

M M Ali

List of Publications by Year in descending order

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73
papers

1,213
citations

430874

18
h-index

414414

32
g-index

76
all docs

76
docs citations

76
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Satellite-Derived Ocean Measurements to Tropical Cyclone Intensity Forecasting. <i>Oceanography</i> , 2009, 22, 190-197.	1.0	136
2	Ocean heat content for tropical cyclone intensity forecasting and its impact on storm surge. <i>Natural Hazards</i> , 2013, 66, 1481-1500.	3.4	98
3	Estimation of ocean subsurface thermal structure from surface parameters: A neural network approach. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	95
4	Effects of eddies on Bay of Bengal cyclone intensity. <i>Eos</i> , 2007, 88, 93-95.	0.1	88
5	Detection of Bay of Bengal eddies from TOPEX and <i>in situ</i> observations. <i>Journal of Marine Research</i> , 2000, 58, 721-734.	0.3	65
6	On the epochal variation of intensity of tropical cyclones in the Arabian Sea. <i>Atmospheric Science Letters</i> , 2013, 14, 249-255.	1.9	49
7	A Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Ocean. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 1114-1117.	3.1	42
8	Predicting cyclone tracks in the north Indian Ocean: An artificial neural network approach. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	37
9	Estimation of Sound Speed Profiles Using Artificial Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2006, 3, 467-470.	3.1	35
10	Impact of sea surface temperature in modulating movement and intensity of tropical cyclones. <i>Natural Hazards</i> , 2007, 41, 413-427.	3.4	35
11	Ocean Observations in Support of Studies and Forecasts of Tropical and Extratropical Cyclones. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
12	Relationship Between Cyclone Intensities and Sea Surface Temperature in the Tropical Indian Ocean. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 841-844.	3.1	29
13	Estimation of mixed-layer depth from surface parameters. <i>Journal of Marine Research</i> , 2006, 64, 745-758.	0.3	27
14	Statistical Evidence for the Role of Southwestern Indian Ocean Heat Content in the Indian Summer Monsoon Rainfall. <i>Scientific Reports</i> , 2018, 8, 12092.	3.3	25
15	On the dynamics of cyclogenesis, rapid intensification and recurvature of the very severe cyclonic storm, Ockhi. <i>Journal of Earth System Science</i> , 2020, 129, 1.	1.3	22
16	Use of Sea Surface Temperature for Cyclone Intensity Prediction Needs a Relook. <i>Eos</i> , 2013, 94, 177-177.	0.1	21
17	A softâ€ computing cyclone intensity prediction scheme for the Western North Pacific Ocean. <i>Atmospheric Science Letters</i> , 2013, 14, 187-192.	1.9	20
18	Validation of satellite-derived tropical cyclone heat potential with <i>in situ</i> observations in the North Indian Ocean. <i>Remote Sensing Letters</i> , 2012, 3, 615-620.	1.4	19

