Guido Cervone

List of Publications by Year in descending order

71 papers	2,362 citations	279487 23 h-index	214527 47 g-index
75 all docs	75 docs citations	75 times ranked	2734 citing authors

#	ARTICLE	IF	CITATIONS
1	An analog ensemble for short-term probabilistic solar power forecast. Applied Energy, 2015, 157, 95-110.	5.1	274
2	Outgoing long wave radiation variability from IR satellite data prior to major earthquakes. Tectonophysics, 2007, 431, 211-220.	0.9	234
3	Short-term photovoltaic power forecasting using Artificial Neural Networks and an Analog Ensemble. Renewable Energy, 2017, 108, 274-286.	4.3	198
4	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.	1.3	151
5	Optimal bidding in a Day-Ahead energy market for Micro Grid under uncertainty in renewable energy production. Energy, 2016, 106, 194-202.	4.5	125
6	Variability of aerosol optical depth and aerosol forcing over India. Advances in Space Research, 2006, 37, 2153-2159.	1.2	99
7	Improving remote sensing flood assessment using volunteered geographical data. Natural Hazards and Earth System Sciences, 2013, 13, 669-677.	1.5	99
8	Road assessment after flood events using non-authoritative data. Natural Hazards and Earth System Sciences, 2014, 14, 1007-1015.	1.5	90
9	Real Time Estimation of the Calgary Floods Using Limited Remote Sensing Data. Water (Switzerland), 2014, 6, 381-398.	1.2	57
10	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.	1.3	57
11	Spatiotemporal event detection: a review. International Journal of Digital Earth, 2020, 13, 1339-1365.	1.6	57
12	Predictor-weighting strategies for probabilistic wind power forecasting with an analog ensemble. Meteorologische Zeitschrift, 2015, 24, 361-379.	0.5	54
13	Quantifying methane emissions from natural gas production in north-eastern Pennsylvania. Atmospheric Chemistry and Physics, 2017, 17, 13941-13966.	1.9	54
14	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.	3.3	51
15	Analysis of remote sensing imagery for disaster assessment using deep learning: a case study of flooding event. Soft Computing, 2019, 23, 13393-13408.	2.1	44
16	Fusing Heterogeneous Data: A Case for Remote Sensing and Social Media. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6956-6968.	2.7	37
17	Effect of dust storm on ocean color and snow parameters. Journal of the Indian Society of Remote Sensing, 2007, 35, 1-9.	1.2	35
18	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.	1.3	35

#	Article	IF	Citations
19	Anomalous increase of chlorophyll concentrations associated with earthquakes. Advances in Space Research, 2006, 37, 671-680.	1.2	31
20	Algorithm quasiâ€optimal (AQ) learning. Wiley Interdisciplinary Reviews: Computational Statistics, 2010, 2, 218-236.	2.1	29
21	Further evidence of impacts of large-scale wind farms on land surface temperature. Renewable and Sustainable Energy Reviews, 2012, 16, 6432-6437.	8.2	29
22	Social Cyber-Security. Lecture Notes in Computer Science, 2018, , 389-394.	1.0	28
23	Generic precursors to coastal earthquakes: Inferences from Denali fault earthquake. Tectonophysics, 2007, 431, 231-240.	0.9	26
24	Harnessing the Power of Many: Extensible Toolkit for Scalable Ensemble Applications. , 2018, , .		26
25	Non-Darwinian evolution for the source detection of atmospheric releases. Atmospheric Environment, 2011, 45, 4497-4506.	1.9	25
26	DisasterMapper. , 2015, , .		25
27	Role of anomalous warm gulf waters in the intensification of Hurricane Katrina. Geophysical Research Letters, 2006, 33, .	1.5	23
28	Automatic Detection of Volcanic Surface Deformation Using Deep Learning. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019840.	1.4	22
29	An early warning system for coastal earthquakes. Advances in Space Research, 2006, 37, 636-642.	1.2	21
30	Using Social Media and Satellite Data for Damage Assessment in Urban Areas During Emergencies. Springer Geography, 2017, , 443-457.	0.3	21
31	Characterization of atmospheric contaminant sources using adaptive evolutionary algorithms. Atmospheric Environment, 2010, 44, 3787-3796.	1.9	20
32	Monte Carlo source detection of atmospheric emissions and error functions analysis. Computers and Geosciences, 2010, 36, 902-909.	2.0	20
33	Citizen monitoring during hazards: validation of Fukushima radiation measurements. Geo Journal, 2018, 83, 189-206.	1.7	19
34	Using nightlight remote sensing imagery and Twitter data to study power outages. , 2015, , .		18
35	Comment on â€œSatellite altimetry and the intensification of Hurricane Katrinaâ€. Eos, 2006, 87, 89-89.	0.1	17
36	Validating Safecast data by comparisons to a U. S. Department of Energy Fukushima Prefecture aerial survey. Journal of Environmental Radioactivity, 2017, 171, 9-20.	0.9	16

