M M Ali

List of Publications by Year
in descending order

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	Impact of Ocean Currents on Wind Stress in the Tropical Indian Ocean. Remote Sensing, 2022, 14, 1547.	4.0	5
2	Upper-Ocean Processes Controlling the Near-Surface Temperature in the Western Gulf of Mexico from a Multidecadal Numerical Simulation. Earth, 2022, 3, 493-521.	2.2	2
3	Impact of the Maddenâ€“Julian Oscillation on North Indian Ocean Cyclone Intensity. Atmosphere, 2021, 12, 1554.	2.3	0
4	An improved potential intensity estimate for Bay of Bengal tropical cyclones. Natural Hazards, 2020, 104, 2635-2644.	3.4	1
5	On the dynamics of cyclogenesis, rapid intensification and recurvature of the very severe cyclonic storm, Ockhi. Journal of Earth System Science, 2020, 129, 1.	1.3	22
6	Statistical evidence on distinct impacts of short- and long-time fluctuations of Indian Ocean surface wind fields on Indian summer monsoon rainfall during 1991â€“2014. Climate Dynamics, 2020, 54, 3053-3076.	3.8	3
7	Ocean Observations in Support of Studies and Forecasts of Tropical and Extratropical Cyclones. Frontiers in Marine Science, 2019, 6, .	2.5	31
8	Role of ocean heat content in boosting post-monsoon tropical storms over Bay of Bengal during La-NiÃ±a events. Climate Dynamics, 2019, 52, 7225-7234.	3.8	3
9	Dominant Modes of Upper Ocean Heat Content in the North Indian Ocean. Climate, 2018, 6, 71.	2.8	4
10	Statistical Evidence for the Role of Southwestern Indian Ocean Heat Content in the Indian Summer Monsoon Rainfall. Scientific Reports, 2018, 8, 12092.	3.3	25
11	A softâ€computing ensemble approach (<scp>SEA</scp>) to forecast <scp>I</scp>ndian summer monsoon rainfall. Meteorological Applications, 2017, 24, 308-314.	2.1	4
12	Global assessment of tropical cyclone intensity statisticalâ€“dynamical hindcasts. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2143-2156.	2.7	10
13	Monsoonal intraseasonal oscillations in the ocean heat content over the surface layers of the Bay of Bengal. Journal of Marine Systems, 2017, 167, 19-32.	2.1	19
14	Distinctive features of rainfall over the Indian homogeneous rainfall regions between strong and weak Indian summer monsoons. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5631-5647.	3.3	17
15	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
16	Heat content of the Arabian Sea Mini Warm Pool is increasing. Atmospheric Science Letters, 2016, 17, 39-42.	1.9	15
17	Contribution of Monthly and Regional Rainfall to the Strength of Indian Summer Monsoon. Monthly Weather Review, 2016, 144, 3037-3055.	1.4	10
18	Retrieval of Wind Stress at the Ocean Surface From AltiKa Measurements. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 821-825.	3.1	4

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19	Estimation of net surface radiation using eddy flux tower data over a tropical mangrove forest of Sundarban, West Bengal. Geofizika, 2016, 33, 1-14.	0.4	0
20	Relationship between ocean mean temperatures and Indian summer monsoon rainfall. Atmospheric Science Letters, 2015, 16, 408-413.	1.9	15
21	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
22	An Artificial Neural Network Model Function (AMF) for SARAL-Altika Winds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5317-5323.	4.9	9
23	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
24	Atmospheric CO2 Variations in Two Contrasting Environmental Sites Over India. Air, Soil and Water Research, 2014, 7, ASWR.S13987.	2.5	17
25	Estimation of sea level pressure fields during Cyclone Nilam from Oceansatâ€2 scatterometer winds. Atmospheric Science Letters, 2014, 15, 65-71.	1.9	5
26	Role of Sea Surface Temperature in Simulation of Arabian Sea Cyclone. , 2014, , 337-351.		1
27	Ocean heat content for tropical cyclone intensity forecasting and its impact on storm surge. Natural Hazards, 2013, 66, 1481-1500.	3.4	98
28	Relationship Between Cyclone Intensities and Sea Surface Temperature in the Tropical Indian Ocean. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 841-844.	3.1	29
29	A Neural Network Approach to Improve the Vertical Resolution of Atmospheric Temperature Profiles From Geostationary Satellites. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 34-37.	3.1	11
30	On the epochal variation of intensity of tropical cyclones in the Arabian Sea. Atmospheric Science Letters, 2013, 14, 249-255.	1.9	49
31	Use of Sea Surface Temperature for Cyclone Intensity Prediction Needs a Relook. Eos, 2013, 94, 177-177.	0.1	21
32	A softâ€computing cyclone intensity prediction scheme for the Western North Pacific Ocean. Atmospheric Science Letters, 2013, 14, 187-192.	1.9	20
33	Correction to â€œA Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Oceanâ€•[Nov 12 1114-1117]. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 642-642.	3.1	0
34	Estimating Wind Stress at the Ocean Surface From Scatterometer Observations. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1129-1132.	3.1	8
35	Temporal Variations of Atmospheric CO₂ in Dehradun, India during 2009. Air, Soil and Water Research, 2013, 6, ASWR.S10590.	2.5	15
36	Validation of satellite-derived tropical cyclone heat potential with in situ observations in the North Indian Ocean. Remote Sensing Letters, 2012, 3, 615-620.	1.4	19

