# Ramesh P. Singh

List of Publications by Year
in descending order



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|---|---|---|---|
| 279 papers | 9,638 citations | 43973 48 h-index | 51492 86 g-index |
| 291 all docs | 291 docs citations | 291 times ranked | 7068 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Variability of aerosol parameters over Kanpur, northern India. Journal of Geophysical Research, 2004, 109, . | 3.3 | 380 |
| 2 | Influence of dust storms on the aerosol optical properties over the Indo-Gangetic basin. Journal of Geophysical Research, 2004, 109, . | 3.3 | 352 |
| 3 | Climatological aspects of the optical properties of fine/coarse mode aerosol mixtures. Journal of Geophysical Research, 2010, 115, . | 3.3 | 325 |
| 4 | Decline in PM2.5 concentrations over major cities around the world associated with COVID-19. Environmental Research, 2020, 187, 109634. | 3.7 | 307 |
| 5 | Crop yield estimation model for Iowa using remote sensing and surface parameters. International Journal of Applied Earth Observation and Geoinformation, 2006, 8, 26-33. | 1.4 | 305 |
| 6 | Vegetation and temperature condition indices from NOAA AVHRR data for drought monitoring over India. International Journal of Remote Sensing, 2003, 24, 4393-4402. | 1.3 | 252 |
| 7 | Impact of lockdown on air quality in India during COVID-19 pandemic. Air Quality, Atmosphere and Health, 2020, 13, 921-928. | 1.5 | 235 |
| 8 | Effects of crop residue burning on aerosol properties, plume characteristics, and longâ€range transport over northern India. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5424-5444. | 1.2 | 228 |
| 9 | Changes in aerosol parameters during major dust storm events (2001â€“2005) over the Indo-Gangetic Plains using AERONET and MODIS data. Journal of Geophysical Research, 2007, 112, . | 3.3 | 211 |
| 10 | Comparison of MODIS and AERONET derived aerosol optical depth over the Ganga Basin, India. Annales Geophysicae, 2005, 23, 1093-1101. | 0.6 | 185 |
| 11 | Two contrasting dustâ€dominant periods over India observed from MODIS and CALIPSO data. Geophysical Research Letters, 2009, 36, . | 1.5 | 171 |
| 12 | Aerosol radiative forcing over the Indo-Gangetic plains during major dust storms. Atmospheric Environment, 2007, 41, 6289-6301. | 1.9 | 167 |
| 13 | Surface latent heat flux as an earthquake precursor. Natural Hazards and Earth System Sciences, 2003, 3, 749-755. | 1.5 | 166 |
| 14 | Comparison of MISR-MODIS aerosol optical depth over the Indo-Gangetic basin during the winter and summer seasons (2000â€“2005). Remote Sensing of Environment, 2007, 107, 109-119. | 4.6 | 165 |
| 15 | Influence of coal based thermal power plants on aerosol optical properties in the Indo-Gangetic basin. Geophysical Research Letters, 2006, 33, . | 1.5 | 130 |
| 16 | Estimation of stress and its use in evaluation of landslide prone regions using remote sensing data. Advances in Space Research, 2006, 37, 698-709. | 1.2 | 127 |
| 17 | Variability and trends of aerosol properties over Kanpur, northern India using AERONET data (2001â€“10). Environmental Research Letters, 2012, 7, 024003. | 2.2 | 121 |
| 18 | Validation of MODIS Terra, AIRS, NCEP/DOE AMIPâ€II Reanalysisâ€2, and AERONET Sun photometer derived integrated precipitable water vapor using groundâ€based GPS receivers over India. Journal of Geophysical Research, 2009, 114, . | 3.3 | 118 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Thermal, atmospheric and ionospheric anomalies around the time of the Colima M7.8 earthquake of 21 January 2003. Annales Geophysicae, 2006, 24, 835-849. | 0.6 | 115 |
