

# Vincenzo Artale

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,800  
citations

361413

20  
h-index

377865

34  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediterranean water cycle changes: transition to drier 21st century conditions in observations and CMIP3 simulations. <i>Environmental Research Letters</i> , 2008, 3, 044001.	5.2	203
2	Physical forcing and physical/biochemical variability of the Mediterranean Sea: a review of unresolved issues and directions for future research. <i>Ocean Science</i> , 2014, 10, 281-322.	3.4	154
3	A seasonal model of the Mediterranean Sea general circulation. <i>Journal of Geophysical Research</i> , 1995, 100, 13515.	3.3	151
4	The CIRCE Simulations: Regional Climate Change Projections with Realistic Representation of the Mediterranean Sea. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 65-81.	3.3	147
5	An atmosphere-ocean regional climate model for the Mediterranean area: assessment of a present climate simulation. <i>Climate Dynamics</i> , 2010, 35, 721-740.	3.8	133
6	New Evidence of Mediterranean Climate Change and Variability from Sea Surface Temperature Observations. <i>Remote Sensing</i> , 2020, 12, 132.	4.0	113
7	The SST Multidecadal Variability in the Atlantic-Mediterranean Region and Its Relation to AMO. <i>Journal of Climate</i> , 2011, 24, 4385-4401.	3.2	89
8	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. <i>Scientific Reports</i> , 2014, 4, 7211.	3.3	64
9	Sea-level rise in Venice: historic and future trends (review article). <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2643-2678.	3.6	61
10	An eddy-permitting model of the Mediterranean Sea with a two-way grid refinement at the Strait of Gibraltar. <i>Ocean Modelling</i> , 2009, 30, 56-72.	2.4	55
11	Circulation of the Mediterranean Sea and its Variability. , 2012, , 187-256.		54
12	Steric sea level rise over the Mediterranean Sea: present climate and scenario simulations. <i>Climate Dynamics</i> , 2012, 39, 2167-2184.	3.8	47
13	Lagrangian Velocity Spectra at 700 m in the Western North Atlantic. <i>Journal of Physical Oceanography</i> , 1996, 26, 1591-1607.	1.7	46
14	Chapter 4 Changes in the oceanography of the Mediterranean Sea and their link to climate variability. <i>Developments in Earth and Environmental Sciences</i> , 2006, 4, 227-282.	0.1	46
15	Seasonal Variability of the Tyrrhenian Sea Surface Geostrophic Circulation as Assessed by Altimeter Data. <i>Journal of Physical Oceanography</i> , 2013, 43, 1710-1732.	1.7	43
16	Role of surface fluxes in ocean general circulation models using satellite sea surface temperature: Validation of and sensitivity to the forcing frequency of the Mediterranean thermohaline circulation. <i>Journal of Geophysical Research</i> , 2002, 107, 29-1.	3.3	41
17	Modelling the effects of land-cover changes on surface climate in the Mediterranean region. <i>Climate Research</i> , 2010, 41, 91-104.	1.1	40
18	The Climate of the Mediterranean Region in Future Climate Projections. , 2012, , 449-502.		36

#	ARTICLE	IF	CITATIONS
19	Thermohaline variability of Mediterranean Water in the Gulf of Cadiz, 1948–1999. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1624-1638.	1.4	33
20	Sea Surface Temperature Intercomparison in the Framework of the Copernicus Climate Change Service (C3S). <i>Journal of Climate</i> , 2021, 34, 5257-5283.	3.2	29
21	Decadal oscillations in the Mediterranean Sea: a result of the overturning circulation variability in the eastern basin?. <i>Climate Research</i> , 2006, 31, 257-271.	1.1	29
22	Future Climate Projections. <i>Advances in Global Change Research</i> , 2013, , 53-118.	1.6	24
23	Chapter 5 The Atlantic and Mediterranean Sea as connected systems. <i>Developments in Earth and Environmental Sciences</i> , 2006, , 283-323.	0.1	20
24	Modeling the baroclinic circulation in the area of the Sicily channel: The role of stratification and energy diagnostics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	17
25	Observed and Modeled Global Ocean Turbulence Regimes as Deduced from Surface Trajectory Data. <i>Journal of Physical Oceanography</i> , 2013, 43, 2249-2269.	1.7	16
26	Thermohaline circulation sensitivity to intermediate-level anomalies. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2002, 54, 159-174.	1.7	16
27	North Atlantic MOC variability and the Mediterranean Outflow: a box-model study. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006, 58, 416-423.	1.7	14
28	Analysis of internal temperature oscillations of tidal period on the Sicilian continental shelf. <i>Continental Shelf Research</i> , 1989, 9, 867-888.	1.8	13
29	Destabilization of the thermohaline circulation by transient changes in the hydrological cycle. <i>Climate Dynamics</i> , 2005, 24, 253-262.	3.8	13
30	Thermohaline circulation sensitivity to intermediate-level anomalies. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 54, 159.	1.7	10
31	Experimental mathematics: Dependence of the stability properties of a two-dimensional model of the Atlantic ocean circulation on the boundary conditions. <i>Russian Journal of Mathematical Physics</i> , 2007, 14, 224-231.	1.5	9
32	Biogeochemical patterns and microbial processes in the Eastern Mediterranean Deep Water of Ionian Sea. <i>Hydrobiologia</i> , 2018, 815, 97-112.	2.0	9
33	Linking mixing processes and climate variability to the heat content distribution of the Eastern Mediterranean abyss. <i>Scientific Reports</i> , 2018, 8, 11317.	3.3	8
34	Hydrodynamic stability of rotational gravity waves. <i>Physical Review A</i> , 1984, 29, 2787-2788.	2.5	7
35	Air–Sea Interaction in the Central Mediterranean Sea: Assessment of Reanalysis and Satellite Observations. <i>Remote Sensing</i> , 2021, 13, 2188.	4.0	5
36	Nonlinear surface and internal waves in stratified shear flow. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1990, 54, 35-48.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Editorial: Impact of Deep Oceanic Processes on Circulation and Climate Variability: Examples From the Mediterranean Sea and the Global Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	1
38	Lyapunov stability of solitary rotational water waves. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1986, 37, 237-251.	1.2	0
39	<title>Assimilation of satellite AVHRR SST in an OGCM of the Mediterranean Sea: data processing, new parametrizations, and physical results</title>. , 1998, 3496, 118.		0
40	Exploring AMOC Regime Change over the Past Four Decades through Ocean Reanalyses. <i>Climate</i> , 2022, 10, 59.	2.8	0