

Tommaso Caloiero

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

2,460
citations

201575

27
h-index

233338

45
g-index

93
all docs

93
docs citations

93
times ranked

2167
citing authors

#	ARTICLE	IF	CITATIONS
1	Trend detection of annual and seasonal rainfall in Calabria (Southern Italy). <i>International Journal of Climatology</i> , 2011, 31, 44-56.	1.5	160
2	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017, 5, 953-965.	2.4	156
3	Analysis of daily and monthly rainfall concentration in Southern Italy (Calabria region). <i>Journal of Hydrology</i> , 2012, 416-417, 145-156.	2.3	137
4	Precipitation variability and change in the Calabria region (Italy) from a high resolution daily dataset. <i>International Journal of Climatology</i> , 2012, 32, 57-73.	1.5	122
5	Application of the Innovative Trend Analysis Method for the Trend Analysis of Rainfall Anomalies in Southern Italy. <i>Water Resources Management</i> , 2018, 32, 4971-4983.	1.9	104
6	Drought Analysis in Europe and in the Mediterranean Basin Using the Standardized Precipitation Index. <i>Water (Switzerland)</i> , 2018, 10, 1043.	1.2	83
7	Long-term precipitation trend analysis in Europe and in the Mediterranean basin. <i>Water and Environment Journal</i> , 2018, 32, 433-445.	1.0	71
8	Analyses of Drought Events in Calabria (Southern Italy) Using Standardized Precipitation Index. <i>Water Resources Management</i> , 2015, 29, 557-573.	1.9	70
9	Application of several spatial interpolation techniques to monthly rainfall data in the Calabria region (southern Italy). <i>International Journal of Climatology</i> , 2018, 38, 3651-3666.	1.5	68
10	The De Martonne aridity index in Calabria (Southern Italy). <i>Journal of Maps</i> , 2019, 15, 788-796.	1.0	65
11	Precipitation change in Southern Italy linked to global scale oscillation indexes. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 1683-1694.	1.5	61
12	Influence of the North Atlantic Oscillation on winter rainfall in Calabria (southern Italy). <i>Theoretical and Applied Climatology</i> , 2013, 114, 479-494.	1.3	59
13	Evaluation of rainfall trends in the South Island of New Zealand through the innovative trend analysis (ITA). <i>Theoretical and Applied Climatology</i> , 2020, 139, 493-504.	1.3	56
14	Trend of monthly temperature and daily extreme temperature during 1951-2012 in New Zealand. <i>Theoretical and Applied Climatology</i> , 2017, 129, 111-127.	1.3	52
15	Analysis of daily rainfall concentration in New Zealand. <i>Natural Hazards</i> , 2014, 72, 389-404.	1.6	51
16	Spatial and temporal distribution of precipitation in a Mediterranean area (southern Italy). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	50
17	Spatial and temporal patterns of the mean annual precipitation at decadal time scale in southern Italy (Calabria region). <i>Theoretical and Applied Climatology</i> , 2011, 105, 431-444.	1.3	43
18	SPI Trend Analysis of New Zealand Applying the ITA Technique. <i>Geosciences (Switzerland)</i> , 2018, 8, 101.	1.0	43

#	ARTICLE	IF	CITATIONS
19	Spatial and temporal characterization of climate at regional scale using homogeneous monthly precipitation and air temperature data: an application in Calabria (southern Italy). <i>Hydrology Research</i> , 2015, 46, 629-646.	1.1	41
20	Analysis of rainfall trend in New Zealand. <i>Environmental Earth Sciences</i> , 2015, 73, 6297-6310.	1.3	39
21	Analysis of Dry Spells in Southern Italy (Calabria). <i>Water (Switzerland)</i> , 2015, 7, 3009-3023.	1.2	37
22	Trend analysis of monthly mean values and extreme indices of daily temperature in a region of southern Italy. <i>International Journal of Climatology</i> , 2017, 37, 284-297.	1.5	36
23	Trend analysis of significant wave height and energy period in southern Italy. <i>Theoretical and Applied Climatology</i> , 2019, 138, 917-930.	1.3	34
24	Bioclimatic analysis in a region of southern Italy (Calabria). <i>Plant Biosystems</i> , 2016, 150, 1282-1295.	0.8	33
25	Precipitation trend and concentration in the Sardinia region. <i>Theoretical and Applied Climatology</i> , 2019, 137, 297-307.	1.3	32
26	Assessment of drought and its uncertainty in a southern Italy area (Calabria region). <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 113, 205-210.	2.5	30
27	Drought Assessment in the Sardinia Region (Italy) During 1922â€”2011 Using the Standardized Precipitation Index. <i>Pure and Applied Geophysics</i> , 2019, 176, 925-935.	0.8	29
28	The history of rainfall data time-resolution in a wide variety of geographical areas. <i>Journal of Hydrology</i> , 2020, 590, 125258.	2.3	29
29	IMERG-Based Meteorological Drought Analysis over Italy. <i>Climate</i> , 2021, 9, 65.	1.2	29
30	Drought events at different timescales in southern Italy (Calabria). <i>Journal of Maps</i> , 2014, 10, 529-537.	1.0	27
31	Stochastic analysis of long dry spells in Calabria (Southern Italy). <i>Theoretical and Applied Climatology</i> , 2017, 127, 711-724.	1.3	27
32	Validation of Satellite, Reanalysis and RCM Data of Monthly Rainfall in Calabria (Southern Italy). <i>Remote Sensing</i> , 2019, 11, 1625.	1.8	27
33	A proposal for a methodological approach to the characterisation of Widespread Landslide Events: an application to Southern Italy. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 165-173.	1.5	26
34	Drought analysis in New Zealand using the standardized precipitation index. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	24
35	The Innovative Polygon Trend Analysis (IPTA) as a Simple Qualitative Method to Detect Changes in Environmentâ€”Example Detecting Trends of the Total Monthly Precipitation in Semiarid Area. <i>Sustainability</i> , 2021, 13, 12674.	1.6	24
36	Damaging Hydrogeological Events: A Procedure for the Assessment of Severity Levels and an Application to Calabria (Southern Italy). <i>Water (Switzerland)</i> , 2014, 6, 3652-3670.	1.2	23

