

Subrata Nandy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9157448/publications.pdf>

Version: 2024-02-01

69
papers

2,307
citations

201385

27
h-index

233125

45
g-index

69
all docs

69
docs citations

69
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate vulnerability index - measure of climate change vulnerability to communities: a case of rural Lower Himalaya, India. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2012, 17, 487-506.	1.0	191
2	Sustainable livelihood framework-based indicators for assessing climate change vulnerability and adaptation for Himalayan communities. <i>Ecological Indicators</i> , 2017, 79, 338-346.	2.6	186
3	The Multidimensional Livelihood Vulnerability Index – an instrument to measure livelihood vulnerability to change in the Hindu Kush Himalayas. <i>Climate and Development</i> , 2017, 9, 124-140.	2.2	116
4	Forest cover dynamics analysis and prediction modeling using logistic regression model. <i>Ecological Indicators</i> , 2014, 45, 444-455.	2.6	110
5	Assessing the vulnerability of socio-environmental systems to climate change along an altitude gradient in the Indian Himalayas. <i>Ecological Indicators</i> , 2019, 106, 105512.	2.6	95
6	Forest aboveground biomass estimation using machine learning regression algorithm in Yok Don National Park, Vietnam. <i>Ecological Informatics</i> , 2019, 50, 24-32.	2.3	93
7	Mapping socio-environmental vulnerability to climate change in different altitude zones in the Indian Himalayas. <i>Ecological Indicators</i> , 2020, 109, 105787.	2.6	93
8	Environmental vulnerability assessment of eco-development zone of Great Himalayan National Park, Himachal Pradesh, India. <i>Ecological Indicators</i> , 2015, 57, 182-195.	2.6	77
9	Mapping Forest Height and Aboveground Biomass by Integrating ICESat-2, Sentinel-1 and Sentinel-2 Data Using Random Forest Algorithm in Northwest Himalayan Foothills of India. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093799.	1.5	73
10	Estimating leaf area index and light extinction coefficient using Random Forest regression algorithm in a tropical moist deciduous forest, India. <i>Ecological Informatics</i> , 2019, 52, 94-102.	2.3	66
11	Climate change vulnerability and adaptation strategies for smallholder farmers in Yangi Qala District, Takhar, Afghanistan. <i>Ecological Indicators</i> , 2020, 110, 105863.	2.6	65
12	Neural network-based modelling for forest biomass assessment. <i>Carbon Management</i> , 2017, 8, 305-317.	1.2	64
13	Mapping the effect of climate change on community livelihood vulnerability in the riparian region of Gangaic Plain, India. <i>Ecological Indicators</i> , 2020, 119, 106815.	2.6	58
14	Climate change vulnerability in urban slum communities: Investigating household adaptation and decision-making capacity in the Indian Himalaya. <i>Ecological Indicators</i> , 2018, 90, 379-391.	2.6	57
15	Mountain specific multi-hazard risk management framework (MSMRMF): Assessment and mitigation of multi-hazard and climate change risk in the Indian Himalayan Region. <i>Ecological Indicators</i> , 2020, 118, 106700.	2.6	56
16	Study on the utility of IRS 1D LISS-III data and the classification techniques for mapping of Sunderban mangroves. <i>Journal of Coastal Conservation</i> , 2011, 15, 123-137.	0.7	47
17	Species diversity and community structure in sal (<i>Shorea robusta</i>) forests of two different rainfall regimes in West Bengal, India. <i>Biodiversity and Conservation</i> , 2012, 21, 1215-1228.	1.2	45
18	Assessing climate change vulnerability of water at household level. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 1471-1485.	1.0	41

