

Arun Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,149
citations

361413

20
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

1279
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Spatial and temporal analysis of rainfall and temperature trend of India. Theoretical and Applied Climatology, 2015, 122, 143-158. | 2.8 | 181 |
| 2 | Individual and combined impacts of future climate and land use changes on the water balance. Ecological Engineering, 2017, 105, 42-57. | 3.6 | 98 |
| 3 | Past, present and future land use changes and their impact on water balance. Journal of Environmental Management, 2017, 197, 582-596. | 7.8 | 81 |
| 4 | Intercomparison of trend analysis of Multisatellite Monthly Precipitation Products and Gauge Measurements for River Basins of India. Journal of Hydrology, 2018, 565, 779-790. | 5.4 | 76 |
| 5 | 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. | 2.0 | 67 |
| 6 | Analysis of spatial and temporal variation in rainfall trend of Madhya Pradesh, India (1901-2011). Environmental Earth Sciences, 2015, 73, 8197-8216. | 2.7 | 62 |
| 7 | 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, . | 1.9 | 54 |
| 8 | Uncertainty of soil erosion modelling using open source high resolution and aggregated DEMs. Geoscience Frontiers, 2017, 8, 425-436. | 8.4 | 51 |
| 9 | 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. | 6.5 | 46 |
| 10 | Landuse change impact on sub-watersheds prioritization by analytical hierarchy process (AHP). Ecological Informatics, 2017, 42, 100-113. | 5.2 | 39 |
| 11 | Future changes in rainfall, temperature and reference evapotranspiration in the central India by least square support vector machine. Geoscience Frontiers, 2017, 8, 583-596. | 8.4 | 38 |
| 12 | A comparative study of soil erosion modelling by MMF, USLE and RUSLE. Geocarto International, 2018, 33, 89-103. | 3.5 | 37 |
| 13 | Climate change impact on soil erosion in the Mandakini River Basin, North India. Applied Water Science, 2017, 7, 2373-2383. | 5.6 | 31 |
| 14 | Impact assessment of climate change on future soil erosion and SOC loss. Natural Hazards, 2016, 82, 1515-1539. | 3.4 | 30 |
| 15 | Interrelationship of rainfall, temperature and reference evapotranspiration trends and their net response to the climate change in Central India. Theoretical and Applied Climatology, 2017, 130, 879-900. | 2.8 | 30 |
| 16 | Impact of landuse/land cover change on run-off in the catchment of a hydro power project. Applied Water Science, 2017, 7, 787-800. | 5.6 | 29 |
| 17 | Flood monitoring using microwave remote sensing in a part of Nuna river basin, Odisha, India. Natural Hazards, 2015, 76, 123-138. | 3.4 | 25 |
| 18 | Uncertainty analysis of soil erosion modelling using different resolution of open-source DEMs. Geocarto International, 2017, 32, 334-349. | 3.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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. | 4.0 | 25 |
| 20 | Shifting shoreline of Sagar Island Delta, India. <i>Journal of Maps</i> , 2014, 10, 612-619. | 2.0 | 23 |
| 21 | 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. | 4.3 | 20 |
| 22 | Impact of landuse/land cover change on run-off in a catchment of Narmada river in India. <i>Applied Geomatics</i> , 2015, 7, 23-35. | 2.5 | 17 |
| 23 | Forest cover change prediction using hybrid methodology of geoinformatics and Markov chain model: A case study on sub-Himalayan town Gangtok, India. <i>Journal of Earth System Science</i> , 2014, 123, 1349-1360. | 1.3 | 14 |
| 24 | Long Term Rainfall Trend Analysis (1871â€“2011) for Whole India. <i>Advances in Geographical and Environmental Sciences</i> , 2014, , 45-60. | 0.6 | 13 |
| 25 | Detection of Land Use Change and Future Prediction with Markov Chain Model in a Part of Narmada River Basin, Madhya Pradesh. <i>Advances in Geographical and Environmental Sciences</i> , 2014, , 3-14. | 0.6 | 13 |
| 26 | 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. | 2.4 | 7 |
| 27 | Estimation of total water storage changes in India. <i>International Journal of Digital Earth</i> , 2021, 14, 1294-1315. | 3.9 | 5 |
| 28 | Multiple Linear Regression Based Statistical Downscaling of Daily Precipitation in a Canal Command. <i>Advances in Geographical and Environmental Sciences</i> , 2014, , 73-83. | 0.6 | 4 |
| 29 | Landuse Change Prediction and Its Impact on Surface Run-off Using Fuzzy C-Mean, Markov Chain and Curve Number Methods. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 365-376. | 0.6 | 4 |
| 30 | Crop Identification by Fuzzy C-Mean in Ravi Season Using Multi-Spectral Temporal Images. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 391-401. | 0.6 | 3 |
| 31 | 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 |
| 32 | Neural Method for Site-Specific Yield Prediction. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 237-246. | 0.6 | 0 |
| 33 | Trends of rainfall and temperature in Tawa canal command, Madhya Pradesh, India. <i>Journal of Agrometeorology</i> , 2016, 18, 333-334. | 0.3 | 0 |