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37	Analysis of damaging hydrogeological events in a Mediterranean region (Calabria). Journal of Hydrology, 2016, 541, 510-522.	2.3	22
38	Spatial and temporal variability of daily precipitation concentration in the Sardinia region (Italy). International Journal of Climatology, 2019, 39, 5006-5021.	1.5	22
39	Assessment of seasonal and annual rainfall trend in Calabria (southern Italy) with the ITA method. Journal of Hydroinformatics, 2020, 22, 738-748.	1.1	22
40	Spatial uncertainty assessment in modelling reference evapotranspiration at regional scale. Hydrology and Earth System Sciences, 2010, 14, 2319-2327.	1.9	19
41	A stochastic model for the analysis of the temporal change of dry spells. Stochastic Environmental Research and Risk Assessment, 2015, 29, 143-155.	1.9	19
42	An Analysis of the Occurrence Probabilities of Wet and Dry Periods through a Stochastic Monthly Rainfall Model. Water (Switzerland), 2016, 8, 39.	1.2	19
43	Annual and seasonal trend detection of significant wave height, energy period and wave power in the Mediterranean Sea. Ocean Engineering, 2022, 243, 110322.	1.9	19
44	Trends in the Daily Precipitation Categories of Calabria (Southern Italy). Procedia Engineering, 2016, 162, 32-38.	1.2	18
45	Geochemical Characterization of Spring Waters in the Crati River Basin, Calabria (Southern Italy). Geofluids, 2019, 2019, 1-16.	0.3	17
46	A Homogeneous Dataset for Rainfall Trend Analysis in the Calabria Region (Southern Italy). Water (Switzerland), 2020, 12, 2541.	1.2	17
47	Sensitivity to desertification of a high productivity area in Southern Italy. Journal of Maps, 2016, 12, 573-581.	1.0	15
48	Spatial and Temporal Analysis of Dry and Wet Spells in the Wadi Cheliff Basin, Algeria. Atmosphere, 2021, 12, 798.	1.0	15
49	Forecasting of SPI and SRI Using Multiplicative ARIMA under Climate Variability in a Mediterranean Region: Wadi Ouahrane Basin, Algeria. Climate, 2022, 10, 36.	1.2	14
50	Combining stochastic models of air temperature and vapour pressure for the analysis of the bioclimatic comfort through the Humidex. Scientific Reports, 2020, 10, 11395.	1.6	13
51	Meteorological and Hydrological Drought Risk Assessment Using Multi-Dimensional Copulas in the Wadi Ouahrane Basin in Algeria. Water (Switzerland), 2022, 14, 653.	1.2	13
52	Analysis of Monthly Rainfall Trend in Calabria (Southern Italy) through the Application of Statistical and Graphical Techniques. Proceedings (mdpi), 2018, 2, 629.	0.2	12
53	Analysis of the Spatiotemporal Annual Rainfall Variability in the Wadi Cheliff Basin (Algeria) over the Period 1970 to 2018. Water (Switzerland), 2021, 13, 1477.	1.2	12
54	A stochastic model for the analysis of maximum daily temperature. Theoretical and Applied Climatology, 2017, 130, 275-289.	1.3	11

