Annalisa Cherchi

List of Publications by Year
in descending order

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43 papers	1,708 citations	304743 22 h-index	302126 39 g-index
51 all docs	51 docs citations	51 times ranked	2344 citing authors

#	Article	IF	Citations
1	Advances in understanding largeâ€scale responses of the water cycle to climate change. Annals of the New York Academy of Sciences, 2020, 1472, 49-75.	3.8	226
2	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
3	The CLIVAR C20C project: which components of the Asianâ€“Australian monsoon circulation variations are forced and reproducible?. Climate Dynamics, 2009, 33, 1051-1068.	3.8	107
4	Influence of ENSO and of the Indian Ocean Dipole on the Indian summer monsoon variability. Climate Dynamics, 2013, 41, 81-103.	3.8	94
5	Effects of increased CO2 levels on monsoons. Climate Dynamics, 2011, 37, 83-101.	3.8	89
6	Precipitation extremes over La Plata Basin â€“ Review and new results from observations and climate simulations. Journal of Hydrology, 2015, 523, 211-230.	5.4	75
7	CMIP6 Simulations With the CMCC Earth System Model (CMCCâ€ESM2). Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	75
8	The Influence of Tropical Indian Ocean SST on the Indian Summer Monsoon. Journal of Climate, 2007, 20, 3083-3105.	3.2	65
9	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. Scientific Reports, 2014, 4, 7211.	3.3	64
10	The Extreme Positive Indian Ocean Dipole of 2019 and Associated Indian Summer Monsoon Rainfall Response. Geophysical Research Letters, 2021, 48, e2020GL091497.	4.0	64
11	Heatwaves in Europe: areas of homogeneous variability and links with the regional to large-scale atmospheric and SSTs anomalies. Climate Dynamics, 2007, 30, 77-98.	3.8	56
12	The Response of Subtropical Highs to Climate Change. Current Climate Change Reports, 2018, 4, 371-382.	8.6	51
13	The INGVâ€“CMCC Seasonal Prediction System: Improved Ocean Initial Conditions. Monthly Weather Review, 2010, 138, 2930-2952.	1.4	43
14	South Asian Summer Monsoon and the Eastern Mediterranean Climate: The Monsoonâ€“Desert Mechanism in CMIP5 Simulations. Journal of Climate, 2014, 27, 6877-6903.	3.2	43
15	Reproducibility and predictability of the Asian summer monsoon in the ECHAM4-GCM. Climate Dynamics, 2003, 20, 365-379.	3.8	42
16	Prediction of Indian Summer Monsoon Onset Using Dynamical Subseasonal Forecasts: Effects of Realistic Initialization of the Atmosphere. Monthly Weather Review, 2015, 143, 778-793.	1.4	40
17	Moisture variability over the Indo-Pacific region and its influence on the Indian summer monsoon rainfall. Climate Dynamics, 2016, 46, 949-965.	3.8	37
18	Extreme events in the La Plata basin: a retrospective analysis of what we have learned during CLARIS-LPB project. Climate Research, 2016, 68, 95-116.	1.1	36

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19	Sensitivity of the Asian summer monsoon to the horizontal resolution: differences between AMIP-type and coupled model experiments. Climate Dynamics, 2006, 28, 273-290.	3.8	29
20	Quantification of the Arctic Sea Iceâ€Driven Atmospheric Circulation Variability in Coordinated Large Ensemble Simulations. Geophysical Research Letters, 2020, 47, e2019GL085397.	4.0	29
21	Changes in the future summer Mediterranean climate: contribution of teleconnections and local factors. Earth System Dynamics, 2020, 11, 161-181.	7.1	29
22	Indian monsoon and the elevatedâ€heatâ€pump mechanism in a coupled aerosolâ€climate model. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8712-8723.	3.3	26
23	<scp>ENSO</scp> and the recent warming of the Indian Ocean. International Journal of Climatology, 2018, 38, 203-214.	3.5	23
24	An assessment of the Indian Ocean mean state and seasonal cycle in a suite of interannual CORE-II simulations. Ocean Modelling, 2020, 145, 101503.	2.4	20
25	Impact of extreme CO2 levels on tropical climate: a CGCM study. Climate Dynamics, 2008, 31, 743-758.	3.8	18
26	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
27	Climate forcings and climate sensitivities diagnosed from atmospheric global circulation models. Climate Dynamics, 2010, 35, 1461-1475.	3.8	12
28	Modeling Northern Hemisphere ice-sheet distribution during MIS 5 and MIS 7 glacial inceptions. Climate of the Past, 2014, 10, 269-291.	3.4	12
29	Twenty-first century projected summer mean climate in the Mediterranean interpreted through the monsoon-desert mechanism. Climate Dynamics, 2016, 47, 2361-2371.	3.8	12
30	Indian Ocean Dipole influence on Indian summer monsoon and ENSO: A review. , 2021, , 157-182.		12
31	Climate Sensitivity to Changes in Ocean Heat Transport. Journal of Climate, 2011, 24, 5015-5030.	3.2	9
32	La Plata basin precipitation variability in spring: role of remote SST forcing as simulated by GCM experiments. Climate Dynamics, 2014, 42, 219-236.	3.8	9
33	Impact of Orbital Parameters and Greenhouse Gas on the Climate of MIS 7 and MIS 5 Glacial Inceptions. Journal of Climate, 2014, 27, 8918-8933.	3.2	7
34	The unusual wet summer (July) of 2014 in Southern Europe. Atmospheric Research, 2017, 189, 61-68.	4.1	7
35	Testing for the Possible Influence of Unknown Climate Forcings upon Global Temperature Increases from 1950 to 2000. Journal of Climate, 2012, 25, 7163-7172.	3.2	6
36	Tropical Pacificâ€“North Pacific teleconnection in a coupled GCM: remote and local effects. International Journal of Climatology, 2012, 32, 1640-1653.	3.5	6

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37	Impact of global SST gradients on the Mediterranean runoff changes across the Plioâ€Pleistocene transition. Paleoceanography, 2015, 30, 751-767.	3.0	6
38	Remote SST forcing on Indian summer monsoon extreme years in AGCM experiments. International Journal of Climatology, 2018, 38, e160.	3.5	3
39	Connecting AMOC changes. Nature Climate Change, 2019, 9, 729-730.	18.8	3
40	ENSO and Its Effects on the Atmospheric Heating Processes. Journal of the Meteorological Society of Japan, 2012, 90, 35-57.	1.8	3
41	South Asian summer monsoon and subtropical deserts. , 2021, , 299-318.		0
42	A coupled model study on the Atlantic Meridional Overturning Circulation under extreme atmospheric CO2 conditions. Annals of Geophysics, 2016, 59, .	1.0	0
43	EVALUATION OF AMIP-TYPE ATMOSPHERIC FIELDS AS FORCING FOR. Annals of Geophysics, 2018, 61, .	1.0	0