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19	Monsoonal intraseasonal oscillations in the ocean heat content over the surface layers of the Bay of Bengal. <i>Journal of Marine Systems</i> , 2017, 167, 19-32.	2.1	19
20	Estimation of sonic layer depth from surface parameters. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	18
21	Atmospheric CO ₂ Variations in Two Contrasting Environmental Sites Over India. <i>Air, Soil and Water Research</i> , 2014, 7, ASWR.S13987.	2.5	17
22	Distinctive features of rainfall over the Indian homogeneous rainfall regions between strong and weak Indian summer monsoons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5631-5647.	3.3	17
23	Seasonal Occurrence of Unique Sediment Plume in the Bay of Bengal. <i>Eos</i> , 2008, 89, 22-23.	0.1	16
24	Temporal Variations of Atmospheric CO ₂ in Dehradun, India during 2009. <i>Air, Soil and Water Research</i> , 2013, 6, ASWR.S10590.	2.5	15
25	Relationship between ocean mean temperatures and Indian summer monsoon rainfall. <i>Atmospheric Science Letters</i> , 2015, 16, 408-413.	1.9	15
26	Heat content of the Arabian Sea Mini Warm Pool is increasing. <i>Atmospheric Science Letters</i> , 2016, 17, 39-42.	1.9	15
27	Identification of Large-Scale Atmospheric and Oceanic Features from IRS-P4 Multifrequency Scanning Microwave Radiometer: Preliminary Results. <i>Journal of Atmospheric and Oceanic Technology</i> , 2002, 19, 1127-1134.	1.3	13
28	Interannual Variation of Eddy Kinetic Energy from TOPEX Altimeter Observations. <i>Marine Geodesy</i> , 1999, 22, 239-248.	2.0	12
29	A Neural Network Approach to Improve the Vertical Resolution of Atmospheric Temperature Profiles From Geostationary Satellites. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 34-37.	3.1	11
30	Net surface radiation retrieval using Earth Observation Satellite data and machine learning algorithm. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, II-8, 9-12.	0.0	11
31	Contribution of Monthly and Regional Rainfall to the Strength of Indian Summer Monsoon. <i>Monthly Weather Review</i> , 2016, 144, 3037-3055.	1.4	10
32	Global assessment of tropical cyclone intensity statistical dynamical hindcasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 2143-2156.	2.7	10
33	An Artificial Neural Network Model Function (AMF) for SARAL-Altika Winds. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5317-5323.	4.9	9
34	Estimation of mixed layer depth in the equatorial Indian Ocean using Geosat altimeter data. <i>Marine Geodesy</i> , 1994, 17, 63-72.	2.0	8
35	Estimation of Ship Velocities From MODIS and OCM. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2005, 2, 437-439.	3.1	8
36	Estimating Wind Stress at the Ocean Surface From Scatterometer Observations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 1129-1132.	3.1	8

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37	Estimation of Heat Content and Mean Temperature of Different Ocean Layers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1251-1255.	4.9	8
38	Inference of the reversal of mixed layer zonal slope along the Equatorial Indian Ocean using Geosat altimeter data. International Journal of Remote Sensing, 1993, 14, 2043-2049.	2.9	7
39	Application of Satellite Remote Sensing for Investigation of Suspended Sediment Dispersion Pattern in the Near Shore Region: A Case Study from the Central West Coast of India. Journal of Coastal Research, 2012, 280, 399-406.	0.3	7
40	Artificial Neural Network (ANN) Based Inversion of Benthic Substrate Bottom Type and Bathymetry in Optically Shallow Waters - Initial Model Results. Journal of the Indian Society of Remote Sensing, 2012, 40, 137-143.	2.4	7
41	Estimation of net surface radiation from eddy flux tower measurements using artificial neural network for cloudy skies. Sustainable Environment Research, 2016, 26, 44-50.	4.2	7
42	Estimation of sea level pressure fields during Cyclone Nilam from Oceansat-2 scatterometer winds. Atmospheric Science Letters, 2014, 15, 65-71.	1.9	5
43	DIURNAL AND SEASONAL VARIATION OF MEASURED ATMOSPHERIC CO ₂ AT DEHRADUN DURING 2009. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-8/W20, 87-90.	0.2	5
44	Impact of Ocean Currents on Wind Stress in the Tropical Indian Ocean. Remote Sensing, 2022, 14, 1547.	4.0	5
45	Estimation of the azimuthal velocity and the elevation of an eddy from simulated altimeter data. International Journal of Remote Sensing, 1992, 13, 2215-2222.	2.9	4
46	Obtaining sea surface height signals from ERS-1 altimeter data. Marine Geodesy, 1993, 16, 241-251.	2.0	4
47	Study of seasonal current variability in the Arabian Sea using Geosat altimeter data. International Journal of Remote Sensing, 1995, 16, 2691-2701.	2.9	4
48	Near-Real-Time Availability of Ocean Heat Content Over the North Indian Ocean. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1033-1036.	3.1	4
49	Retrieval of Wind Stress at the Ocean Surface From AltiKa Measurements. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 821-825.	3.1	4
50	A soft-computing ensemble approach (SC-SEA) to forecast Indian summer monsoon rainfall. Meteorological Applications, 2017, 24, 308-314.	2.1	4
51	Dominant Modes of Upper Ocean Heat Content in the North Indian Ocean. Climate, 2018, 6, 71.	2.8	4
52	Estimation of the horizontal velocity of the Socotra eddy and some observations of sea surface thermal features using INSAT-1B. International Journal of Remote Sensing, 1990, 11, 41-47.	2.9	3
53	Estimation of wind stress induced offshore upwelling. Continental Shelf Research, 1995, 15, 757-762.	1.8	3
54	Variation of mixed layer depth obtained from Geosat altimeter observations in the equatorial Indian Ocean. International Journal of Remote Sensing, 1996, 17, 1539-1545.	2.9	3