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37	A Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Ocean. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1114-1117.	3.1	42
38	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
39	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
40	Satellite-Derived Ocean Heat Content Improves Cyclone Predictions: Utilization of Satellite-Derived Oceanic Heat Content for Cyclone Studies: Hyderabad, India, 25-26 March 2010. Eos, 2010, 91, 396-396.	0.1	2
41	Applications of Satellite-Derived Ocean Measurements to Tropical Cyclone Intensity Forecasting. Oceanography, 2009, 22, 190-197.	1.0	136
42	Seasonal Occurrence of Unique Sediment Plume in the Bay of Bengal. Eos, 2008, 89, 22-23.	0.1	16
43	Effects of eddies on Bay of Bengal cyclone intensity. Eos, 2007, 88, 93-95.	0.1	88
44	Predicting cyclone tracks in the north Indian Ocean: An artificial neural network approach. Geophysical Research Letters, 2007, 34, .	4.0	37
45	Estimation of sonic layer depth from surface parameters. Geophysical Research Letters, 2007, 34, .	4.0	18
46	Impact of sea surface temperature in modulating movement and intensity of tropical cyclones. Natural Hazards, 2007, 41, 413-427.	3.4	35
47	Interâ€comparison of NOAAâ€AVHRR and IRSâ€P4 (MSMR) derived sea surface temperatures. International Journal of Remote Sensing, 2006, 27, 3123-3130.	2.9	0
48	Estimation of upper ocean heat content from remote sensing observations in the Arabian Sea. , 2006, , .		1
49	Estimation of mixed-layer depth from surface parameters. Journal of Marine Research, 2006, 64, 745-758.	0.3	27
50	Estimation of Sound Speed Profiles Using Artificial Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 467-470.	3.1	35
51	Determination of dynamic heights in the Bay of Bengal from XBT profiles and climatological salinities. Journal of Marine Research, 2005, 63, 671-682.	0.3	0
52	Estimation of Ship Velocities From MODIS and OCM. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 437-439.	3.1	8
53	A comparison of the wind magnitudes obtained from the microwave radiometer onboard IRSâ€P4 satellite and the ERSâ€2 scatterometer. International Journal of Remote Sensing, 2005, 26, 2479-2485.	2.9	2
54	Estimation of ocean subsurface thermal structure from surface parameters: A neural network approach. Geophysical Research Letters, 2004, 31, .	4.0	95

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55	Identification of Large-Scale Atmospheric and Oceanic Features fromIRS-P4Multifrequency Scanning Microwave Radiometer: Preliminary Results. Journal of Atmospheric and Oceanic Technology, 2002, 19, 1127-1134.	1.3	13
56	Detection of Bay of Bengal eddies from TOPEX and <I>in situ</I> observations. Journal of Marine Research, 2000, 58, 721-734.	0.3	65
57	Interannual Variation of Eddy Kinetic Energy from TOPEX Altimeter Observations. Marine Geodesy, 1999, 22, 239-248.	2.0	12
58	Validity of ERS-1 altimeter corrections. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1003-1006.	6.3	0
59	Studying Indian ocean typical dynamical phenomena using TOPEX observations. Marine Geodesy, 1998, 21, 193-201.	2.0	1
60	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
61	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
62	Estimation of wind stress induced offshore upwelling. Continental Shelf Research, 1995, 15, 757-762.	1.8	3
63	Estimation of mixed layer depth in the equatorial Indian Ocean using Geosat altimeter data. Marine Geodesy, 1994, 17, 63-72.	2.0	8
64	Observation of interannual sea level oscillations in the Indian Ocean using Geosat altimeter data. Marine Geodesy, 1994, 17, 1-9.	2.0	1
65	Obtaining sea surface height signals from ERSâ€1 altimeter data. Marine Geodesy, 1993, 16, 241-251.	2.0	4
66	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
67	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
68	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
69	Role of absorbed solar radiation on Indian Ocean surface temperature: A case study for calm winds using satellite data. Remote Sensing of Environment, 1989, 30, 107-111.	11.0	0
70	Net surface radiation retrieval using Earth Observation Satellite data and machine learning algorithm. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-8, 9-12.	0.0	11
71	RECENT RESULTS FROM EO STUDIES ON INDIAN CARBON CYCLE ASSESSMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-8/W20, 3-9.	0.2	1
72	DIURNAL AND SEASONAL VARIATION OF MEASURED ATMOSPHERIC CO₂ 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

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73	Supplementing Oscat winds with Saral Altika observations for cyclone studies. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 1059-1064.	0.2	1