| 20 | Crop Residue Burning in Northern India: Increasing Threat to Greater India. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6920-6934. | 1.2 | 109 |
| 21 | Analysis of a severe prolonged regional haze episode in the Yangtze River Delta, China. Atmospheric Environment, 2015, 102, 112-121. | 1.9 | 107 |
| 22 | Variability of aerosol optical depth and aerosol forcing over India. Advances in Space Research, 2006, 37, 2153-2159. | 1.2 | 99 |
| 23 | Fogâ€•and cloudâ€•induced aerosol modification observed by the Aerosol Robotic Network (AERONET). Journal of Geophysical Research, 2012, 117, . | 3.3 | 99 |
| 24 | Estimation of NO<sub>x</sub> emissions from Delhi using Car MAX-DOAS observations and comparison with OMI satellite data. Atmospheric Chemistry and Physics, 2011, 11, 10871-10887. | 1.9 | 98 |
| 25 | Crop Residue Burning: A Threat to South Asian Air Quality. Eos, 2014, 95, 333-334. | 0.1 | 96 |
| 26 | Dust storms detection over the Indo-Gangetic basin using multi sensor data. Advances in Space Research, 2006, 37, 728-733. | 1.2 | 86 |
| 27 | On the longitude dependence of total ozone trends over middle-latitudes. International Journal of Remote Sensing, 2003, 24, 1361-1367. | 1.3 | 85 |
| 28 | Extremely large anthropogenic-aerosol contribution to total aerosol load over the Bay of Bengal during winter season. Atmospheric Chemistry and Physics, 2011, 11, 7097-7117. | 1.9 | 85 |
| 29 | Land Use and Land Cover Change Modeling and Future Potential Landscape Risk Assessment Using Markov-CA Model and Analytical Hierarchy Process. ISPRS International Journal of Geo-Information, 2020, 9, 134. | 1.4 | 83 |
| 30 | Impact of Deadly Dust Storms (May 2018) on Air Quality, Meteorological, and Atmospheric Parameters Over the Northern Parts of India. GeoHealth, 2019, 3, 67-80. | 1.9 | 82 |
| 31 | Enhancement of oceanic parameters associated with dust storms using satellite data. Journal of Geophysical Research, 2008, 113, . | 3.3 | 77 |
| 32 | Meteorological, atmospheric and climatic perturbations during major dust storms over Indo-Gangetic Basin. Aeolian Research, 2015, 17, 15-31. | 1.1 | 74 |
| 33 | Precursory signals using satellite and ground data associated with the Wenchuan Earthquake of 12 May 2008. International Journal of Remote Sensing, 2010, 31, 3341-3354. | 1.3 | 72 |
| 34 | Anomalous changes in column water vapor after Gujarat earthquake. Advances in Space Research, 2004, 33, 274-278. | 1.2 | 70 |
| 35 | Attenuation relations for strong seismic ground motion in the Himalayan region. Pure and Applied Geophysics, 1996, 147, 161-180. | 0.8 | 69 |
| 36 | Land-Use/Land-Cover Changes and Their Influence on the Ecosystem in Chengdu City, China during the Period of 1992â€“2018. Sustainability, 2018, 10, 3580. | 1.6 | 68 |

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|---|---|---|---|
| 37 | Variability of aerosol optical depth over indian subcontinent using modis data. Journal of the Indian Society of Remote Sensing, 2004, 32, 313-316. | 1.2 | 67 |
| 38 | Seasonal Variability of Atmospheric Aerosol Parameters over Greater Noida Using Ground Sunphotometer Observations. Aerosol and Air Quality Research, 2014, 14, 608-622. | 0.9 | 67 |
| 39 | Solar Activity, Lightning and Climate. Surveys in Geophysics, 2011, 32, 659-703. | 2.1 | 66 |
| 40 | Declining trend of total ozone column over the northern parts of India. International Journal of Remote Sensing, 2005, 26, 3433-3440. | 1.3 | 62 |