#	ARTICLE	IF	CITATIONS
19	Empirical assessment of adaptation to climate change impacts of mountain households: development and application of an Adaptation Capability Index. <i>Journal of Mountain Science</i> , 2016, 13, 1503-1514.	0.8	41
20	Assessing tree diversity and carbon storage during land use transitioning from shifting cultivation to indigenous agroforestry systems: Implications for REDD+ initiatives. <i>Journal of Environmental Management</i> , 2021, 298, 113470.	3.8	41
21	Monitoring the Chilla Motichur wildlife corridor using geospatial tools. <i>Journal for Nature Conservation</i> , 2007, 15, 237-244.	0.8	37
22	Forest degradation assessment in the upper catchment of the river Tons using remote sensing and GIS. <i>Ecological Indicators</i> , 2011, 11, 509-513.	2.6	37
23	Mapping aboveground woody biomass using forest inventory, remote sensing and geostatistical techniques. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 308.	1.3	36
24	Optimizing spaceborne LiDAR and very high resolution optical sensor parameters for biomass estimation at ICESat/GLAS footprint level using regression algorithms. <i>Progress in Physical Geography</i> , 2017, 41, 247-267.	1.4	36
25	Micro-level adaptation strategies by smallholders to adapt climate change in the least developed countries (LDCs): Insights from Afghanistan. <i>Ecological Indicators</i> , 2020, 118, 106781.	2.6	33
26	Climate change vulnerability assessment of urban informal settlers in Nepal, a least developed country. <i>Journal of Cleaner Production</i> , 2021, 307, 127213.	4.6	33
27	Estimating aboveground biomass in <i>Avicennia marina</i> plantation in Indian Sundarbans using high-resolution satellite data. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083638.	0.6	32
28	Assessment of historical forest cover loss and fragmentation in Asian elephant ranges in India. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 802.	1.3	29
29	Forest canopy density stratification using biophysical modeling. <i>Journal of the Indian Society of Remote Sensing</i> , 2003, 31, 291-297.	1.2	28
30	Mapping plant functional types in Northwest Himalayan foothills of India using random forest algorithm in Google Earth Engine. <i>International Journal of Remote Sensing</i> , 2020, 41, 7296-7309.	1.3	28
31	Spatio-temporal variability of water use efficiency and its drivers in major forest formations in India. <i>Remote Sensing of Environment</i> , 2022, 269, 112791.	4.6	26
32	Growing stock and woody biomass assessment in Asola-Bhatti Wildlife Sanctuary, Delhi, India. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5911-5920.	1.3	22
33	Does spatial heterogeneity of landscape explain the process of plant invasion? A case study of <i>Hyptis suaveolens</i> from Indian Western Himalaya. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 794.	1.3	21
34	Comparing tree diversity and population structure between a traditional agroforestry system and natural forests of Barak valley, Northeast India. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2013, 9, 104-113.	2.9	20
35	Integration of eddy covariance and process-based model for the intra-annual variability of carbon fluxes in an Indian tropical forest. <i>Biodiversity and Conservation</i> , 2019, 28, 2123-2141.	1.2	18
36	Remote Sensing-Based Forest Biomass Assessment in Northwest Himalayan Landscape. , 2019, , 285-311.		17

#	ARTICLE	IF	CITATIONS
37	SARAL/AltiKa Waveform Analysis to Monitor Inland Water Levels: A Case Study of Maithon Reservoir, Jharkhand, India. <i>Marine Geodesy</i> , 2015, 38, 597-613.	0.9	16
38	Environmental control on carbon exchange of natural and planted forests in Western Himalayan foothills of India. <i>Biogeochemistry</i> , 2020, 151, 291-311.	1.7	16
39	Geospatial modelling of biological richness in Sunderbans. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 431-440.	1.2	15
40	Resource Availability Versus Resource Extraction in Forests: Analysis of Forest Fodder System in Forest Density Classes in Lower Himalayas, India. <i>Small-Scale Forestry</i> , 2014, 13, 267-279.	0.7	14
41	Monitoring and predicting regional land use and land cover changes in an estuarine landscape of India. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 124.	1.3	14
42	Forest Cover Monitoring and Prediction in A Lesser Himalayan Elephant Landscape. <i>Current Science</i> , 2018, 115, 510.	0.4	14
43	Phenology and culm growth of <i>Melocanna baccifera</i> (Roxb.) Kurtz in Barak Valley, North-East India. <i>Perspectives on Global Development and Technology</i> , 2004, 3, 27-34.	0.2	13
44	The Potential Applications of Satellite Altimetry with SARAL/AltiKa for Indian Inland Waters. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 661-677.	0.8	12
45	Identification of Swamp Deer (<i>Cervus duvauceli duvauceli</i> Cuvier) Potential Habitat in Jhilmil Jheel Conservation Reserve, Uttarakhand, India Using Multi-Criteria Analysis. <i>Environmental Management</i> , 2012, 49, 902-914.	1.2	10
46	Trends of sea level in the Bay of Bengal using altimetry and other complementary techniques. <i>Journal of Spatial Science</i> , 2018, 63, 49-62.	1.0	9
47	Mapping spatial variability of foliar nitrogen and carbon in Indian tropical moist deciduous sal (<i>Shorea robusta</i>) forest using machine learning algorithms and Sentinel-2 data. <i>International Journal of Remote Sensing</i> , 2021, 42, 1139-1159.	1.3	9
48	The role of information infrastructure for climate change adaptation in the socio-ecological system of the Central Himalaya: availability, utility, and gaps. <i>Socio-Ecological Practice Research</i> , 2021, 3, 397-410.	0.9	9
49	Are phenological variations in natural teak (<i>Tectona grandis</i>) forests of India governed by rainfall? A remote sensing based investigation. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 786.	1.3	8
50	Climate change water vulnerability and adaptation mechanism in a Himalayan City, Nainital, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 85904-85921.	2.7	8
51	Seasonal dynamics and impact factors of atmospheric CO ₂ concentration over subtropical forest canopies: observation from eddy covariance tower and OCO-2 satellite in Northwest Himalaya, India. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 106.	1.3	7
52	Forest biomass extraction for livestock feed and associated carbon analysis in lower Himalayas, India. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 879-888.	1.0	6
53	Land Cover Classification Using ICESat/GLAS Full Waveform Data. <i>Journal of the Indian Society of Remote Sensing</i> , 2017, 45, 327-335.	1.2	6
54	Spatial patterns of plant functional types and environmental proxies of plant richness in alpine region of Western Himalaya, India. <i>Biodiversity and Conservation</i> , 2019, 28, 2221-2244.	1.2	6

