Enrico Scoccimarro

List of Publications by Year
in descending order

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80 papers	4,481 citations	126907 33 h-index	110387 64 g-index
104 all docs	104 docs citations	104 times ranked	5443 citing authors

#	Article	IF	Citations
1	High Resolution Model Intercomparison Project (HighResMIPÂv1.0) for CMIP6. Geoscientific Model Development, 2016, 9, 4185-4208.	3.6	643
2	Effects of Tropical Cyclones on Ocean Heat Transport in a High-Resolution Coupled General Circulation Model. Journal of Climate, 2011, 24, 4368-4384.	3.2	296
3	Global Mean Climate and Main Patterns of Variability in the CMCCâ€CM2 Coupled Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 185-209.	3.8	202
4	Changes in Tropical Cyclone Activity due to Global Warming: Results from a High-Resolution Coupled General Circulation Model. Journal of Climate, 2008, 21, 5204-5228.	3.2	173
5	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	3.3	158
6	The CIRCE Simulations: Regional Climate Change Projections with Realistic Representation of the Mediterranean Sea. Bulletin of the American Meteorological Society, 2013, 94, 65-81.	3.3	147
7	Impact of Model Resolution on Tropical Cyclone Simulation Using the HighResMIPâ€“PRIMAVERA Multimodel Ensemble. Journal of Climate, 2020, 33, 2557-2583.	3.2	141
8	Heavy Precipitation Events in a Warmer Climate: Results from CMIP5 Models. Journal of Climate, 2013, 26, 7902-7911.	3.2	125
9	Projections of global changes in precipitation extremes from Coupled Model Intercomparison Project Phase 5 models. Geophysical Research Letters, 2013, 40, 4887-4892.	4.0	120
10	Projected Future Changes in Tropical Cyclones Using the CMIP6 HighResMIP Multimodel Ensemble. Geophysical Research Letters, 2020, 47, e2020GL088662.	4.0	119
11	Characteristics of tropical cyclones in highâ€resolution models in the present climate. Journal of Advances in Modeling Earth Systems, 2014, 6, 1154-1172.	3.8	111
12	The Benefits of Global High Resolution for Climate Simulation: Process Understanding and the Enabling of Stakeholder Decisions at the Regional Scale. Bulletin of the American Meteorological Society, 2018, 99, 2341-2359.	3.3	107
13	Sensitivity of Tropical Cyclone Rainfall to Idealized Global-Scale Forcings*. Journal of Climate, 2014, 27, 4622-4641.	3.2	98
14	Sea-ice algal phenology in a warmer Arctic. Science Advances, 2019, 5, eaav4830.	10.3	87
15	Tracking Scheme Dependence of Simulated Tropical Cyclone Response to Idealized Climate Simulations. Journal of Climate, 2014, 27, 9197-9213.	3.2	86
16	Intense Precipitation Events Associated with Landfalling Tropical Cyclones in Response to a Warmer Climate and Increased CO2. Journal of Climate, 2014, 27, 4642-4654.	3.2	81
17	CMIP6 Simulations With the CMCC Earth System Model (CMCCâ€ESM2). Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	75
18	Global and regional ocean carbon uptake and climate change: sensitivity to a substantial mitigation scenario. Climate Dynamics, 2011, 37, 1929-1947.	3.8	74