| 41 | Surface latent heat flux and nighttime LF anomalies prior to the M<sub>w</sub>=8.3 Tokachi-Oki earthquake. Natural Hazards and Earth System Sciences, 2006, 6, 109-114. | 1.5 | 62 |
| 42 | Space Weather: Physics, Effects and Predictability. Surveys in Geophysics, 2010, 31, 581-638. | 2.1 | 61 |
| 43 | Influence of anomalous dry conditions on aerosols over India: Transport, distribution and properties. Journal of Geophysical Research, 2012, 117, . | 3.3 | 59 |
| 44 | Seasonal variability of the aerosol parameters over Kanpur, an urban site in Indo-Gangetic basin. Advances in Space Research, 2005, 36, 778-782. | 1.2 | 58 |
| 45 | Land Use and Land Cover Changes, and Environment and Risk Evaluation of Dujiangyan City (SW China) Using Remote Sensing and GIS Techniques. Sustainability, 2018, 10, 4631. | 1.6 | 57 |
| 46 | Use of vegetation index and meteorological parameters for the prediction of crop yield in India. International Journal of Remote Sensing, 2007, 28, 5207-5235. | 1.3 | 54 |
| 47 | Satellite detection of carbon monoxide emission prior to the Gujarat earthquake of 26 January 2001. Applied Geochemistry, 2010, 25, 580-585. | 1.4 | 54 |
| 48 | Landslide detection in the Himalayas using machine learning algorithms and U-Net. Landslides, 2022, 19, 1209-1229. | 2.7 | 53 |
| 49 | Prediction of subsidence due to coal mining in Raniganj coalfield, West Bengal, India. Engineering Geology, 1995, 39, 103-111. | 2.9 | 51 |
| 50 | Synoptic weather conditions and aerosol episodes over Indo-Gangetic Plains, India. Climate Dynamics, 2014, 43, 2313-2331. | 1.7 | 51 |
| 51 | Comparison of ground based indices (API and AQI) with satellite based aerosol products. Science of the Total Environment, 2014, 488-489, 398-412. | 3.9 | 51 |
| 52 | Spatiotemporal extremes of temperature and precipitation during 1960â€“2015 in the Yangtze River Basin (China) and impacts on vegetation dynamics. Theoretical and Applied Climatology, 2019, 136, 675-692. | 1.3 | 51 |
| 53 | Automatic building extraction from laser scanning data: an input tool for disaster management. Advances in Space Research, 2004, 33, 317-322. | 1.2 | 50 |
| 54 | Association analysis between spatiotemporal variation of vegetation greenness and precipitation/temperature in the Yangtze River Basin (China). Environmental Science and Pollution Research, 2018, 25, 21867-21878. | 2.7 | 49 |

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| 55 | Changes observed in land and ocean after Gujarat earthquake of 26 January 2001 using IRS data. International Journal of Remote Sensing, 2002, 23, 3123-3128. | 1.3 | 48 |
| 56 | Comparison of chlorophyll distributions in the northeastern Arabian Sea and southern Bay of Bengal using IRS-P4 Ocean Color Monitor data. Remote Sensing of Environment, 2003, 85, 424-428. | 4.6 | 48 |
| 57 | Influence of coal-based thermal power plants on the spatialâ€“temporal variability of tropospheric NO 2 column over India. Environmental Monitoring and Assessment, 2012, 184, 1891-1907. | 1.3 | 48 |
| 58 | Wavelet maxima curves of surface latent heat flux associated with two recent Greek earthquakes. Natural Hazards and Earth System Sciences, 2004, 4, 359-374. | 1.5 | 47 |
| 59 | Multiâ€sensor studies of the Sumatra earthquake and tsunami of 26 December 2004. International Journal of Remote Sensing, 2007, 28, 2885-2896. | 1.3 | 47 |
| 60 | Impact of atmospheric circulation types on southwest Asian dust and Indian summer monsoon rainfall. Atmospheric Research, 2018, 201, 189-205. | 1.8 | 47 |
