote sensing and Wikipedia data. *Computers, Environment and Urban Systems*, **2017**, 66, 23-37	5.9	37
43	Supervised classification of civil air patrol (CAP). *Natural Hazards*, **2017**, 86, 535-556	3	5
42	Using Social Media and Satellite Data for Damage Assessment in Urban Areas During Emergencies. *Springer Geography*, **2017**, 443-457	0.4	18
41	Quantifying methane emissions from natural gas production in north-eastern Pennsylvania. *Atmospheric Chemistry and Physics*, **2017**, 17, 13941-13966	6.8	41
40	Using Twitter for tasking remote-sensing data collection and damage assessment: 2013 Boulder flood case study. *International Journal of Remote Sensing*, **2016**, 37, 100-124	3.1	109
39	A Bayesian-Based Neural Network Model for Solar Photovoltaic Power Forecasting. *Smart Innovation, Systems and Technologies*, **2016**, 169-177	0.5	7
38	Optimal bidding in a Day-Ahead energy market for Micro Grid under uncertainty in renewable energy production. *Energy*, **2016**, 106, 194-202	7.9	100
37	Impact assessment of PM10 cement plants emissions on urban air quality using the SCIPUFF dispersion model. *Environmental Monitoring and Assessment*, **2016**, 188, 499	3.1	7
36	An analog ensemble for short-term probabilistic solar power forecast. *Applied Energy*, **2015**, 157, 95-110	10.7	207

35   DisasterMapper **2015**,   18

34   Using nightlight remote sensing imagery and Twitter data to study power outages **2015**,   13

33   Predictor-weighting strategies for probabilistic wind power forecasting with an analog ensemble. *Meteorologische Zeitschrift*, **2015**, 24, 361-379   3.1   42

32   Combined approach of a couple fire model with atmospheric releases: the case of the 2003 Glacier wildfires. *European Journal of Remote Sensing*, **2014**, 47, 181-193   2.9   1

31   Real Time Estimation of the Calgary Floods Using Limited Remote Sensing Data. *Water (Switzerland)*, **2014**, 6, 381-398   3   45

30   Road assessment after flood events using non-authoritative data. *Natural Hazards and Earth System Sciences*, **2014**, 14, 1007-1015   3.9   66

29   Source Term Estimation for the 2011 Fukushima Nuclear Accident **2014**, 49-64   3

28   Combined remote-sensing, model, and in situ measurements of sea surface temperature as an aid to recreational navigation: crossing the Gulf Stream. *International Journal of Remote Sensing*, **2013**, 34, 434-450   3.1   6

27   The case of arsenic contamination in the Sardinian Geopark, Italy, analyzed using symbolic machine learning. *Environmetrics*, **2013**, 24, n/a-n/a   1.3   2

26   Analysis of Desertification in the Upper East Region (UER) of Ghana Using Remote Sensing, Field Study, and Local Knowledge. *Cartographica*, **2013**, 48, 22-37   0.7   11

25   Improving remote sensing flood assessment using volunteered geographical data. *Natural Hazards and Earth System Sciences*, **2013**, 13, 669-677   3.9   79

24   Ensemble modeling of transport and dispersion simulations guided by machine learning hypotheses generation. *Computers and Geosciences*, **2012**, 48, 267-279   4.5   4

23   Further evidence of impacts of large-scale wind farms on land surface temperature. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 6432-6437   16.2   22

22   Supervised machine learning of fused RADAR and optical data for land cover classification. *Journal of Applied Remote Sensing*, **2012**, 6, 063597   1.4   7

21   Analysis of Emergent Selection Pressure in Evolutionary Algorithm and Machine Learner Offspring Filtering Hybrids. *Lecture Notes in Computer Science*, **2012**, 721-728   0.9

20   Non-Darwinian evolution for the source detection of atmospheric releases. *Atmospheric Environment*, **2011**, 45, 4497-4506   5.3   20

19   Damage Assessment of the 2011 Japanese Tsunami Using High-Resolution Satellite Data. *Cartographica*, **2011**, 46, 200-203   0.7   5

18   Characterization of atmospheric contaminant sources using adaptive evolutionary algorithms. *Atmospheric Environment*, **2010**, 44, 3787-3796   5.3   18

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17	Monte Carlo source detection of atmospheric emissions and error functions analysis. *Computers and Geosciences*, **2010**, 36, 902-909	4.5	17
16	Algorithm quasi-optimal (AQ) learning. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2010**, 2, 218-236	1.4	21
15	Assessment of error in air quality models using dynamic time warping **2010**,		2
14	Spatiotemporal Modeling and Monitoring of Atmospheric Hazardous Emissions Using Sensor Networks **2009**,		1
13	Risk Assessment of Atmospheric Hazard Releases Using K-Means Clustering **2008**,		1
12	Effect of dust storm on ocean color and snow parameters **2007**, 35, 1-9		29
11	Satellite microwave detected SST anomalies and hurricane intensification. *Natural Hazards*, **2007**, 43, 273-284	3	7
10	Generic precursors to coastal earthquakes: Inferences from Denali fault earthquake. *Tectonophysics* , **2007**, 431, 231-240	3.1	23
9	Outgoing long wave radiation variability from IR satellite data prior to major earthquakes. *Tectonophysics*, **2007**, 431, 211-220	3.1	163
8	Variability of aerosol optical depth and aerosol forcing over India. *Advances in Space Research*, **2006** , 37, 2153-2159	2.4	84
7	Comment on Satellite altimetry and the intensification of Hurricane Katrina *Eos*, **2006**, 87, 89-89	1.5	13
6	Role of anomalous warm gulf waters in the intensification of Hurricane Katrina. *Geophysical Research Letters*, **2006**, 33,	4.9	19
5	An early warning system for coastal earthquakes. *Advances in Space Research*, **2006**, 37, 636-642	2.4	16
4	Anomalous increase of chlorophyll concentrations associated with earthquakes. *Advances in Space Research*, **2006**, 37, 671-680	2.4	26
3	Multifractal character of surface latent heat flux. *Physica A: Statistical Mechanics and Its Applications* , **2006**, 371, 703-718	3.3	4
2	The Development of the AQ20 Learning System and Initial Experiments. *Advances in Intelligent and Soft Computing*, **2001**, 13-29		10
1	Speeding Up Evolution through Learning: LEM **2000**, 243-256		6