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55	Occurrence Probabilities of Wet and Dry Periods in Southern Italy through the SPI Evaluated on Synthetic Monthly Precipitation Series. <i>Water (Switzerland)</i> , 2018, 10, 336.	1.2	11
56	Phytoclimatic map of Calabria (Southern Italy). <i>Journal of Maps</i> , 2014, 10, 109-113.	1.0	10
57	The Long-Term ERA5 Data Series for Trend Analysis of Rainfall in Italy. <i>Hydrology</i> , 2022, 9, 18.	1.3	10
58	The "Piano dell'Acqua" sinkholes (San Basile, Northern Calabria, Italy). <i>Bulletin of Engineering Geology and the Environment</i> , 2016, 75, 37-52.	1.6	9
59	Can ICZM Contribute to the Mitigation of Erosion and of Human Activities Threatening the Natural and Cultural Heritage of the Coastal Landscape of Calabria?. <i>Sustainability</i> , 2021, 13, 1122.	1.6	9
60	Trend Detection of Wave Parameters along the Italian Seas. <i>Water (Switzerland)</i> , 2021, 13, 1634.	1.2	9
61	Temporal Analysis of Rainfall Categories in Southern Italy (Calabria Region). <i>Environmental Processes</i> , 2017, 4, 113-124.	1.7	8
62	Analysis of the Characteristics of Dry and Wet Spells in a Mediterranean Region. <i>Environmental Processes</i> , 2020, 7, 691-701.	1.7	8
63	Climate change assessment: seasonal and annual temperature analysis trends in the Sardinia region (Italy). <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	8
64	Civil protection and Damaging Hydrogeological Events: comparative analysis of the 2000 and 2015 events in Calabria (southern Italy). <i>Advances in Geosciences</i> , 0, 44, 101-113.	12.0	7
65	Results of a long-term study on an experimental watershed in southern Italy. <i>Forum Geografic</i> , 2016, XV, 55-65.	0.3	7
66	Comparative Analysis of Different Spatial Interpolation Methods Applied to Monthly Rainfall as Support for Landscape Management. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9566.	1.3	7
67	Analysis of temporal and spatial rainfall variability over the Wadi Sly basin, Algeria. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	6
68	Characterization of the 2017 Summer Heat Waves and Their Effects on the Population of an Area of Southern Italy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 970.	1.2	5
69	A Stochastic Approach for the Analysis of Long Dry Spells with Different Threshold Values in Southern Italy. <i>Water (Switzerland)</i> , 2019, 11, 2026.	1.2	4
70	TRMM-based rainfall temporal analysis over Italy. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	4
71	A sub-regional approach to the influence analysis of teleconnection patterns on precipitation in Calabria (southern Italy). <i>International Journal of Climatology</i> , 2021, 41, 4574-4586.	1.5	4
72	Validation metrics of homogenization techniques on artificially inhomogenized monthly temperature networks in Sweden and Slovenia (1950-2005). <i>Scientific Reports</i> , 2021, 11, 18288.	1.6	4

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73	Vulnerability to Nitrate Occurrence in the Spring Waters of the Sila Massif (Calabria, Southern Italy). <i>Toxics</i> , 2022, 10, 137.	1.6	4
74	Hydrological Hazard: Analysis and Prevention. <i>Geosciences</i> (Switzerland), 2018, 8, 389.	1.0	3
75	The Role of Water-Rock Interaction Processes in Soil Formation: Geochemical, Mineralogical, Geomorphological, and Engineering-Geological Aspects. <i>Geofluids</i> , 2019, 2019, 1-4.	0.3	3
76	A combined stochastic analysis of mean daily temperature and diurnal temperature range. <i>Theoretical and Applied Climatology</i> , 2019, 135, 1349-1359.	1.3	3
77	A Gridded Database for the Spatiotemporal Analysis of Rainfall in Southern Italy (Calabria Region). <i>Environmental Sciences Proceedings</i> , 2020, 2, .	0.3	3
78	Temporal Variability of Temperature Extremes in the Sardinia Region (Italy). <i>Hydrology</i> , 2020, 7, 55.	1.3	3
79	Changes of Significant Wave Height, Energy Period and Wave Power in Italy in the Period 1979â€“2018. <i>Environmental Sciences Proceedings</i> , 2020, 2, .	0.3	3
80	Trend Analysis of Rainfall Using Gridded Data over a Region of Southern Italy. <i>Water</i> (Switzerland), 2021, 13, 2271.	1.2	3
81	Environmental Estimation of Radiation Equivalent Dose Rates in Soils and Waters of Northern Calabria (Italy). <i>Geofluids</i> , 2021, 2021, 1-8.	0.3	2
82	Impact of Infiltration Process Modeling on Runoff Simulations: The Bonis River Basin. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	1
83	Integration of Forest Growth Component in the FEST-WB Distributed Hydrological Model: The Bonis Catchment Case Study. <i>Forests</i> , 2021, 12, 1794.	0.9	1
84	Annual Precipitation Variability in Semi-Arid Area: The Wadi Cheliff Case Study, Algeria. <i>Environmental Science and Engineering</i> , 2021, , 923-927.	0.1	0
85	Municipal wastewater sludge rheology: impact of temperature, solid content and settling solids. <i>Water Environment Research</i> , 2021, , .	1.3	0
86	Integrated Coastal Zone Management of Natura 2000 and cultural heritage sites in Calabrian coastal landscape (Southern Italy). <i>Proceedings E Report</i> , 0, , 338-347.	0.0	0