

Arun Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,149
citations

411340

20
h-index

488211

31
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34
all docs

34
docs citations

34
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	Land use, climate, and water change in the Vietnamese Mekong Delta (VMD) using earth observation and hydrological modeling. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101132.	1.0	7
2	Estimation of total water storage changes in India. <i>International Journal of Digital Earth</i> , 2021, 14, 1294-1315.	1.6	5
3	Dynamic status of land surface temperature and spectral indices in Imphal city, India from 1991 to 2021. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 3265-3286.	2.0	20
4	A comparative study of soil erosion modelling by MMF, USLE and RUSLE. <i>Geocarto International</i> , 2018, 33, 89-103.	1.7	37
5	Intercomparison of trend analysis of Multisatellite Monthly Precipitation Products and Gauge Measurements for River Basins of India. <i>Journal of Hydrology</i> , 2018, 565, 779-790.	2.3	76
6	Projecting Climate and Land Use Change Impacts on Actual Evapotranspiration for the Narmada River Basin in Central India in the Future. <i>Remote Sensing</i> , 2018, 10, 578.	1.8	25
7	Impact of landuse/land cover change on run-off in the catchment of a hydro power project. <i>Applied Water Science</i> , 2017, 7, 787-800.	2.8	29
8	Uncertainty analysis of soil erosion modelling using different resolution of open-source DEMs. <i>Geocarto International</i> , 2017, 32, 334-349.	1.7	25
9	Climate change impact on soil erosion in the Mandakini River Basin, North India. <i>Applied Water Science</i> , 2017, 7, 2373-2383.	2.8	31
10	Uncertainty of soil erosion modelling using open source high resolution and aggregated DEMs. <i>Geoscience Frontiers</i> , 2017, 8, 425-436.	4.3	51
11	Future changes in rainfall, temperature and reference evapotranspiration in the central India by least square support vector machine. <i>Geoscience Frontiers</i> , 2017, 8, 583-596.	4.3	38
12	Past, present and future land use changes and their impact on water balance. <i>Journal of Environmental Management</i> , 2017, 197, 582-596.	3.8	81
13	Individual and combined impacts of future climate and land use changes on the water balance. <i>Ecological Engineering</i> , 2017, 105, 42-57.	1.6	98
14	Landuse change impact on sub-watersheds prioritization by analytical hierarchy process (AHP). <i>Ecological Informatics</i> , 2017, 42, 100-113.	2.3	39
15	Spatial soil organic carbon (SOC) prediction by regression kriging using remote sensing data. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2017, 20, 61-70.	1.1	67
16	Interrelationship of rainfall, temperature and reference evapotranspiration trends and their net response to the climate change in Central India. <i>Theoretical and Applied Climatology</i> , 2017, 130, 879-900.	1.3	30
17	Identification of Crop Types with the Fuzzy Supervised Classification Using AWiFS and LISS-III Images. <i>Springer Remote Sensing/photogrammetry</i> , 2017, , 73-86.	0.4	1
18	Impact assessment of climate change on future soil erosion and SOC loss. <i>Natural Hazards</i> , 2016, 82, 1515-1539.	1.6	30

#	ARTICLE	IF	CITATIONS
19	Change in rainfall erosivity in the past and future due to climate change in the central part of India. International Soil and Water Conservation Research, 2016, 4, 186-194.	3.0	46
20	Trends of rainfall and temperature in Tawa canal command, Madhya Pradesh, India. Journal of Agrometeorology, 2016, 18, 333-334.	0.2	0
21	Analysis of spatial and temporal variation in rainfall trend of Madhya Pradesh, India (1901â€“2011). Environmental Earth Sciences, 2015, 73, 8197-8216.	1.3	62
22	Impact of landuse/land cover change on run-off in a catchment of Narmada river in India. Applied Geomatics, 2015, 7, 23-35.	1.2	17
23	Impact of Climate Change on Future Soil Erosion in Different Slope, Land Use, and Soil-Type Conditions in a Part of the Narmada River Basin, India. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	54
24	Spatial and temporal analysis of rainfall and temperature trend of India. Theoretical and Applied Climatology, 2015, 122, 143-158.	1.3	181
25	Flood monitoring using microwave remote sensing in a part of Nuna river basin, Odisha, India. Natural Hazards, 2015, 76, 123-138.	1.6	25
26	Shifting shoreline of Sagar Island Delta, India. Journal of Maps, 2014, 10, 612-619.	1.0	23
27	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
28	Long Term Rainfall Trend Analysis (1871â€“2011) for Whole India. Advances in Geographical and Environmental Sciences, 2014, , 45-60.	0.4	13
29	Multiple Linear Regression Based Statistical Downscaling of Daily Precipitation in a Canal Command. Advances in Geographical and Environmental Sciences, 2014, , 73-83.	0.4	4
30	Detection of Land Use Change and Future Prediction with Markov Chain Model in a Part of Narmada River Basin, Madhya Pradesh. Advances in Geographical and Environmental Sciences, 2014, , 3-14.	0.4	13
31	Landuse Change Prediction and Its Impact on Surface Run-off Using Fuzzy C-Mean, Markov Chain and Curve Number Methods. Advances in Intelligent Systems and Computing, 2014, , 365-376.	0.5	4
32	Crop Identification by Fuzzy C-Mean in Ravi Season Using Multi-Spectral Temporal Images. Advances in Intelligent Systems and Computing, 2014, , 391-401.	0.5	3
33	Neural Method for Site-Specific Yield Prediction. Advances in Intelligent Systems and Computing, 2014, , 237-246.	0.5	0