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19	Resolution dependence of tropical cyclone formation in CMIP3 and finer resolution models. Climate Dynamics, 2013, 40, 585-599.	3.8	73
20	Assessing Climate Change Impacts on Wildfire Exposure in Mediterranean Areas. Risk Analysis, 2017, 37, 1898-1916.	2.7	72
21	Impact of Higher Spatial Atmospheric Resolution on Precipitation Extremes Over Land in Global Climate Models. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032184.	3.3	69
22	Future projections of the surface heat and water budgets of the Mediterranean Sea in an ensemble of coupled atmosphereâ€“ocean regional climate models. Climate Dynamics, 2012, 39, 1859-1884.	3.8	68
23	Global assessment of heat wave magnitudes from 1901 to 2010 and implications for the river discharge of the Alps. Science of the Total Environment, 2016, 571, 1330-1339.	8.0	67
24	Heavy precipitation events over the Euro-Mediterranean region in a warmer climate: results from CMIP5 models. Regional Environmental Change, 2016, 16, 595-602.	2.9	57
25	Thinning Can Reduce Losses in Carbon Use Efficiency and Carbon Stocks in Managed Forests Under Warmer Climate. Journal of Advances in Modeling Earth Systems, 2018, 10, 2427-2452.	3.8	56
26	Western North Pacific Tropical Cyclone Model Tracks in Present and Future Climates. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9721-9744.	3.3	54
27	Decadal climate predictions with a coupled OAGCM initialized with oceanic reanalyses. Climate Dynamics, 2013, 40, 1483-1497.	3.8	53
28	Cluster Analysis of Downscaled and Explicitly Simulated North Atlantic Tropical Cyclone Tracks. Journal of Climate, 2015, 28, 1333-1361.	3.2	51
29	INGV-CMCC Carbon (ICC): A Carbon Cycle Earth System Model. SSRN Electronic Journal, 0, , .	0.4	45
30	Atlantic multi-decadal oscillation influence on weather regimes over Europe and the Mediterranean in spring and summer. Global and Planetary Change, 2017, 151, 92-100.	3.5	44
31	Tropical Cyclone Interaction with the Ocean: The Role of High-Frequency (Subdaily) Coupled Processes. Journal of Climate, 2017, 30, 145-162.	3.2	43
32	Heavy precipitation events over East Africa in a changing climate: results from CORDEX RCMs. Climate Dynamics, 2020, 55, 993-1009.	3.8	43
33	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. Journal of Climate, 2020, 33, 4463-4487.	3.2	42
34	NAOâ€“ocean circulation interactions in a coupled general circulation model. Climate Dynamics, 2008, 31, 759-777.	3.8	40
35	Projected Changes in Intense Precipitation over Europe at the Daily and Subdaily Time Scales*. Journal of Climate, 2015, 28, 6193-6203.	3.2	34
36	Hydrologically Induced Karst Deformation: Insights From GPS Measurements in the Adriaâ€Eurasia Plate Boundary Zone. Journal of Geophysical Research: Solid Earth, 2018, 123, 4413-4430.	3.4	34

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37	Improved near real-time data management procedures for the Mediterranean ocean Forecasting System-Voluntary Observing Ship program. Annales Geophysicae, 2003, 21, 49-62.	1.6	28
38	Observed shift towards earlier spring discharge in the main Alpine rivers. Science of the Total Environment, 2015, 503-504, 222-232.	8.0	27
39	Heavy Daily Precipitation Events in the CMIP6 Worst-Case Scenario: Projected Twenty-First-Century Changes. Journal of Climate, 2020, 33, 7631-7642.	3.2	27
40	Adaptation and sustainability of water management for rice agriculture in temperate regions: The Italian caseâ€study. Land Degradation and Development, 2019, 30, 2033-2047.	3.9	26
41	The role of mean ocean salinity in climate. Dynamics of Atmospheres and Oceans, 2010, 49, 108-123.	1.8	25
42	Projections of heavy rainfall over the central United States based on <scp>CMIP5</scp> models. Atmospheric Science Letters, 2013, 14, 200-205.	1.9	25
43	Air-Sea interaction over the Gulf Stream in an ensemble of HighResMIP present climate simulations. Climate Dynamics, 2021, 56, 2093-2111.	3.8	25
44	Future Climate Projections. Advances in Global Change Research, 2013, , 53-118.	1.6	24
45	Examining the precipitation associated with medicanes in the <scp>highâ€resolution ERA</scp>â€5 reanalysis data. International Journal of Climatology, 2021, 41, E126.	3.5	24
46	Tropical cyclone precipitation in the HighResMIP atmosphere-only experiments of the PRIMAVERA Project. Climate Dynamics, 2021, 57, 253-273.	3.8	23
47	Atlantic influence on spring snowfall over the Alps in the past 150 years. Environmental Research Letters, 2013, 8, 034026.	5.2	22
48	Projected changes in extreme precipitation at sub-daily and daily time scales. Global and Planetary Change, 2019, 182, 103004.	3.5	22
49	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. Climate Dynamics, 2022, 58, 2501-2524.	3.8	22
50	Mediterranean extreme precipitation: a multi-model assessment. Climate Dynamics, 2018, 51, 901-913.	3.8	20
51	Azimuthally Averaged Wind and Thermodynamic Structures of Tropical Cyclones in Global Climate Models and Their Sensitivity to Horizontal Resolution. Journal of Climate, 2020, 33, 1575-1595.	3.2	20
52	Tropical Cyclone Count Forecasting Using a Dynamical Seasonal Prediction System: Sensitivity to Improved Ocean Initialization. Journal of Climate, 2011, 24, 2963-2982.	3.2	19
53	Discussing the role of tropical and subtropical moisture sources in cold season extreme precipitation events in the Mediterranean region from a climate change perspective. Natural Hazards and Earth System Sciences, 2016, 16, 269-285.	3.6	19
54	Stronger influences of increased CO₂ on subdaily precipitation extremes than at the daily scale. Geophysical Research Letters, 2017, 44, 7464-7471.	4.0	19

