

Alberto M Mestas-Nunez

List of Publications by Year in descending order

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43
papers

5,568
citations

394421

19
h-index

289244

40
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48
all docs

48
docs citations

48
times ranked

5637
citing authors

#	ARTICLE	IF	CITATIONS
1	The Atlantic Multidecadal Oscillation and its relation to rainfall and river flows in the continental U.S.. <i>Geophysical Research Letters</i> , 2001, 28, 2077-2080.	4.0	2,363
2	The Recent Increase in Atlantic Hurricane Activity: Causes and Implications. <i>Science</i> , 2001, 293, 474-479.	12.6	1,436
3	How ubiquitous is the dipole relationship in tropical Atlantic sea surface temperatures?. <i>Journal of Geophysical Research</i> , 1999, 104, 7841-7848.	3.3	275
4	Atlantic Basin Hurricanes: Indices of Climatic Changes. <i>Climatic Change</i> , 1999, 42, 89-129.	3.6	259
5	Multiscale Variabilities in Global Sea Surface Temperatures and Their Relationships with Tropospheric Climate Patterns. <i>Journal of Climate</i> , 1999, 12, 2719-2733.	3.2	225
6	Satellite Estimates of Wind Speed and Latent Heat Flux over the Global Oceans. <i>Journal of Climate</i> , 2003, 16, 637-656.	3.2	148
7	Rotated Global Modes of Non-ENSO Sea Surface Temperature Variability. <i>Journal of Climate</i> , 1999, 12, 2734-2746.	3.2	118
8	Water Vapor Fluxes over the Intra-Americas Sea: Seasonal and Interannual Variability and Associations with Rainfall. <i>Journal of Climate</i> , 2007, 20, 1910-1922.	3.2	82
9	Eastern Equatorial Pacific SST Variability: ENSO and Non-ENSO Components and Their Climatic Associations. <i>Journal of Climate</i> , 2001, 14, 391-402.	3.2	66
10	A review of eastern tropical Pacific oceanography: Summary. <i>Progress in Oceanography</i> , 2006, 69, 391-398.	3.2	66
11	Orthogonality properties of rotated empirical modes. <i>International Journal of Climatology</i> , 2000, 20, 1509-1516.	3.5	50
12	Interdecadal variability and climate change in the eastern tropical Pacific: A review. <i>Progress in Oceanography</i> , 2006, 69, 267-284.	3.2	46
13	Two decades [1992–2012] of surface wind analyses based on satellite scatterometer observations. <i>Journal of Marine Systems</i> , 2017, 168, 38-56.	2.1	45
14	Improvement in air–sea flux estimates derived from satellite observations. <i>International Journal of Remote Sensing</i> , 2013, 34, 5243-5261.	2.9	44
15	Global Wind Stress and Sverdrup Circulation from the Seasat Scatterometer. <i>Journal of Physical Oceanography</i> , 1990, 20, 1175-1205.	1.7	37
16	Numerical studies of small island wakes in the ocean. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1996, 83, 195-231.	1.2	34
17	A high resolution numerical study of Gulf of Mexico fronts and eddies. <i>Meteorology and Atmospheric Physics</i> , 1997, 64, 187-201.	2.0	34
18	Uncertainties in Estimating Moisture Fluxes over the Intra-Americas Sea. <i>Journal of Hydrometeorology</i> , 2005, 6, 696-709.	1.9	22

