Dipnarayan Ganguly

List of Publications by Year
in descending order

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43 papers	1,338 citations	394421 19 h-index	345221 36 g-index
45 all docs	45 docs citations	45 times ranked	1266 citing authors

#	Article	IF	Citations
1	Microplastics along the beaches of southeast coast of India. Science of the Total Environment, 2018, 645, 1388-1399.	8.0	280
2	Carbon sequestration and annual increase of carbon stock in a mangrove forest. Atmospheric Environment, 2011, 45, 5016-5024.	4.1	178
3	Holistic assessment of microplastics in various coastal environmental matrices, southwest coast of India. Science of the Total Environment, 2020, 703, 134947.	8.0	154
4	Comparative Analysis of Phytoplankton Composition and Abundance over a Two-Decade Period at the Landâ€“Ocean Boundary of a Tropical Mangrove Ecosystem. Estuaries and Coasts, 2010, 33, 384-394.	2.2	73
5	Influence of nutrient input on the trophic state of a tropical brackish water lagoon. Journal of Earth System Science, 2015, 124, 1005-1017.	1.3	52
6	Energy dynamics and its implication to biosphereâ€“atmosphere exchange of CO2, H2O and CH4 in a tropical mangrove forest canopy. Atmospheric Environment, 2008, 42, 4172-4184.	4.1	46
7	Plankton metabolic processes and its significance on dissolved organic carbon pool in a tropical brackish water lagoon. Continental Shelf Research, 2013, 61-62, 52-61.	1.8	29
8	Valuing the carbon sequestration regulation service by seagrass ecosystems of Palk Bay and Chilika, India. Ocean and Coastal Management, 2018, 159, 26-33.	4.4	29
9	Geomorphological study of sundarban deltaic estuary. Journal of the Indian Society of Remote Sensing, 2006, 34, 431-435.	2.4	28
10	Seagrass and macrophyte mediated CO2 and CH4 dynamics in shallow coastal waters. PLoS ONE, 2018, 13, e0203922.	2.5	28
11	Seagrass metabolism and carbon dynamics in a tropical coastal embayment. Ambio, 2017, 46, 667-679.	5.5	27
12	Biogeochemical controls of arsenic occurrence and mobility in the Indian Sundarban mangrove ecosystem. Marine Pollution Bulletin, 2009, 58, 652-657.	5.0	26
13	Coupled micrometeorological and biological processes on atmospheric CO2 concentrations at the landâ€“ocean boundary, NE coast of India. Atmospheric Environment, 2011, 45, 3903-3910.	4.1	24
14	Variable response of two tropical phytoplankton species at different salinity and nutrient condition. Journal of Experimental Marine Biology and Ecology, 2013, 440, 244-249.	1.5	24
15	Seagrass meadows as proxy for assessment of ecosystem health. Ocean and Coastal Management, 2018, 159, 34-45.	4.4	23
16	COVID-19 restrictions and their influences on ambient air, surface water and plastic waste in a coastal megacity, Chennai, India. Marine Pollution Bulletin, 2021, 171, 112739.	5.0	23
17	Formation, transformation, and removal of aerosol over a tropical mangrove forest. Journal of Geophysical Research, 2006, 111, .	3.3	21
18	Adsorption kinetic control of As(III & V) mobilization and sequestration by Mangrove sediment. Environmental Earth Sciences, 2012, 65, 2027-2036.	2.7	21

