Anirban Mukhopadhyay

List of Publications by Year
in descending order

44 papers	1,468 citations	394286 19 h-index	330025 37 g-index
50 all docs	50 docs citations	50 times ranked	1840 citing authors

#	Article	IF	Citations
1	Mangrove monitoring in Lothian Island using airborne hyperspectral AVIRIS-NG data. Advances in Space Research, 2024, 73, 1427-1438.	1.2	3
2	SAR based flood risk analysis: A case study Kerala flood 2018. Advances in Space Research, 2022, 69, 1915-1929.	1.2	16
3	Evaluation of catchment hydrology and soil loss in non-perennial river system: a case study of Subarnarekha Basin, India. Modeling Earth Systems and Environment, 2022, 8, 2401-2429.	1.9	2
4	Mangrove classification using airborne hyperspectral AVIRIS-NG and comparing with other spaceborne hyperspectral and multispectral data. Egyptian Journal of Remote Sensing and Space Science, 2021, 24, 273-281.	1.1	21
5	Characterizing nutrient dynamics with relation to changes in partial pressure of CO_2 in a tropical sewage-fed aquaculture pond situated in a Ramsar wetland. Water and Environment Journal, 2020, 34, 259-273.	1.0	4
6	Scenarios of the Tropical Dry Forest of Purulia District West Bengal. Impact of Meat Consumption on Health and Environmental Sustainability, 2020, , 254-267.	0.4	1
7	Urban Growth Dynamics and Changing Land-Use Land-Cover of Megacity Kolkata and Its Environs. Journal of the Indian Society of Remote Sensing, 2019, 47, 1707-1725.	1.2	50
8	Role of lunar phases, rainfall, and wind in predicting Hilsa shad (*Tenualosa ilisha*) catch in the northern Bay of Bengal. Fisheries Oceanography, 2019, 28, 567-575.	0.9	8
9	Dynamics of the Sundarbans Forested Islands in the Context of Erosion-Accretion and Sea Level Rise. Coastal Research Library, 2019, , 491-506.	0.2	1
10	CO2 fluxes from aquaculture ponds of a tropical wetland: Potential of multiple lime treatment in reduction of CO2 emission. Science of the Total Environment, 2019, 655, 1321-1333.	3.9	21
11	Predicting coastal erosion in St. Kitts: Collaborating for nature and culture. Ocean and Coastal Management, 2018, 156, 156-169.	2.0	5
12	Mangrove species distribution and water salinity: an indicator species approach to Sundarban. Journal of Coastal Conservation, 2018, 22, 361-368.	0.7	40
13	An index for discrimination of mangroves from non-mangroves using LANDSAT 8 OLI imagery. MethodsX, 2018, 5, 1129-1139.	0.7	98
14	Threats to coral reef diversity of Andaman Islands, India: A review. Regional Studies in Marine Science, 2018, 24, 237-250.	0.4	20
15	Sea surface temperature and rainfall anomaly over the Bay of Bengal during the El Niño-Southern Oscillation and the extreme Indian Ocean Dipole events between 2002 and 2016. Remote Sensing Applications: Society and Environment, 2018, 12, 10-22.	0.8	14
16	Threats to coastal communities of Mahanadi delta due to imminent consequences of erosion – Present and near future. Science of the Total Environment, 2018, 637-638, 717-729.	3.9	31
17	Land Cover and Land Use Analysis in Coastal Bangladesh. , 2018, , 367-381.		15
18	Dynamics of the Sundarbans Mangroves in Bangladesh Under Climate Change. , 2018, , 489-503.		11