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55	The effects of meteorological conditions and daylight on nature-based recreational physical activity in England. Urban Forestry and Urban Greening, 2019, 42, 39-50.	5.3	19
56	The Moisture Budget of Tropical Cyclones in HighResMIP Models: Large-Scale Environmental Balance and Sensitivity to Horizontal Resolution. Journal of Climate, 2020, 33, 8457-8474.	3.2	19
57	Projected Changes in Discharge in an Agricultural Watershed in Iowa. Journal of the American Water Resources Association, 2015, 51, 1361-1371.	2.4	16
58	Tropical cyclone effects on Arctic Sea ice variability. Geophysical Research Letters, 2012, 39, .	4.0	15
59	The typhoon-induced drying of the Maritime Continent. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3983-3988.	7.1	15
60	The role of humidity in determining scenarios of perceived temperature extremes in Europe. Environmental Research Letters, 2017, 12, 114029.	5.2	14
61	Annual Green Water Resources and Vegetation Resilience Indicators: Definitions, Mutual Relationships, and Future Climate Projections. Remote Sensing, 2019, 11, 2708.	4.0	14
62	The effect on simulated ocean climate of a parameterization of unbroken waveâ€induced mixing incorporated into the kâ€epsilon mixing scheme. Journal of Advances in Modeling Earth Systems, 2017, 9, 735-758.	3.8	13
63	Influence of model resolution on bomb cyclones revealed by HighResMIP-PRIMAVERA simulations. Environmental Research Letters, 2020, 15, 084001.	5.2	12
64	Very Large Ensemble Ocean Forecasting Experiment Using the Grid Computing Infrastructure. Bulletin of the American Meteorological Society, 2008, 89, 799-804.	3.3	11
65	On the Internal Variability of Simulated Daily Precipitation*. Journal of Climate, 2015, 28, 3624-3630.	3.2	11
66	Remote subsurface ocean temperature as a predictor of Atlantic hurricane activity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11460-11464.	7.1	11
67	The Tropical Cyclone Climate Model Intercomparison Project. , 2010, , 1-24.		11
68	The Importance of Marine Research Infrastructures in Capturing Processes and Impacts of Extreme Events. Frontiers in Marine Science, 2021, 8, .	2.5	10
69	Evaluation of trends in extreme temperatures simulated by HighResMIP models across Europe. Climate Dynamics, 2021, 56, 2389-2412.	3.8	8
70	Tropical Cyclone Rainfall Changes in a Warmer Climate. , 2017, , 243-255.		7
71	Changes in Tropical Cyclone Activity Due to Global Warming: Results from a High-Resolution Coupled General Circulation Model. SSRN Electronic Journal, 0, , .	0.4	7
72	The health potential of urban water: Future scenarios on local risks and opportunities. Cities, 2022, 125, 103639.	5.6	7

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73	The Pacific Decadal Oscillation Modulates Tropical Cyclone Days on the Interannual Timescale in the North Pacific Ocean. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034988.	3.3	6
74	Extreme precipitation events over north-western Europe: getting water from the tropics. Annals of Geophysics, 2018, 61, .	1.0	5
75	Past long-term summer warming over western Europe in new generation climate models: role of large-scale atmospheric circulation. Environmental Research Letters, 2020, 15, 084038.	5.2	5
76	Extreme events representation in CMCC-CM2 standard and high-resolution general circulation models. Geoscientific Model Development, 2022, 15, 1841-1854.	3.6	4
77	Evaluation of the capability of regional climate models in reproducing the temporal clustering in heavy precipitation over Europe. Atmospheric Research, 2022, 269, 106027.	4.1	3
78	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440.	3.3	2
79	Reduced extremes of subâ€daily temperature swings during the boreal summer in the Northern Hemisphere. International Journal of Climatology, 2020, 40, 1306-1315.	3.5	0
80	Changes in Tropical Cyclone Activity due to Global Warming in a General Circulation Model. , 2009, , 287-321.		0