| 61 | Thunderstorms, Lightning, Sprites and Magnetospheric Whistler-Mode Radio Waves. Surveys in Geophysics, 2008, 29, 499-551. | 2.1 | 46 |
| 62 | Complementary nature of surface and atmospheric parameters associated with Haiti earthquake of 12 January 2010. Natural Hazards and Earth System Sciences, 2010, 10, 1299-1305. | 1.5 | 46 |
| 63 | Influence of land use/land cover (LULC) changes on atmospheric dynamics over the arid region of Rajasthan state, India. Journal of Arid Environments, 2013, 88, 90-101. | 1.2 | 45 |
| 64 | Characteristics of aerosol optical properties and meteorological parameters during three major dust events (2005â€“2010) over Beijing, China. Atmospheric Research, 2014, 150, 129-142. | 1.8 | 45 |
| 65 | Further evidences for the weakening relationship of Indian rainfall and ENSO over India. Geophysical Research Letters, 2004, 31, n/a-n/a. | 1.5 | 44 |
| 66 | Neotectonic study of Ganga and Yamuna tear faults, NW Himalaya, using remote sensing and GIS. International Journal of Remote Sensing, 2000, 21, 499-518. | 1.3 | 43 |
| 67 | Influence of a dust storm on carbon monoxide and water vapor over the Indoâ€Gangetic Plains. Journal of Geophysical Research, 2007, 112, . | 3.3 | 41 |
| 68 | Wavelet maxima curves of surface latent heat flux anomalies associated with Indian earthquakes. Natural Hazards and Earth System Sciences, 2005, 5, 87-99. | 1.5 | 40 |
| 69 | Retrieval of black carbon and specific absorption over Kanpur city, northern India during 2001â€“2003 using AERONET data. Atmospheric Environment, 2006, 40, 445-456. | 1.9 | 40 |
| 70 | Changes in atmospheric aerosol parameters after Gujarat earthquake of January 26, 2001. Advances in Space Research, 2004, 33, 254-258. | 1.2 | 39 |
| 71 | Land â€“ Atmosphere â€“ Meteorological coupling associated with the 2015 Gorkha (M 7.8) and Dolakha (M) Tj ETQq1 1 0.784314 r | 2.0 | 39 |
| 72 | Change analysis using IRS-P4 OCM data after the Orissa super cyclone. International Journal of Remote Sensing, 2001, 22, 1383-1389. | 1.3 | 37 |

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| 73 | Inter-annual variability of vegetation cover and rainfall over india. Advances in Space Research, 2007, 39, 79-87. | 1.2 | 37 |
| 74 | The electrical environment of the Earthâ€™s atmosphere: A review. Space Science Reviews, 2004, 113, 375-408. | 3.7 | 36 |
| 75 | Modelling of ground water recharge-potential in the hard-rock Aravalli terrain, India: a GIS approach. Environmental Earth Sciences, 2009, 59, 929-938. | 1.3 | 36 |
| 76 | Effect of dust storm on ocean color and snow parameters. Journal of the Indian Society of Remote Sensing, 2007, 35, 1-9. | 1.2 | 35 |
| 77 | Air Quality Over Major Cities of Saudi Arabia During Hajj Periods of 2019 and 2020. Earth Systems and Environment, 2021, 5, 101-114. | 3.0 | 35 |
| 78 | The Spatiotemporal Distribution of Air Pollutants and Their Relationship with Land-Use Patterns in Hangzhou City, China. Atmosphere, 2017, 8, 110. | 1.0 | 34 |
| 79 | Spatio-Temporal Pattern Estimation of PM2.5 in Beijing-Tianjin-Hebei Region Based on MODIS AOD and Meteorological Data Using the Back Propagation Neural Network. Atmosphere, 2018, 9, 105. | 1.0 | 34 |
| 80 | Analysis of the 2012-2016 drought in the northeast Brazil and its impacts on the Sobradinho water reservoir. Remote Sensing Letters, 2018, 9, 438-446. | 0.6 | 33 |
| 81 | Changes in Himalayan snow and glacier cover between 1972 and 2000. Eos, 2007, 88, 326-326. | 0.1 | 32 |