#	Article	IF	Citations
19	Integrative Analysis Applying the Delta Dynamic Integrated Emulator Model in South-West Coastal Bangladesh. , 2018, , 525-574.		3
20	Uncertainty of soil erosion modelling using open source high resolution and aggregated DEMs. Geoscience Frontiers, 2017, 8, 425-436.	4.3	51
21	Potential CO2 Emission Due to Loss of Above Ground Biomass from the Indian Sundarban Mangroves During the Last Four Decades. Journal of the Indian Society of Remote Sensing, 2017, 45, 147-154.	1.2	22
22	Application of Cellular automata and Markov-chain model in geospatial environmental modeling- A review. Remote Sensing Applications: Society and Environment, 2017, 5, 64-77.	0.8	106
23	Nutrient dynamics of northern Bay of Bengal (nBoB)â€"Emphasizing the role of tides. Regional Studies in Marine Science, 2017, 10, 116-134.	0.4	27
24	Spatial soil organic carbon (SOC) prediction by regression kriging using remote sensing data. Egyptian Journal of Remote Sensing and Space Science, 2017, 20, 61-70.	1.1	67
25	Identification of River Discontinuity Using Geo-Informatics to Improve Freshwater Flow and Ecosystem Services in Indian Sundarban Delta. Springer Remote Sensing/photogrammetry, 2017, , 137-152.	0.4	9
26	Blue Carbon Stock of the Bangladesh Sundarban Mangroves: What could Be the Scenario after a Century?. Wetlands, 2016, 36, 1033-1045.	0.7	22
27	Projected changes in area of the Sundarban mangrove forest in Bangladesh due to SLR by 2100. Climatic Change, 2016, 139, 279-291.	1.7	90
28	Characterizing the 2D shape complexity dynamics of the islands of Sundarbans, Bangladesh: a fractal dimension approach. Environmental Earth Sciences, 2016, 75, 1.	1.3	6
29	Is shrimp farming a successful adaptation to salinity intrusion? A geospatial associative analysis of poverty in the populous Gangesâ€"Brahmaputraâ€"Meghna Delta of Bangladesh. Sustainability Science, 2016, 11, 423-439.	2.5	67
30	Disappearance of the New Moore Island from the Southernmost Coastal Fringe of the Sundarban Delta - A Case Study. Journal of the Indian Society of Remote Sensing, 2016, 44, 479-484.	1.2	10
31	Mangrove associates versus true mangroves: a comparative analysis of leaf litter decomposition in Sundarban. Wetlands Ecology and Management, 2016, 24, 293-315.	0.7	29
32	Characterizing the multi-risk with respect to plausible natural hazards in the Balasore coast, Odisha, India: a multi-criteria analysis (MCA) appraisal. Natural Hazards, 2016, 80, 1495-1513.	1.6	14
33	Implementing a Spatial Model to Derive Potential Fishing Zones in the Northern Bay of Bengal Lying Adjacent to West Bengal Coast, India. Journal of the Indian Society of Remote Sensing, 2016, 44, 59-66.	1.2	5
34	Comparing the Spatio-Temporal Variability of Remotely Sensed Oceanographic Parameters between the Arabian Sea and Bay of Bengal throughout a Decade. Current Science, 2016, 110, 627.	0.4	2
35	Implications of agricultural land use change to ecosystem services in the Ganges delta. Journal of Environmental Management, 2015, 161, 443-452.	3.8	50
36	Accuracy of Cartosat-1 DEM and its derived attribute at multiple scale representation. Journal of Earth System Science, 2015, 124, 487-495.	0.6	10

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37	Changes in mangrove species assemblages and future prediction of the Bangladesh Sundarbans using Markov chain model and cellular automata. Environmental Sciences: Processes and Impacts, 2015, 17, 1111-1117.	1.7	36
38	Forest cover change prediction using hybrid methodology of geoinformatics and Markov chain model: A case study on sub-Himalayan town Gangtok, India. Journal of Earth System Science, 2014, 123, 1349-1360.	0.6	14
39	A study on abundance and distribution of mangrove species in Indian Sundarban using remote sensing technique. Journal of Coastal Conservation, 2014, 18, 359-367.	0.7	80
40	Flood Hazard in Bihar. SpringerBriefs in Earth Sciences, 2014, , 1-22.	0.5	0
41	Conclusion and Recommendation. SpringerBriefs in Earth Sciences, 2014, , 55-63.	0.5	1
42	Evaluation of vertical accuracy of open source Digital Elevation Model (DEM). International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 205-217.	1.4	258
43	Automatic shoreline detection and future prediction: A case study on Puri Coast, Bay of Bengal, India. European Journal of Remote Sensing, 2012, 45, 201-213.	1.7	90
44	Geomorphological study of sundarban deltaic estuary. Journal of the Indian Society of Remote Sensing, 2006, 34, 431-435.	1.2	28