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19	Influence of suspended particulate matter on nutrient biogeochemistry of a tropical shallow lagoon, Chilika, India. Limnology, 2016, 17, 223-238.	1.5	20
20	Comparison of Monsoonal change of water quality parameters between 1983 and 2008 in a tropical estuary in Northeastern India: role of phytoplankton and community metabolism. Marine Ecology, 2013, 34, 14-29.	1.1	19
21	CO₂ Saturation and Trophic Shift Induced by Microbial Metabolic Processes in a River-Dominated Ocean Margin (Tropical Shallow Lagoon, Chilika, India). Geomicrobiology Journal, 2016, 33, 513-529.	2.0	18
22	Biosphereâ€atmosphere exchange of NO_x in the tropical mangrove forest. Journal of Geophysical Research, 2009, 114, .	3.3	17
23	Microplastic pollution in fragile coastal ecosystems with special reference to the X-Press Pearl maritime disaster, southeast coast of India. Environmental Pollution, 2022, 305, 119297.	7.5	16
24	Intra-Annual Variation of Modern Foraminiferal Assemblage in a Tropical Mangrove Ecosystem in India. Wetlands, 2012, 32, 813-826.	1.5	15
25	Seagrass Ecosystem and Climate Change: An Indian Perspective. Journal of Climate Change, 2015, 1, 67-74.	0.5	14
26	Methane flux dynamics in relation to methanogenic and methanotrophic populations in the soil of Indian Sundarban mangroves. Marine Ecology, 2018, 39, e12493.	1.1	13
27	Seagrass litter decomposition: an additional nutrient source to shallow coastal waters. Environmental Monitoring and Assessment, 2019, 191, 5.	2.7	13
28	Both riverine detritus and dissolved nutrients drive lagoon fisheries. Estuarine, Coastal and Shelf Science, 2016, 183, 360-369.	2.1	12
29	Temporal variability of atmospheric Total Gaseous Mercury and its correlation with meteorological parameters at a high-altitude station of the South India. Atmospheric Pollution Research, 2017, 8, 164-173.	3.8	12
30	A Depth Wise Diversity of Free Living N₂ Fixing and Nitrifying Bacteria and Its Seasonal Variation with Nitrogen Containing Nutrients in the Mangrove Sediments of Sundarban, WB, India. Open Journal of Marine Science, 2013, 03, 112-119.	0.5	11
31	Assessment of bioavailable nitrogen and phosphorus content in the sediments of Indian mangroves. Environmental Science and Pollution Research, 2021, 28, 42051-42069.	5.3	9
32	Integrated Management of the Ganges Delta, India. , 2019, , 187-211.		7
33	Nitrogen Assessment in Indian Coastal Systems. , 2017, , 361-379.		6
34	Biogenic hydrogen sulphide emissions and non-sea sulfate aerosols over the Indian Sundarban mangrove forest. Journal of Atmospheric Chemistry, 2018, 75, 319-333.	3.2	6
35	Spatial heterogeneity of mesozooplankton along the tropical coastal waters. Continental Shelf Research, 2020, 206, 104193.	1.8	6
36	Isotopic composition (C & N) of the suspended particles and N uptake by phytoplankton in a shallow tropical coastal lagoon. Chemistry and Ecology, 2017, 33, 708-724.	1.6	5

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37	In situ Photosynthetic Activities and Associated Biogeochemical Changes in Three Tropical Seagrass Species. Frontiers in Earth Science, 2020, 8, .	1.8	4
38	Distribution and dynamics of particulate organic matter in Indian mangroves during dry period. Environmental Science and Pollution Research, 2022, 29, 64150-64161.	5.3	4
39	Microbial Methane Production-Oxidation Profile in the Soil of Mangrove and Paddy Fields of West Bengal, India. Geomicrobiology Journal, 2021, 38, 220-230.	2.0	3
40	Monsoonal Influence on Evapotranspiration of the Tropical Mangrove Forest in Northeast India. American Journal of Climate Change, 2014, 03, 232-244.	0.9	3
41	Interspecific variations in mangrove stem biomass: A potential storehouse of sequestered carbon. Regional Studies in Marine Science, 2021, 48, 102044.	0.7	3
42	The first report of Glomalin from the Sundarban Mangrove Biosphere Reserve, India, a long-term sediment Carbon storage. Regional Studies in Marine Science, 2020, 39, 101398.	0.7	2
43	Depth profile exploration of enzyme activity and culturable microbial community from the oxygen-starved soil of Sundarban mangrove forest, India. Open Journal of Ecology, 2011, 01, 65-72.	1.0	2