| 82 | Solar flare induced D-region ionospheric perturbations evaluated from VLF measurements. Astrophysics and Space Science, 2014, 350, 1-9. | 0.5 | 32 |
| 83 | Anomalous increase of chlorophyll concentrations associated with earthquakes. Advances in Space Research, 2006, 37, 671-680. | 1.2 | 31 |
| 84 | Comparison of global chlorophyll concentrations using MODIS data. Advances in Space Research, 2009, 43, 1090-1100. | 1.2 | 30 |
| 85 | Passive microwave response associated with two main earthquakes in Tibetan Plateau, China. Advances in Space Research, 2018, 62, 1675-1689. | 1.2 | 29 |
| 86 | Cosmic ray ionization of lower Venus atmosphere. Earth, Moon and Planets, 1994, 65, 89-94. | 0.3 | 28 |
| 87 | Groundwater level response to the Wenchuan earthquake of May 2008. Geomatics, Natural Hazards and Risk, 2019, 10, 336-352. | 2.0 | 28 |
| 88 | Effect of El NiÃ±o on inter-annual variability of ozone during the period 1978-2000 over the Indian subcontinent and China. International Journal of Remote Sensing, 2002, 23, 2449-2456. | 1.3 | 27 |
| 89 | Seasonal variability of atmospheric aerosol over the North Indian region during 2005â€“2009. Advances in Space Research, 2012, 50, 1220-1230. | 1.2 | 27 |
| 90 | Discharges in the Stratosphere and Mesosphere. Space Science Reviews, 2012, 169, 73-121. | 3.7 | 27 |

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| 91 | Characteristic behavior of water radon associated with Wenchuan and Lushan earthquakes along Longmenshan fault. Radiation Measurements, 2015, 76, 44-53. | 0.7 | 27 |
| 92 | Changes in stress pattern around epicentral region of Bhuj earthquake of 26 January 2001. Geophysical Research Letters, 2005, 32, . | 1.5 | 26 |
| 93 | Generic precursors to coastal earthquakes: Inferences from Denali fault earthquake. Tectonophysics, 2007, 431, 231-240. | 0.9 | 26 |
| 94 | Thunderstormâ€lightningâ€induced ionospheric perturbation: An observation from equatorial and lowâ€latitude stations around Hong Kong. Journal of Geophysical Research: Space Physics, 2017, 122, 9032-9044. | 0.8 | 26 |
| 95 | Long-Term (1951â€“2007) Rainfall Trends around Six Indian Cities: Current State, Meteorological, and Urban Dynamics. Advances in Meteorology, 2013, 2013, 1-15. | 0.6 | 25 |
| 96 | Elevated Black Carbon Concentrations and Atmospheric Pollution around Singrauli Coal-Fired Thermal Power Plants (India) Using Ground and Satellite Data. International Journal of Environmental Research and Public Health, 2018, 15, 2472. | 1.2 | 25 |
| 97 | Effect of Lockdown on HCHO and Trace Gases over India during March 2020. Aerosol and Air Quality Research, 2021, 21, 200445. | 0.9 | 25 |
| 98 | Extreme rainfall event of July 25â€“27, 2005 over Mumbai, West Coast, India. Journal of the Indian Society of Remote Sensing, 2005, 33, 365-370. | 1.2 | 24 |
| 99 | Spatiotemporal Variations of City-Level Carbon Emissions in China during 2000â€“2017 Using Nighttime Light Data. Remote Sensing, 2020, 12, 2916. | 1.8 | 24 |
| 100 | Technical note Use of microwave remote sensing in salinity estimation. International Journal of Remote Sensing, 1990, 11, 321-330. | 1.3 | 23 |
| 101 | Variations of chlorophyll-a in the northeastern Indian Ocean after the 2004 South Asian tsunami. International Journal of Remote Sensing, 2009, 30, 4553-4565. | 1.3 | 23 |
| 102 | Retrieval of sub-pixel snow cover information in the Himalayan region using medium and coarse resolution remote sensing data. International Journal of Remote Sensing, 2009, 30, 4707-4731. | 1.3 | 22 |