#	ARTICLE	IF	CITATIONS
19	The Impact of Satellite Winds and Latent Heat Fluxes in a Numerical Simulation of the Tropical Pacific Ocean. <i>Journal of Climate</i> , 2006, 19, 5889-5902.	3.2	20
20	Evidence of Time-dependent Sverdrup Circulation in the South Pacific from the Seasat Scatterometer and Altimeter. <i>Journal of Physical Oceanography</i> , 1992, 22, 934-943.	1.7	16
21	North Atlantic decadal variability and the formation of tropical storms and hurricanes. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	16
22	Relationships between sea surface temperature anomalies in the Pacific and Atlantic Oceans and South Texas precipitation and streamflow variability. <i>Journal of Hydrology</i> , 2017, 550, 726-739.	5.4	16
23	An Evaluation of ECMWF-Based Climatological Wind Stress Fields. <i>Journal of Physical Oceanography</i> , 1994, 24, 1532-1549.	1.7	15
24	Ice Production in Ross Ice Shelf Polynyas during 2017–2018 from Sentinel-1 SAR Images. <i>Remote Sensing</i> , 2020, 12, 1484.	4.0	15
25	Differences between two estimates of air-sea turbulent heat fluxes over the Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	13
26	Estimation of thermodynamic and dynamic contributions to sea ice growth in the Central Arctic using ICESat-2 and MOSAiC SIMBA buoy data. <i>Remote Sensing of Environment</i> , 2021, 267, 112730.	11.0	13
27	Can beach dune ridges of the Texas Gulf Coast preserve climate signals?. <i>Geo-Marine Letters</i> , 2012, 32, 241-250.	1.1	11
28	An Evaluation of Satellite Estimates of Solar Surface Irradiance Using Ground Observations in San Antonio, Texas, USA. <i>Remote Sensing</i> , 2017, 9, 1268.	4.0	11
29	Sea-ice freeboard and thickness in the Ross Sea from airborne (IceBridge 2013) and satellite (ICESat) Tj ETQq1 1 0.784314 rgBT /Over	1.4	11
30	Interannual to Multidecadal Climate Variability and Its Relationship to Global Sea Surface Temperatures. , 2001, , 17-29.		8
31	Seasonal and El Niño Variability in Weekly Satellite Evaporation over the Global Ocean during 1996–98. <i>Journal of Climate</i> , 2006, 19, 2025-2035.	3.2	8
32	A mechanism for freshening the Caribbean Sea in pre-ice Age time. <i>Paleoceanography</i> , 2014, 29, 508-517.	3.0	8
33	Semi-automated tracking of iceberg B43 using Sentinel-1 SAR images via Google Earth Engine. <i>Cryosphere</i> , 2021, 15, 4727-4744.	3.9	8
34	Characterizing Variability of Solar Irradiance in San Antonio, Texas Using Satellite Observations of Cloudiness. <i>Remote Sensing</i> , 2018, 10, 2016.	4.0	6
35	The ENSO footprint in monthly satellite evaporation over the global ocean during 1993–2007. <i>Remote Sensing Letters</i> , 2013, 4, 706-714.	1.4	4
36	Record of Historical Gulf of Mexico Storms Preserved In the Stratigraphy of Gum Hollow Delta, Nueces Bay, Texas, U.S.A.: An Example of Tropical-Cyclone-Induced Hyperpycnal Deposition. <i>Journal of Sedimentary Research</i> , 2013, 83, 1-11.	1.6	4

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37	Weekly Mapping of Sea Ice Freeboard in the Ross Sea from ICESat-2. Remote Sensing, 2021, 13, 3277.	4.0	4
38	Sea Ice Freeboard in the Ross Sea from Airborne Altimetry IcePod 2016–2017 and a Comparison with IceBridge 2013 and ICESat 2003–2008. Remote Sensing, 2020, 12, 2226.	4.0	3
39	Wind bursts and enhanced evaporation in the tropical and subtropical Atlantic Ocean. Elsevier Oceanography Series, 2003, , 463-474.	0.1	2
40	Satellite-based Cloudiness and Solar Energy Potential in Texas and Surrounding Regions. Remote Sensing, 2019, 11, 1130.	4.0	2
41	An On-Demand Service for Managing and Analyzing Arctic Sea Ice High Spatial Resolution Imagery. Data, 2020, 5, 39.	2.3	2
42	Assessing Scale Dependence on Local Sea Level Retrievals from Laser Altimetry Data over Sea Ice. Remote Sensing, 2020, 12, 3732.	4.0	0
43	Spatiotemporal Analysis of Sea Ice Leads in the Arctic Ocean Retrieved from IceBridge Laxon Line Data 2012–2018. Remote Sensing, 2021, 13, 4177.	4.0	0