

Olivier Arzel

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

581
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea ice evolution over the 20th and 21st centuries as simulated by current AOGCMs. <i>Ocean Modelling</i> , 2006, 12, 401-415.	2.4	192
2	The origin of the European "Medieval Warm Period". <i>Climate of the Past</i> , 2006, 2, 99-113.	3.4	89
3	A review of the bipolar seeâsaw from synchronized and high resolution ice core water stable isotope records from Greenland and East Antarctica. <i>Quaternary Science Reviews</i> , 2015, 114, 18-32.	3.0	63
4	The Different Nature of the Interdecadal Variability of the Thermohaline Circulation under Mixed and Flux Boundary Conditions. <i>Journal of Physical Oceanography</i> , 2006, 36, 1703-1718.	1.7	39
5	Causes and impacts of changes in the Arctic freshwater budget during the twentieth and twenty-first centuries in an AOGCM. <i>Climate Dynamics</i> , 2007, 30, 37-58.	3.8	28
6	Multidecadal Variability of the Overturning Circulation in Presence of Eddy Turbulence. <i>Journal of Physical Oceanography</i> , 2015, 45, 157-173.	1.7	22
7	North Atlantic Ocean Internal Decadal Variability: Role of the Mean State and OceanâsAtmosphere Coupling. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5949-5970.	2.6	20
8	The Role of Oceanic Heat Transport and Wind Stress Forcing in Abrupt Millennial-Scale Climate Transitions. <i>Journal of Climate</i> , 2010, 23, 2233-2256.	3.2	18
9	Reduced Stability of the Atlantic Meridional Overturning Circulation due to Wind Stress Feedback during Glacial Times. <i>Journal of Climate</i> , 2008, 21, 6260-6282.	3.2	17
10	Abrupt millennial variability and interdecadal-interstadial oscillations in a global coupled model: sensitivity to the background climate state. <i>Climate Dynamics</i> , 2012, 39, 259-275.	3.8	17
11	The Internal Generation of the Atlantic Ocean Interdecadal Variability. <i>Journal of Climate</i> , 2018, 31, 6411-6432.	3.2	17
12	Contributions of Atmospheric Stochastic Forcing and Intrinsic Ocean Modes to North Atlantic Ocean Interdecadal Variability. <i>Journal of Climate</i> , 2020, 33, 2351-2370.	3.2	12
13	On the origin of interdecadal oscillations in a coupled oceanâs atmosphere model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 367-383.	1.7	10
14	Oceanic control of multidecadal variability in an idealized coupled GCM. <i>Climate Dynamics</i> , 2016, 46, 3079-3095.	3.8	10
15	Direct Temporal Cascade of Temperature Variance in Eddy-Permitting Simulations of Multidecadal Variability. <i>Journal of Climate</i> , 2020, 33, 9409-9425.	3.2	8
16	Decadal oscillations in a simplified coupled model due to unstable interactions between zonal winds and ocean gyres. <i>Dynamics of Atmospheres and Oceans</i> , 2003, 37, 245-270.	1.8	5
17	The Impact of Wind Stress Feedback on the Stability of the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2011, 24, 1965-1984.	3.2	5
18	Wind-stress feedback amplification of abrupt millennial-scale climate changes. <i>Climate Dynamics</i> , 2013, 40, 983-995.	3.8	3

#	ARTICLE	IF	CITATIONS
19	Can We Infer Diapycnal Mixing Rates from the World Ocean Temperature–Salinity Distribution?. Journal of Physical Oceanography, 2016, 46, 3751-3775.	1.7	3
20	Energy transfers between multidecadal and turbulent variability. Journal of Climate, 2021, , 58-1.	3.2	3
21	On the origin of interdecadal oscillations in a coupled ocean–atmosphere model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, , .	1.7	0