| 103 | Characteristics of low latitude ionospheric E-region irregularities linked with daytime VHF scintillations measured from Varanasi. Journal of Earth System Science, 2009, 118, 721-732. | 0.6 | 22 |
| 104 | Co-seismic response of water level in the Jingle well (China) associated with the Gorkha Nepal (Mw) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.9 | 22 |
| 105 | Coseismic Groundwater Temperature Response Associated with the Wenchuan Earthquake. Pure and Applied Geophysics, 2020, 177, 109-120. | 0.8 | 22 |
| 106 | Impact of tropical cyclone â€œFaniâ€•on land, ocean, atmospheric and meteorological parameters. Marine Pollution Bulletin, 2021, 162, 111844. | 2.3 | 22 |
| 107 | Mapping of waterlogged and salt-affected soils using microwave radiometers. International Journal of Remote Sensing, 1990, 11, 1879-1887. | 1.3 | 21 |
| 108 | Characteristics of meteorological parameters associated with Hurricane Isabel. Geophysical Research Letters, 2005, 32, n/a-n/a. | 1.5 | 21 |

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|---|---|---|---|
| 109 | An early warning system for coastal earthquakes. Advances in Space Research, 2006, 37, 636-642. | 1.2 | 21 |
| 110 | Potentiality of multi-sensor satellite data in mapping flood hazard. Journal of the Indian Society of Remote Sensing, 2006, 34, 219-231. | 1.2 | 20 |
| 111 | Chlorophyll, calcite, and suspended sediment concentrations in the Bay of Bengal and the Arabian Sea at the river mouths. Advances in Space Research, 2010, 45, 61-69. | 1.2 | 20 |
| 112 | A Comparison of Trace Gases and Particulate Matter over Beijing (China) and Delhi (India). Water, Air, and Soil Pollution, 2017, 228, 1. | 1.1 | 20 |
| 113 | Assessment of Indoor & Outdoor Black Carbon emissions in rural areas of Indo-Gangetic Plain: seasonal characteristics, source apportionment and radiative forcing. Atmospheric Environment, 2018, 191, 227-240. | 1.9 | 20 |
| 114 | Ecological response of phytoplankton to the oil spills in the oceans. Geomatics, Natural Hazards and Risk, 2019, 10, 853-872. | 2.0 | 20 |
| 115 | Microwave Brightness Temperature Characteristics of Three Strong Earthquakes in Sichuan Province, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 513-522. | 2.3 | 20 |
| 116 | Spatial and temporal variability of soil moisture over India using IRS P4 MSMR data. International Journal of Remote Sensing, 2005, 26, 2241-2247. | 1.3 | 19 |
| 117 | Poor air quality and dense haze/smog during 2016 in the indo-gangetic plains associated with the crop residue burning and diwali festival. , 2017, , . |  | 19 |
| 118 | Snow covered with dust after Chamoli rockslide: inference based on high-resolution satellite data. Remote Sensing Letters, 2021, 12, 704-714. | 0.6 | 19 |
| 119 | Spatial Distribution of PM<sub>2.5</sub>â€Related Premature Mortality in China. GeoHealth, 2021, 5, e2021GH000532. | 1.9 | 19 |
| 120 | Coupling between Landâ€“Oceanâ€“Atmosphere and Pronounced Changes in Atmospheric/Meteorological Parameters Associated with the Hudhud Cyclone of October 2014. International Journal of Environmental Research and Public Health, 2018, 15, 2759. | 1.2 | 18 |
| 121 | Propagational features of higher harmonic tweeks at low latitudes. Earth, Moon and Planets, 1996, 73, 277-290. | 0.3 | 17 |
| 122 | Total precipitable water over the Arabian Ocean and the Bay of Bengal using SSM/I data. International Journal of Remote Sensing, 2000, 21, 2497-2503. | 1.3 | 17 |
| 123 | Changes in ocean properties associated with Hurricane Isabel. International Journal of Remote Sensing, 2005, 26, 643-649. | 1.3 | 17 |
