# Bulusu Subrahmanyam

List of Publications by Year
in descending order



| 57 | 1,073 | 430874 18 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 57 | 57 | 57 | 924 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of a tropical cyclone on Chlorophyll-a Concentration in the Arabian Sea. Geophysical Research Letters, 2002, 29, 22-1-22-4. | 4.0 | 103 |
| 2 | Biophysical responses of the upper ocean to major Gulf of Mexico hurricanes in 2005. Journal of Geophysical Research, 2008, 113, . | 3.3 | 67 |
| 3 | Sea surface salinity variability during the Indian Ocean Dipole and ENSO events in the tropical Indian Ocean. Journal of Geophysical Research, 2011, 116, . | 3.3 | 61 |
| 4 | Sea surface salinity variability in the tropical Indian Ocean. Remote Sensing of Environment, 2011, 115, 944-956. | 11.0 | 58 |
| 5 | The role of salinity on the dynamics of the Arabian Sea mini warm pool. Journal of Geophysical Research, 2012, 117, . | 3.3 | 42 |
| 6 | Estimation of the barrier layer thickness in the <scp>I</scp>ndian <scp>O</scp>cean using Aquarius Salinity. Journal of Geophysical Research: Oceans, 2014, 119, 4200-4213. | 2.6 | 40 |
| 7 | Eddy Tracking in the Northwestern Indian Ocean During Southwest Monsoon Regimes. Geophysical Research Letters, 2018, 45, 6594-6603. | 4.0 | 34 |
| 8 | The Maddenâ€Julian oscillation detected in Aquarius salinity observations. Geophysical Research Letters, 2013, 40, 5461-5466. | 4.0 | 33 |
| 9 | Detection of Intraseasonal Oscillations in SMAP Salinity in the Bay of Bengal. Geophysical Research Letters, 2018, 45, 7057-7065. | 4.0 | 32 |
| 10 | Seasonal Variability of Salinity and Salt Transport in the Northern Indian Ocean. Journal of Physical Oceanography, 2015, 45, 1947-1966. | 1.7 | 31 |
| 11 | Variability of the Somali Current and eddies during the southwest monsoon regimes. Dynamics of Atmospheres and Oceans, 2017, 79, 43-55. | 1.8 | 27 |
| 12 | Seasonal variability of salt transport during the Indian Ocean monsoons. Journal of Geophysical Research, 2011, 116, . | 3.3 | 26 |
| 13 | Eddyâ€Induced Temperature and Salinity Variability in the Arabian Sea. Geophysical Research Letters, 2019, 46, 2734-2742. | 4.0 | 25 |
| 14 | Variability of salt flux in the Indian Ocean during 1960â€“2008. Remote Sensing of Environment, 2013, 134, 175-193. | 11.0 | 24 |
| 15 | Physical and biological responses to Hurricane Katrina (2005) in a 1/25Â° nested Gulf of Mexico HYCOM. Journal of Marine Systems, 2009, 78, 168-179. | 2.1 | 22 |
| 16 | On the dynamics of the <scp>S</scp>ri <scp>L</scp>anka <scp>D</scp>ome in the <scp>B</scp>ay of <scp>B</scp>engal. Journal of Geophysical Research: Oceans, 2017, 122, 7737-7750. | 2.6 | 21 |
| 17 | Loop Current and Eddyâ€Driven Salinity Variability in the Gulf of Mexico. Geophysical Research Letters, 2019, 46, 5978-5986. | 4.0 | 20 |
| 18 | Influence of the Madden-Julian Oscillation on sea surface salinity in the Indian Ocean. Geophysical Research Letters, 2011, 38, n/a-n/a. | 4.0 | 19 |

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|---|---|---|---|
| 19 | A new technique for the estimation of sea surface salinity in the tropical Indian Ocean from OLR. Journal of Geophysical Research, 2004, 109, . | 3.3 | 18 |
| 20 | Satellite Data Analysis of the Upper Ocean Response to Hurricanes Katrina and Rita (2005) in the Gulf of Mexico. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 132-136. | 3.1 | 18 |
| 21 | Detection of Rossby waves in multi-parameters in multi-mission satellite observations and HYCOM simulations in the Indian Ocean. Remote Sensing of Environment, 2009, 113, 1293-1303. | 11.0 | 18 |
| 22 | Influence of ENSO Events on the Agulhas Leakage Region. Remote Sensing in Earth Systems Sciences, 2018, 1, 79-88. | 1.8 | 18 |
| 23 | Indian Ocean Rossby waves detected in HYCOM sea surface salinity. Geophysical Research Letters, 2008, 35, . | 4.0 | 17 |
| 24 | Confirmation of ENSO-Southern Ocean Teleconnections Using Satellite-Derived SST. Remote Sensing, 2018, 10, 331. | 4.0 | 17 |
| 25 | Salt transport in the nearâ€surface layer in the monsoonâ€influenced Indian Ocean using HYCOM. Geophysical Research Letters, 2010, 37, . | 4.0 | 16 |
| 26 | Largeâ€Scale Fresh and Salt Water Exchanges in the Indian Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 6252-6269. | 2.6 | 16 |
| 27 | The Role of Salinity in the Southeastern Arabian Sea in Determining Monsoon Onset and Strength. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015592. | 2.6 | 16 |
| 28 | Eddy Surface Characteristics and Vertical Structure in the Gulf of Mexico from Satellite Observations and Model Simulations. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015538. | 2.6 | 16 |
| 29 | Quasi-biweekly oscillations in the Bay of Bengal in observations and model simulations. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 168, 104609. | 1.4 | 15 |
| 30 | Variability of Intraseasonal Oscillations and Synoptic Signals in Sea Surface Salinity in the Bay of Bengal. Journal of Climate, 2019, 32, 6703-6728. | 3.2 | 14 |
| 31 | Interactions Between Mesoscale Eddies and Synoptic Oscillations in the Bay of Bengal During the Strong Monsoon of 2019. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016772. | 2.6 | 14 |
| 32 | Monitoring Intraseasonal Oscillations in the Indian Ocean Using Satellite Observations. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015891. | 2.6 | 13 |
| 33 | Detection of intraseasonal oscillations in the Bay of Bengal using altimetry. Atmospheric Science Letters, 2019, 20, e920. | 1.9 | 12 |
| 34 | Tropical cyclone activity over the Southwest Tropical Indian Ocean. Journal of Geophysical Research: Oceans, 2016, 121, 6389-6402. | 2.6 | 11 |
| 35 | Spatial and temporal variability of central Indian Ocean salinity fronts observed by SMOS. Remote Sensing of Environment, 2016, 180, 146-153. | 11.0 | 11 |
| 36 | The Impact of the Maddenâ€“Julian Oscillation on Cyclone Amphan (2020) and Southwest Monsoon Onset. Remote Sensing, 2020, 12, 3011. | 4.0 | 10 |