#	Article	IF	Citations
37	Using Long Short-Term Memory (LSTM) and Internet of Things (IoT) for Localized Surface Temperature Forecasting in an Urban Environment. IEEE Access, 2021, 9, 137406-137418.	2.6	16
38	The Development of the AQ20 Learning System and Initial Experiments. Advances in Intelligent and Soft Computing, 2001, , 13-29.	0.2	16
39	Integration of Crowdsourced Images, USGS Networks, Remote Sensing, and a Model to Assess Flood Depth during Hurricane Florence. Remote Sensing, 2020, 12, 834.	1.8	15
40	Analysis of Desertification in the Upper East Region (UER) of Ghana Using Remote Sensing, Field Study, and Local Knowledge. Cartographica, 2013, 48, 22-37.	0.2	13
41	A Bayesian-Based Neural Network Model for Solar Photovoltaic Power Forecasting. Smart Innovation, Systems and Technologies, 2016, , 169-177.	0.5	12
42	Supervised machine learning of fused RADAR and optical data for land cover classification. Journal of Applied Remote Sensing, 2012, 6, 063597.	0.6	10
43	Impact assessment of PM10 cement plants emissions on urban air quality using the SCIPUFF dispersion model. Environmental Monitoring and Assessment, 2016, 188, 499.	1.3	10
44	Satellite microwave detected SST anomalies and hurricane intensification. Natural Hazards, 2007, 43, 273-284.	1.6	8
45	Dynamically Optimized Unstructured Grid (DOUG) for Analog Ensemble of numerical weather predictions using evolutionary algorithms. Computers and Geosciences, 2019, 133, 104299.	2.0	8
46	Comparison of simulated radioactive atmospheric releases to citizen science observations for the Fukushima nuclear accident. Atmospheric Environment, 2019, 198, 478-488.	1.9	8
47	Speeding Up Evolution through Learning: LEM. , 2000, , 243-256.		8
48	Calibration of Safecast dose rate measurements. Journal of Environmental Radioactivity, 2018, 190-191, 51-65.	0.9	7
49	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.	1.3	6
50	Probabilistic forecasting using deep generative models. GeoInformatica, 2021, 25, 127-147.	2.0	6
51	Damage Assessment of the 2011 Japanese Tsunami Using High-Resolution Satellite Data. Cartographica, 2011, 46, 200-203.	0.2	5
52	Supervised classification of civil air patrol (CAP). Natural Hazards, 2017, 86, 535-556.	1.6	5
53	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.	1.2	5
54	Multifractal character of surface latent heat flux. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 703-718.	1.2	4

#	Article	IF	Citations
55	Risk Assessment of Atmospheric Hazard Releases Using K-Means Clustering. , 2008, , .		4
56	Ensemble modeling of transport and dispersion simulations guided by machine learning hypotheses generation. Computers and Geosciences, 2012, 48, 267-279.	2.0	4
57	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.	1.3	4
58	The case of arsenic contamination in the Sardinian Geopark, Italy, analyzed using symbolic machine learning. Environmetrics, 2013, 24, 400-406.	0.6	3
59	Characterizing and Predicting Traffic Accidents in Extreme Weather Environments. Professional Geographer, 2017, 69, 126-137.	1.0	3
60	A new hourly dataset for photovoltaic energy production for the continental USA. Data in Brief, 2022, 40, 107824.	0.5	3
61	Source Reconstruction of Atmospheric Releases with Limited Meteorological Observations Using Genetic Algorithms. Applied Artificial Intelligence, 2017, 31, 119-133.	2.0	2
62	Assessment of error in air quality models using dynamic time warping. , 2010, , .		2
63	Spatiotemporal Modeling and Monitoring of Atmospheric Hazardous Emissions Using Sensor Networks. , 2009, , .		1
64	Atmospheric releases during the 2003 glacier wildfires: Mapping, analysis and modeling. , 2012, , .		1
65	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.	1.7	1
66	NAM-NMM Temperature Downscaling Using Personal Weather Stations to Study Urban Heat Hazards. GeoHazards, 2021, 2, 257-276.	0.8	1
67	Source detection of atmospheric releases using symbolic machine learning classification and remote sensing. , 2009, , .		0
68	Bidding strategy of a microgrid in the deregulated electricity market. , 2015, , .		0
69	Response to critique of article "Calibration of Safecast dose rate measurements". Journal of Environmental Radioactivity, 2019, 197, 129.	0.9	0
70	Analysis of Emergent Selection Pressure in Evolutionary Algorithm and Machine Learner Offspring Filtering Hybrids. Lecture Notes in Computer Science, 2012, , 721-728.	1.0	0
71	A Bayesian Approach to Estimate the Spatial Distribution of Crowdsourced Radiation Measurements around Fukushima. ISPRS International Journal of Geo-Information, 2021, 10, 822.	1.4	0