| 124 | Electrodynamical Coupling of Earth's Atmosphere and Ionosphere: An Overview. International Journal of Geophysics, 2011, 2011, 1-13. | 0.4 | 17 |
| 125 | Aerosol and Meteorological Parameters Associated with the Intense Dust Event of 15 April 2015 over Beijing, China. Remote Sensing, 2018, 10, 957. | 1.8 | 17 |
| 126 | Aerosol Optical Properties over Mount Song, a Rural Site in Central China. Aerosol and Air Quality Research, 2015, 15, 2051-2064. | 0.9 | 17 |

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|---|---|---|---|
| 127 | Catastrophic ice-debris flow in the Rishiganga River, Chamoli, Uttarakhand (India). Geomatics, Natural Hazards and Risk, 2022, 13, 289-309. | 2.0 | 17 |
| 128 | Evaluation and analysis of post-seismic restoration of ecological security in Wenchuan using remote sensing and GIS. Geomatics, Natural Hazards and Risk, 2016, 7, 1919-1936. | 2.0 | 16 |
| 129 | Seismic hazard assessment of Syria using seismicity, DEM, slope, active faults and GIS. Remote Sensing Applications: Society and Environment, 2017, 6, 59-70. | 0.8 | 16 |
| 130 | Progressive destabilization and triggering mechanism analysis using multiple data for Chamoli rockslide of 7 February 2021. Geomatics, Natural Hazards and Risk, 2022, 13, 35-53. | 2.0 | 16 |
| 131 | Pronounced Changes in Thermal Signals Associated with the Madoi (China) M 7.3 Earthquake from Passive Microwave and Infrared Satellite Data. Remote Sensing, 2022, 14, 2539. | 1.8 | 16 |
| 132 | Effect of clay and salinity on the dielectric properties of rock. Journal of Geophysical Research, 1985, 90, 8793-8800. | 3.3 | 15 |
| 133 | Tidal and gravity waves study from the airglow measurements at Kolhapur (India). Journal of Earth System Science, 2012, 121, 1511-1525. | 0.6 | 15 |
| 134 | Comparison of Regression Methods to Compute Atmospheric Pressure and Earth Tidal Coefficients in Water Level Associated with Wenchuan Earthquake of 12 May 2008. Pure and Applied Geophysics, 2016, 173, 2277-2294. | 0.8 | 15 |
| 135 | Lightning Discharges, Cosmic Rays and Climate. Surveys in Geophysics, 2018, 39, 861-899. | 2.1 | 15 |
| 136 | Increasing health threat to greater parts of India due to crop residue burning. Lancet Planetary Health, The, 2018, 2, e327-e328. | 5.1 | 15 |
| 137 | Spectral reflectance properties of different types of soil surfaces. ISPRS Journal of Photogrammetry and Remote Sensing, 1994, 49, 34-40. | 4.9 | 14 |
| 138 | Retrieval of water vapor using SSM/I and its relation with the onset of monsoon. Annales Geophysicae, 2004, 22, 3079-3083. | 0.6 | 14 |
| 139 | Comparison of aerosol radiative forcing over the Arabian Sea and the Bay of Bengal. Advances in Space Research, 2004, 33, 1104-1108. | 1.2 | 14 |
| 140 | Remote Sensing Monitoring of Vegetation Dynamic Changes after Fire in the Greater Hinggan Mountain Area: The Algorithm and Application for Eliminating Phenological Impacts. Remote Sensing, 2020, 12, 156. | 1.8 | 14 |
| 141 | Chamoli disaster: pronounced changes in water quality and flood plains using Sentinel data. Environmental Earth Sciences, 2021, 80, 601. | 1.3 | 14 |
| 142 | Surface manifestation over a subsurface ridge. International Journal of Remote Sensing, 1999, 20, 3461-3466. | 1.3 | 13 |
| 143 | Comparison of various data fusion for surface features extraction using IRS pan and LISS-III data. Advances in Space Research, 2002, 29, 73-78. | 1.2 | 13 |
| 144 | Changes in Atmospheric, Meteorological, and Ocean Parameters Associated with the 12 January 2020 Taal Volcanic Eruption. Remote Sensing, 2020, 12, 1026. | 1.8 | 13 |