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|---|---|---|---|
| 37 | Response of the Bay of Bengal to 3â€7â€Day Synoptic Oscillations During the Southwest Monsoon of 2019. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016200. | 2.6 | 10 |
| 38 | Detection of the Maddenâ€“Julian Oscillation in the Indian Ocean From Satellite Altimetry. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 441-445. | 3.1 | 9 |
| 39 | Investigating decadal changes in sea surface salinity in oceanic subtropical gyres. Geophysical Research Letters, 2015, 42, 7631-7638. | 4.0 | 9 |
| 40 | The role of salinity on the interannual variability of the Seychelles-Chagos thermocline ridge. Remote Sensing of Environment, 2016, 180, 178-192. | 11.0 | 9 |
| 41 | Investigating the Response of Temperature and Salinity in the Agulhas Current Region to ENSO Events. Remote Sensing, 2021, 13, 1829. | 4.0 | 9 |
| 42 | Sensitivity of the Indian Ocean circulation to phytoplankton forcing using an ocean model. Remote Sensing of Environment, 2008, 112, 1488-1496. | 11.0 | 8 |
| 43 | Maddenâ€Julian Oscillationâ€Induced Sea Surface Salinity Variability as Detected in Satelliteâ€Derived Salinity. Geophysical Research Letters, 2019, 46, 9748-9756. | 4.0 | 8 |
| 44 | Mesoscale eddy variability and its linkage to deep convection over the Bay of Bengal using satellite altimetric observations. Advances in Space Research, 2021, 68, 378-400. | 2.6 | 8 |
| 45 | Influence of Mesoscale Features on Mixed Layer Dynamics in the Arabian Sea. Journal of Geophysical Research: Oceans, 2019, 124, 3361-3377. | 2.6 | 6 |
| 46 | Estimation of Surface Freshwater Fluxes in the Arctic Ocean Using Satellite-Derived Salinity. Remote Sensing in Earth Systems Sciences, 2019, 2, 247-259. | 1.8 | 6 |
| 47 | Role of El NiÃ±o Southern Oscillation (ENSO) Events on Temperature and Salinity Variability in the Agulhas Leakage Region. Remote Sensing, 2018, 10, 127. | 4.0 | 5 |
| 48 | Surface Freshwater Fluxes in the Arctic and Subarctic Seas during Contrasting Years of High and Low Summer Sea Ice Extent. Remote Sensing, 2021, 13, 1570. | 4.0 | 5 |
| 49 | Intercomparison of Salinity Products in the Beaufort Gyre and Arctic Ocean. Remote Sensing, 2022, 14, 71. | 4.0 | 5 |
| 50 | Evidence of organized intraseasonal convection linked to ocean dynamics in the Seychellesâ€“Chagos thermocline ridge. Climate Dynamics, 2018, 51, 3405-3420. | 3.8 | 4 |
| 51 | Validation of Satellite-Derived Salinity in the Equatorial Pacific With Specific Emphasis on the 2014â€“15 ENSO Event. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1979-1983. | 3.1 | 3 |
| 52 | Decadal changes in salinity in the oceanic subtropical gyres. Journal of Geophysical Research: Oceans, 2017, 122, 336-354. | 2.6 | 3 |
| 53 | Oceanâ€“Atmosphere Interactions during Hurricanes Marco and Laura (2020). Remote Sensing, 2021, 13, 1932. | 4.0 | 3 |
| 54 | Oceanâ€“Atmosphere Variability in the Northwest Atlantic Ocean during Active Marine Heatwave Years. Remote Sensing, 2022, 14, 2913. | 4.0 | 3 |

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| 55 | Analysis of Coupled Oceanic and Atmospheric Preconditioning for Primary Maddenâ€Julian Oscillation Events Across ENSO Phases. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016358. | 2.6 | 2 |
| 56 | Lakshadweep High Propagation and Impacts on the Somali Current and Eddies During the Southwest Monsoon. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 2 |
| 57 | Satellite Data Analysis of the Upper Ocean Response to Hurricane Dorian (2019) in the North Atlantic Ocean. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 1 |