

Binod Adhikari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3736116/publications.pdf>

Version: 2024-02-01

30
papers

254
citations

933447

10
h-index

1058476

14
g-index

39
all docs

39
docs citations

39
times ranked

118
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Study of field-aligned current (FAC), interplanetary electric field component (E_y), interplanetary magnetic field component (B_z), and northward (x) and eastward (y) components of geomagnetic field during supersubstorm. <i>Earth and Space Science</i> , 2017, 4, 257-274. | 2.6 | 24 |
| 2 | Analysis of supersubstorm events with reference to polar cap potential and polar cap index. <i>Earth and Space Science</i> , 2017, 4, 2-15. | 2.6 | 20 |
| 3 | Field-Aligned Current and Polar Cap Potential and Geomagnetic Disturbances: A Review of Cross-Correlation Analysis. <i>Earth and Space Science</i> , 2018, 5, 440-455. | 2.6 | 20 |
| 4 | Application of wavelet for seismic wave analysis in Kathmandu Valley after the 2015 Gorkha earthquake, Nepal. <i>Geoenvironmental Disasters</i> , 2020, 7, . | 3.6 | 19 |
| 5 | Global Positioning System Observations of Ionospheric Total Electron Content Variations During the 15th January 2010 and 21st June 2020 Solar Eclipse. <i>Radio Science</i> , 2021, 56, e2020RS007215. | 1.6 | 18 |
| 6 | Ionospheric-Thermospheric Responses in South America to the August 2018 Geomagnetic Storm Based on Multiple Observations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 261-269. | 4.9 | 18 |
| 7 | Variation on Solar Wind Parameters and Total Electron Content Over Middle-to Low-Latitude Regions During Intense Geomagnetic Storms. <i>Radio Science</i> , 2020, 55, e2020RS007129. | 1.6 | 16 |
| 8 | Polar Cap Potential and Merging Electric Field during High Intensity Long Duration Continuous Auroral Activity. <i>Journal of Nepal Physical Society</i> , 2016, 3, 6. | 0.2 | 15 |
| 9 | Variation of Solar Wind Parameters Along With the Understanding of Energy Dynamics Within the Magnetospheric System During Geomagnetic Disturbances. <i>Earth and Space Science</i> , 2019, 6, 276-293. | 2.6 | 14 |
| 10 | HILDCAA-Related GIC and Possible Corrosion Hazard in Underground Pipelines: A Comparison Based on Wavelet Transform. <i>Space Weather</i> , 2019, 17, 238-251. | 3.7 | 11 |
| 11 | Spectral characteristic of geomagnetically induced current during geomagnetic storms by wavelet techniques. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 192, 104777. | 1.6 | 10 |
| 12 | Wavelet and Cross-Correlation Analysis of Relativistic Electron Flux with Sunspot Number, Solar Flux, and Solar Wind Parameters. <i>Journal of Nepal Physical Society</i> , 2021, 6, 104-112. | 0.2 | 10 |
| 13 | Variation of Solar Wind Parameters During Intense Geomagnetic Storms. <i>Himalayan Physics</i> , 0, , 80-85. | 0.3 | 9 |
| 14 | Analysis of cosmic ray, solar wind energies, components of Earth's magnetic field, and ionospheric total electron content during solar superstorm of November 18-22, 2003. <i>SN Applied Sciences</i> , 2019, 1, 1. | 2.9 | 8 |
| 15 | Ionospheric Response over Nepal during the 26 December 2019 Solar Eclipse. <i>Journal of Nepal Physical Society</i> , 2021, 7, 25-30. | 0.2 | 7 |
| 16 | IONOSPHERIC EFFECT OF NON-STORM HILDCAA (HIGH INTENSITY LONG DURATION CONTINUOUS AURORAL) Tj ETQq0 0 0 ggBT /Overl 0.5 | 0.5 | 5 |
| 17 | Analysis of solar, interplanetary, and geomagnetic parameters during solar cycles 22, 23, and 24. <i>Russian Journal of Earth Sciences</i> , 2019, 19, 1-12. | 0.7 | 5 |
| 18 | Impacts on Cosmic-Ray Intensity Observed During Geomagnetic Disturbances. <i>Solar Physics</i> , 2017, 292, 1. | 2.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Impacts on Proton Fluxes Observed During Different Interplanetary Conditions. Solar Physics, 2019, 294, 1. | 2.5 | 4 |
| 20 | Analysis of Y-component of Geomagnetic Field and SYM-H Index Using Wavelet Multiresolution Analysis. Geomagnetism and Aeronomy, 2022, 62, 125-137. | 0.8 | 3 |
| 21 | Wavelet Analysis of Forbush Decreases at High-Latitude Stations During Geomagnetic Disturbances. Solar Physics, 2022, 297, 1. | 2.5 | 2 |
| 22 | Characteristic of Solar Wind Parameters and Geomagnetic Indices during Solar Flares. Proceedings of the International Astronomical Union, 2018, 13, 257-258. | 0.0 | 1 |
| 23 | Field-aligned currents (FACs) behaviour during the arrival of interplanetary magnetic shock. Journal of Physics: Conference Series, 2019, 1152, 012027. | 0.4 | 1 |
| 24 | Analysis of the solar wind IMF Bz and auroral electrojet index during supersubstorms. Russian Journal of Earth Sciences, 2021, 21, 1-10. | 0.7 | 1 |
| 25 | A study of vTEC above Nepal exploring different calibration techniques, including a comparison with the NeQuick-2 model. Astrophysics and Space Science, 2022, 367, 1. | 1.4 | 1 |
| 26 | Tracking IMF Fluctuations Nearby Sun Using Wavelet Analysis: Parker Solar Probe First Encounter Data. Geomagnetism and Aeronomy, 2022, 62, 138-150. | 0.8 | 1 |
| 27 | Solar Activities and Its Impact on Space Weather. Proceedings of the International Astronomical Union, 2018, 13, 149-150. | 0.0 | 0 |
| 28 | Study of aerosol optical properties at different tourist places of Nepal. Journal of College of Medical Sciences-Nepal, 2021, 18, 170-183. | 0.3 | 0 |
| 29 | Application of the Wavelet Transform on the Unusual Lightning Flashes of the Himalayan Region, Nepal. Scientific World Journal, The, 2022, 2022, 1-14. | 2.1 | 0 |
| 30 | Ionospheric Signatures during G2, G3 and G4 storms in Mid-Latitude. Radio Science, 0, , . | 1.6 | 0 |