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|---|---|---|---|
| 145 | High spatio-temporal heterogeneity of carbon footprints in theÂZhejiang Province, China, from 2005 to 2015: implications for climate change policies. Environmental Chemistry Letters, 2020, 18, 931-939. | 8.3 | 13 |
| 146 | Hisslers: Quasi-periodic VLF noise forms observed at low latitude ground station Jammu (L = 1.17). Geophysical Research Letters, 2004, 31, . | 1.5 | 12 |
| 147 | Satellite observations of the Wenchuan Earthquake, 12 May 2008. International Journal of Remote Sensing, 2010, 31, 3335-3339. | 1.3 | 12 |
| 148 | The Impact of Three Different Cumulus Parameterization Schemes on the Indian Summer Monsoon Circulation. The International Journal of Ocean and Climate Systems, 2011, 2, 27-43. | 0.8 | 12 |
| 149 | The influence of meteorological parameters and atmospheric pollutants on lightning, rainfall, and normalized difference vegetation index in the Indo-Gangetic Plain. International Journal of Remote Sensing, 2016, 37, 53-77. | 1.3 | 12 |
| 150 | Co-seismic multilayer water temperature and water level changes associated with Wenchuan and Tohoku-Oki earthquakes in the Chuan no. 03 well, China. Journal of Seismology, 2017, 21, 719-734. | 0.6 | 12 |
| 151 | Anomalous changes in meteorological parameters along the track of 2017 Hurricane Harvey. Remote Sensing Letters, 2018, 9, 487-496. | 0.6 | 12 |
| 152 | Optical properties of dust and crop burning emissions over India using ground and satellite data. Science of the Total Environment, 2020, 718, 134476. | 3.9 | 12 |
| 153 | Changes in the flood plains and water quality along the Himalayan rivers after the Chamoli disaster of 7 February 2021. International Journal of Remote Sensing, 2021, 42, 6984-7001. | 1.3 | 12 |
| 154 | RAYPTâ€”A new inversion technique for geotomographic data. Geophysics, 1991, 56, 1215-1227. | 1.4 | 11 |
| 155 | Prediction of subsidence in the Indo-gangetic basin carried by groundwater withdrawal. Engineering Geology, 1993, 33, 227-239. | 2.9 | 11 |
| 156 | Deep electrical conductivity structure beneath the southern part of the Indo-gangetic plains. Physics of the Earth and Planetary Interiors, 1995, 88, 273-283. | 0.7 | 11 |
| 157 | Variability of soil wetness and its relation with floods over the Indian subcontinent. Canadian Journal of Remote Sensing, 2009, 35, 85-97. | 1.1 | 11 |
| 158 | Temporal and spatial deviation in F<sub>2</sub> peak parameters derived from FORMOSATâ€3/COSMIC. Space Weather, 2016, 14, 391-405. | 1.3 | 11 |
| 159 | Long-Term Aerosol Trends and Variability over Central Saudi Arabia Using Optical Characteristics from Solar Village AERONET Measurements. Atmosphere, 2019, 10, 752. | 1.0 | 11 |
| 160 | Hiss emissions during quiet and disturbed periods. Pramana - Journal of Physics, 2002, 59, 563-573. | 0.9 | 10 |
| 161 | Sensitivity of rainfall on land cover change over South East Asia: Some observational results. Advances in Space Research, 2007, 39, 73-78. | 1.2 | 10 |
| 162 | Characteristic changes in aerosol and meteorological parameters associated with dust event of 9 March 2013. Modeling Earth Systems and Environment, 2016, 2, 1-10. | 1.9 | 10 |

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| 163 | Attenuation relation predicted observed ground motion of Gorkha Nepal earthquake of April 25, 2015. Natural Hazards, 2016, 80, 311-328. | 1.6 | 10 |
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