

# Stefano Materia

## List of Publications by Year in descending order

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26  
papers

1,000  
citations

516710

16  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Mean Climate and Main Patterns of Variability in the CMCCâ€CM2 Coupled Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 185-209.	3.8	202
2	LS3MIP (v1.0) contribution to CMIP6: the Land Surface, Snow and Soil moisture Model Intercomparison Project â€ aims, setup and expected outcome. <i>Geoscientific Model Development</i> , 2016, 9, 2809-2832.	3.6	152
3	Advancements in decadal climate predictability: The role of nonoceanic drivers. <i>Reviews of Geophysics</i> , 2015, 53, 165-202.	23.0	81
4	CMIP6 Simulations With the CMCC Earth System Model (CMCCâ€ESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	75
5	A Multisystem View of Wintertime NAO Seasonal Predictions. <i>Journal of Climate</i> , 2017, 30, 1461-1475.	3.2	69
6	The Sensitivity of Simulated River Discharge to Land Surface Representation and Meteorological Forcings. <i>Journal of Hydrometeorology</i> , 2010, 11, 334-351.	1.9	40
7	Prediction of Indian Summer Monsoon Onset Using Dynamical Subseasonal Forecasts: Effects of Realistic Initialization of the Atmosphere. <i>Monthly Weather Review</i> , 2015, 143, 778-793.	1.4	40
8	The effect of Congo River freshwater discharge on Eastern Equatorial Atlantic climate variability. <i>Climate Dynamics</i> , 2012, 39, 2109-2125.	3.8	38
9	Impact of Atmosphere and Land Surface Initial Conditions on Seasonal Forecasts of Global Surface Temperature. <i>Journal of Climate</i> , 2014, 27, 9253-9271.	3.2	35
10	Soil carbon sequestration simulated in CMIP6-LUMIP models: implications for climatic mitigation. <i>Environmental Research Letters</i> , 2020, 15, 124061.	5.2	35
11	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	3.6	31
12	Advances in the Subseasonal Prediction of Extreme Events: Relevant Case Studies across the Globe. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1473-E1501.	3.3	29
13	The Representation of Atmospheric Blocking and the Associated Low-Frequency Variability in Two Seasonal Prediction Systems. <i>Journal of Climate</i> , 2014, 27, 9082-9100.	3.2	26
14	Global Variability of Simulated and Observed Vegetation Growing Season. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3569-3587.	3.0	23
15	Plant phenology evaluation of CRESCENDO land surface models â€ Part 1: Start and end of the growing season. <i>Biogeosciences</i> , 2021, 18, 2405-2428.	3.3	19
16	Seasonal prediction of European summer heatwaves. <i>Climate Dynamics</i> , 2022, 58, 2149-2166.	3.8	19
17	Summer temperature response to extreme soil water conditions in the Mediterranean transitional climate regime. <i>Climate Dynamics</i> , 2022, 58, 1943-1963.	3.8	15
18	Multimodel Subseasonal Forecasts of Spring Cold Spells: Potential Value for the Hazelnut Agribusiness. <i>Weather and Forecasting</i> , 2020, 35, 237-254.	1.4	12

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19	El Niño teleconnection to the Euro-Mediterranean late-winter: the role of extratropical Pacific modulation. <i>Climate Dynamics</i> , 2022, 58, 2009-2029.	3.8	10
20	DRY and BULK atmospheric nitrogen deposition to a West-African humid forest exposed to terrestrial and oceanic sources. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 184-195.	4.8	9
21	Precipitation response to extreme soil moisture conditions over the Mediterranean. <i>Climate Dynamics</i> , 2022, 58, 1927-1942.	3.8	8
22	North Atlantic Circulation Regimes and Heat Transport by Synoptic Eddies. <i>Journal of Climate</i> , 2020, 33, 4769-4785.	3.2	8
23	Seasonal trends of dry and bulk concentration of nitrogen compounds over a rain forest in Ghana. <i>Biogeosciences</i> , 2014, 11, 3069-3081.	3.3	7
24	Climate change impacts on phenology and yield of hazelnut in Australia. <i>Agricultural Systems</i> , 2021, 186, 102982.	6.1	7
25	On the role of Eurasian autumn snow cover in dynamical seasonal predictions. <i>Climate Dynamics</i> , 2022, 58, 2031-2045.	3.8	6
26	Interdisciplinary Regional Collaboration for Public Health Adaptation to Climate Change in the Eastern Mediterranean. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1685-E1689.	3.3	4