#	ARTICLE	IF	CITATIONS
55	Spatio-temporal variability of gross primary productivity in moist and dry deciduous plant functional types of Northwest Himalayan foothills of India using temperature-greenness model. <i>Geocarto International</i> , 2022, 37, 2055-2067.	1.7	6
56	Landsat-based multi-decadal spatio-temporal assessment of the vegetation greening and browning trend in the Eastern Indian Himalayan Region. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 25, 100695.	0.8	6
57	Random forest regression modelling for forest aboveground biomass estimation using RISAT-1 PolSAR and terrestrial LiDAR data. <i>Proceedings of SPIE</i> , 2016, , .	0.8	5
58	Habitat Suitability Analysis of Himalayan Musk Deer (<i>Moschus leucogaster</i>) in Part of Western Himalaya, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 1523-1533.	1.2	5
59	Assessment of sal (<i>Shorea robusta</i>) forest phenology and its response to climatic variables in India. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 616.	1.3	4
60	Coupling Earth observation and eddy covariance data in light-use efficiency based model for estimation of forest productivity. <i>Geocarto International</i> , 2022, 37, 7716-7732.	1.7	4
61	A new method for SARAL/AltiKa waveform classification: contextual analysis over the Maithon Reservoir, Jharkhand, India. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
62	CO2 Flux Tower and Remote Sensing: Tools for Monitoring Carbon Exchange over Ecosystem Scale in Northwest Himalaya. , 2019, , 313-327.		3
63	Fusing Airborne Laser Scanning and Rapideye Sensor Parameters for Tropical Forest Biomass Estimation of Nepal. , 2019, , .		2
64	High-Resolution Mapping of Forest Carbon Stock Using Object-Based Image Analysis (OBIA) Technique. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 865-875.	1.2	2
65	Shifting shoreline of the estuarine landscape in the East Godavari district of Andhra Pradesh, India. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	2
66	Measuring evapotranspiration by eddy covariance method and understanding its biophysical controls in moist deciduous forest of northwest Himalayan foothills of India. <i>Tropical Ecology</i> , 2022, 63, 387-397.	0.6	2
67	Site suitability analysis for khair(<i>ACACIA CATECHU</i>) in part of doon valley using geoinformatics. <i>Journal of the Indian Society of Remote Sensing</i> , 2006, 34, 187-191.	1.2	1
68	Wildlife Habitat Evaluation in Mountainous Landscapes. , 2019, , 341-352.		1
69	FOREST ECOSYSTEM DYNAMICS ASSESSMENT AND PREDICTIVE MODELLING IN EASTERN HIMALAYA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXVIII-8/W20, 155-161.	0.2	1