

Alban Lazar

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,901
citations

361413

20
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

5019
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mixed layer depth over the global ocean: An examination of profile data and a profile-based climatology. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 2,088 |
| 2 | DEVELOPMENT OF A EUROPEAN MULTIMODEL ENSEMBLE SYSTEM FOR SEASONAL-TO-INTERANNUAL PREDICTION (DEMETER). <i>Bulletin of the American Meteorological Society</i> , 2004, 85, 853-872. | 3.3 | 834 |
| 3 | Oceanic Kelvin waves and tropical Atlantic intraseasonal variability: 1. Kelvin wave characterization. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 81 |
| 4 | The Tropical Atlantic Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 80 |
| 5 | Is There Evidence of Changes in Tropical Atlantic Variability Modes under AMO Phases in the Observational Record?. <i>Journal of Climate</i> , 2018, 31, 515-536. | 3.2 | 72 |
| 6 | A model study of the seasonal mixed layer heat budget in the equatorial Atlantic. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 66 |
| 7 | Equatorial upper-ocean dynamics and their interaction with the West African monsoon. <i>Atmospheric Science Letters</i> , 2011, 12, 24-30. | 1.9 | 63 |
| 8 | A small-scale oceanic eddy off the coast of West Africa studied by multi-sensor satellite and surface drifter data. <i>Remote Sensing of Environment</i> , 2013, 129, 132-143. | 11.0 | 44 |
| 9 | Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 39 |
| 10 | The Deep Interior Downwelling, the Veronis Effect, and Mesoscale Tracer Transport Parameterizations in an OGCM. <i>Journal of Physical Oceanography</i> , 1999, 29, 2945-2961. | 1.7 | 38 |
| 11 | Intraseasonal variability of the ocean-atmosphere coupling in the Gulf of Guinea during boreal spring and summer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 426-441. | 2.7 | 37 |
| 12 | SST patterns and dynamics of the southern Senegal-Gambia upwelling center. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8315-8335. | 2.6 | 33 |
| 13 | On the Dynamics of the Southern Senegal Upwelling Center: Observed Variability from Synoptic to Superinertial Scales. <i>Journal of Physical Oceanography</i> , 2017, 47, 155-180. | 1.7 | 33 |
| 14 | Wind Stress Effects on Subsurface Pathways from the Subtropical to Tropical Atlantic. <i>Journal of Physical Oceanography</i> , 2002, 32, 2257-2276. | 1.7 | 32 |
| 15 | A model study of temperature anomaly propagation from the subtropics to tropics within the South Atlantic Thermocline. <i>Geophysical Research Letters</i> , 2001, 28, 1271-1274. | 4.0 | 30 |
| 16 | Do <i>Sardinella aurita</i> spawning seasons match local retention patterns in the Senegalese-Mauritanian upwelling region?. <i>Fisheries Oceanography</i> , 2015, 24, 69-89. | 1.7 | 30 |
| 17 | Generation Mechanism of Spiciness Anomalies: An OGCM Analysis in the North Atlantic Subtropical Gyre. <i>Journal of Physical Oceanography</i> , 2009, 39, 1003-1018. | 1.7 | 28 |
| 18 | On the seasonal variations of salinity of the tropical Atlantic mixed layer. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4441-4462. | 2.6 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Is the boreal spring tropical Atlantic variability a precursor of the Equatorial Mode?. <i>Climate Dynamics</i> , 2019, 53, 2339-2353. | 3.8 | 25 |
| 20 | A model study of the seasonality of sea surface temperature and circulation in the Atlantic North-eastern Tropical Upwelling System. <i>Frontiers in Physics</i> , 2015, 3, . | 2.1 | 24 |
| 21 | Ocean Dynamics Shapes the Structure and Timing of Atlantic Equatorial Modes. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7529-7544. | 2.6 | 24 |
| 22 | Physics and Dynamics of Density-Compensated Temperature and Salinity Anomalies. Part I: Theory. <i>Journal of Physical Oceanography</i> , 2005, 35, 849-864. | 1.7 | 19 |
| 23 | A numerical study of the South Atlantic circulation at the Last Glacial Maximum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 253, 509-528. | 2.3 | 17 |
| 24 | Interannual Variability of the Mixed Layer Winter Convection and Spice Injection in the Eastern Subtropical North Atlantic. <i>Journal of Physical Oceanography</i> , 2015, 45, 504-525. | 1.7 | 14 |
| 25 | Low-frequency thermohaline variability in the Subtropical South Atlantic pycnocline during 2002-2013. <i>Geophysical Research Letters</i> , 2014, 41, 6468-6475. | 4.0 | 13 |
| 26 | Modern drought conditions in western Sahel unprecedented in the past 1600 years. <i>Climate Dynamics</i> , 2019, 52, 1949-1964. | 3.8 | 13 |
| 27 | First Evidence of Anoxia and Nitrogen Loss in the Southern Canary Upwelling System. <i>Geophysical Research Letters</i> , 2019, 46, 2619-2627. | 4.0 | 13 |
| 28 | Analysis of Strengthening and Dissipating Mesoscale Convective Systems Propagating off the West African Coast. <i>Monthly Weather Review</i> , 2014, 142, 4600-4623. | 1.4 | 12 |
| 29 | Intraseasonal variability of tropical Atlantic sea surface temperature: air-sea interaction over upwelling fronts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 372-386. | 2.7 | 12 |
| 30 | Trains of African Easterly Waves and Their Relationship to Tropical Cyclone Genesis in the Eastern Atlantic. <i>Monthly Weather Review</i> , 2017, 145, 599-616. | 1.4 | 12 |
| 31 | Do SST gradients drive the monthly climatological surface wind convergence over the tropical Atlantic?. <i>International Journal of Climatology</i> , 2018, 38, e955. | 3.5 | 12 |
| 32 | Atmospheric response to sea surface temperature in the eastern equatorial Atlantic at quasi-biweekly time scales. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 1700-1714. | 2.7 | 9 |
| 33 | Growth and decay of the equatorial Atlantic SST mode by means of closed heat budget in a coupled general circulation model. <i>Frontiers in Earth Science</i> , 2015, 3, . | 1.8 | 8 |
| 34 | Subsurface Fine-scale Patterns in an Anticyclonic Eddy Off Cap Vert Peninsula Observed From Glider Measurements. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6312-6329. | 2.6 | 8 |
| 35 | Simulation of radionuclide dispersion in the Pacific Ocean from Mururoa atoll. <i>Journal of Environmental Radioactivity</i> , 1999, 43, 31-49. | 1.7 | 4 |
| 36 | Deep chlorophyll maximum and upper ocean structure interactions: Case of the Guinea Thermal Dome. <i>Journal of Marine Research</i> , 2009, 67, 239-271. | 0.3 | 4 |

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|----|--|-----|-----------|
| 37 | Tropical extra-tropical thermocline water mass exchanges in the Community Climate Model v.3 Part I: the Atlantic Ocean. <i>Ocean Science</i> , 2006, 2, 137-146. | 3.4 | 2 |
| 38 | A Climatological Study of the Mechanisms Controlling the Seasonal Meridional Migration of the Atlantic Warm Pool in an OGCM. <i>Atmosphere</i> , 2021, 12, 1224. | 2.3 | 1 |
| 39 | Interdecadal changes in SST variability drivers in the Senegalese-upwelling: the impact of ENSO. <i>Climate Dynamics</i> , 0, , . | 3.8 | 1 |
| 40 | Variability of Dissolved Oxygen in the Bottom Layer of the Southern Senegalese Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016854. | 2.6 | 0 |