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55	Role of ocean heat content in boosting post-monsoon tropical storms over Bay of Bengal during La-Niña events. <i>Climate Dynamics</i> , 2019, 52, 7225-7234.	3.8	3
56	Statistical evidence on distinct impacts of short- and long-time fluctuations of Indian Ocean surface wind fields on Indian summer monsoon rainfall during 1991-2014. <i>Climate Dynamics</i> , 2020, 54, 3053-3076.	3.8	3
57	A comparison of the wind magnitudes obtained from the microwave radiometer onboard IRS-P4 satellite and the ERS-2 scatterometer. <i>International Journal of Remote Sensing</i> , 2005, 26, 2479-2485.	2.9	2
58	Satellite-Derived Ocean Heat Content Improves Cyclone Predictions: Utilization of Satellite-Derived Oceanic Heat Content for Cyclone Studies: Hyderabad, India, 25-26 March 2010. <i>Eos</i> , 2010, 91, 396-396.	0.1	2
59	Upper-Ocean Processes Controlling the Near-Surface Temperature in the Western Gulf of Mexico from a Multidecadal Numerical Simulation. <i>Earth</i> , 2022, 3, 493-521.	2.2	2
60	Observation of interannual sea level oscillations in the Indian Ocean using Geosat altimeter data. <i>Marine Geodesy</i> , 1994, 17, 1-9.	2.0	1
61	Studying Indian ocean typical dynamical phenomena using TOPEX observations. <i>Marine Geodesy</i> , 1998, 21, 193-201.	2.0	1
62	Estimation of upper ocean heat content from remote sensing observations in the Arabian Sea. , 2006, , .		1
63	An improved potential intensity estimate for Bay of Bengal tropical cyclones. <i>Natural Hazards</i> , 2020, 104, 2635-2644.	3.4	1
64	RECENT RESULTS FROM EO STUDIES ON INDIAN CARBON CYCLE ASSESSMENT. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXVIII-8/W20, 3-9.	0.2	1
65	Role of Sea Surface Temperature in Simulation of Arabian Sea Cyclone. , 2014, , 337-351.		1
66	Supplementing Oscat winds with Saral Altika observations for cyclone studies. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 1059-1064.	0.2	1
67	Role of absorbed solar radiation on Indian Ocean surface temperature: A case study for calm winds using satellite data. <i>Remote Sensing of Environment</i> , 1989, 30, 107-111.	11.0	0
68	Validity of ERS-1 altimeter corrections. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998, 36, 1003-1006.	6.3	0
69	Determination of dynamic heights in the Bay of Bengal from XBT profiles and climatological salinities. <i>Journal of Marine Research</i> , 2005, 63, 671-682.	0.3	0
70	Inter-comparison of NOAA-AVHRR and IRS-P4 (MSMR) derived sea surface temperatures. <i>International Journal of Remote Sensing</i> , 2006, 27, 3123-3130.	2.9	0
71	Correction to "A Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Ocean" [Nov 12 1114-1117]. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 642-642.	3.1	0
72	Estimation of net surface radiation using eddy flux tower data over a tropical mangrove forest of Sundarban, West Bengal. <i>Geofizika</i> , 2016, 33, 1-14.	0.4	0

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73	Impact of the Madden-Julian Oscillation on North Indian Ocean Cyclone Intensity. Atmosphere, 2021, 12, 1554.	2.3	0