

Fabio D'Andrea

List of Publications by Year in descending order

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43
papers

2,250
citations

304743

22
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

3335
citing authors

#	ARTICLE	IF	CITATIONS
1	Presentation and Evaluation of the IPSL-CM6A-LR Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002010.	3.8	541
2	Northern Hemisphere atmospheric blocking as simulated by 15 atmospheric general circulation models in the period 1979-1988. <i>Climate Dynamics</i> , 1998, 14, 385-407.	3.8	195
3	Hot European Summers and the Role of Soil Moisture in the Propagation of Mediterranean Drought. <i>Journal of Climate</i> , 2009, 22, 4747-4758.	3.2	180
4	Surface and Atmospheric Controls on the Onset of Moist Convection over Land. <i>Journal of Hydrometeorology</i> , 2013, 14, 1443-1462.	1.9	144
5	Soil moisture-temperature feedbacks at meso-scale during summer heat waves over Western Europe. <i>Climate Dynamics</i> , 2014, 42, 1309-1324.	3.8	136
6	Northern Hemisphere Atmospheric Blocking Representation in Global Climate Models: Twenty Years of Improvements?. <i>Journal of Climate</i> , 2016, 29, 8823-8840.	3.2	96
7	Effects of interactive vegetation phenology on the 2003 summer heat waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	72
8	An idealized model for tree-grass coexistence in savannas: the role of life stage structure and fire disturbances. <i>Journal of Ecology</i> , 2010, 98, 74-80.	4.0	71
9	Atmospheric response to the North Atlantic Ocean variability on seasonal to decadal time scales. <i>Climate Dynamics</i> , 2013, 40, 2311-2330.	3.8	69
10	Model of the Regional Coupled Earth system (MORCE): Application to process and climate studies in vulnerable regions. <i>Environmental Modelling and Software</i> , 2012, 35, 1-18.	4.5	57
11	Climatology of Northern Hemisphere blocking in the ECHAM model. <i>Climate Dynamics</i> , 1997, 13, 649-666.	3.8	54
12	Extratropical low-frequency variability as a low-dimensional problem I: A simplified model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1357-1374.	2.7	46
13	Weather regimes in past climate atmospheric general circulation model simulations. <i>Climate Dynamics</i> , 1999, 15, 773-793.	3.8	45
14	Tree-grass competition for soil water in arid and semiarid savannas: The role of rainfall intermittency. <i>Water Resources Research</i> , 2015, 51, 169-181.	4.2	42
15	Hot and cool summers: Multiple equilibria of the continental water cycle. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	41
16	Improved Winter European Atmospheric Blocking Frequencies in High-Resolution Global Climate Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2615-2634.	3.8	35
17	Weather Regime Prediction Using Statistical Learning. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 1619-1635.	1.7	34
18	Reducing systematic errors by empirically correcting model errors. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2000, 52, 21-41.	1.7	33

#	ARTICLE	IF	CITATIONS
19	A Probabilistic Bulk Model of Coupled Mixed Layer and Convection. Part II: Shallow Convection Case. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1557-1576.	1.7	30
20	Triggering Deep Convection with a Probabilistic Plume Model. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 3881-3901.	1.7	29
21	Reducing systematic errors by empirically correcting model errors. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 52, 21.	1.7	27
22	An Idealized Prototype for Large-Scale Land-Atmosphere Coupling. <i>Journal of Climate</i> , 2013, 26, 2379-2389.	3.2	26
23	Representation of daytime moist convection over the semi-arid Tropics by parametrizations used in climate and meteorological models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2220-2236.	2.7	23
24	A Probabilistic Bulk Model of Coupled Mixed Layer and Convection. Part I: Clear-Sky Case. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1543-1556.	1.7	22
25	Extratropical low-frequency variability as a low-dimensional problem. II: Stationarity and stability of large-scale equilibria. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 1059-1073.	2.7	21
26	On decadal-scale ocean-atmosphere interactions in the extended ECHAM1/LSG climate simulation. <i>Climate Dynamics</i> , 2000, 16, 333-354.	3.8	18
27	A Neural Network Approach for blocking recognition. <i>Geophysical Research Letters</i> , 1996, 23, 2081-2084.	4.0	17
28	Simulating the effect of anthropogenic vegetation land cover on heatwave temperatures over central France. <i>Climate Research</i> , 2014, 60, 133-146.	1.1	17
29	A validation of heat and carbon fluxes from high-resolution land surface and regional models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
30	Coherent Structures in Large-Eddy Simulations of a Nonprecipitating Stratocumulus-Topped Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 4117-4137.	1.7	16
31	Predicting weather regime transitions in Northern Hemisphere datasets. <i>Climate Dynamics</i> , 2007, 29, 535-551.	3.8	15
32	On the Linkage Between Rossby Wave Phase Speed, Atmospheric Blocking, and Arctic Amplification. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087796.	4.0	14
33	Multiple equilibria on planet Dune: climate-vegetation dynamics on a sandy planet. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 17662.	1.6	13
34	How Do Ocean Warm Anomalies Favor the Aggregation of Deep Convective Clouds?. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 3733-3745.	1.7	12
35	Impact of Anomalous Ocean Heat Transport on the North Atlantic Oscillation. <i>Journal of Climate</i> , 2005, 18, 4955-4969.	3.2	11
36	Mass and wind axial angular-momentum responses to mountain torques in the 1-25 day band: Links with the Arctic Oscillation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2005, 131, 1483-1500.	2.7	9

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37	Fixed points, stable manifolds, weather regimes, and their predictability. <i>Chaos</i> , 2009, 19, 043109.	2.5	7
38	Low-frequency variability in the Southern Ocean region in a simplified coupled model. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	6
39	Deep convection east of the Andes Cordillera: four hailstorm cases. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2015, 67, 26806.	1.7	5
40	Circumglobal Rossby wave patterns during boreal winter highlighted by space-time spectral analysis. <i>Weather and Climate Dynamics</i> , 2022, 3, 449-469.	3.5	5
41	Correction to "Hot and cool summers: Multiple equilibria of the continental water cycle". <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	0
42	Correction to "Low-frequency variability in the Southern Ocean region in a simplified coupled model". <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	0
43	Stationary Atmospheric Responses to an Idealized Sea Surface Temperature Anomaly in the Southern Ocean. <i>Journal of Climate</i> , 2011, 24, 3686-3704.	3.2	0