

Binod Adhikari

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

933447

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39
docs citations

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118
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionospheric “Thermospheric Responses in South America to the August 2018 Geomagnetic Storm Based on Multiple Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 261-269.	4.9	18
2	Wavelet Analysis of Forbush Decreases at High-Latitude Stations During Geomagnetic Disturbances. Solar Physics, 2022, 297, 1.	2.5	2
3	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
4	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
5	Tracking IMF Fluctuations Nearby Sun Using Wavelet Analysis: Parker Solar Probe First Encounter Data. Geomagnetism and Aeronomy, 2022, 62, 138-150.	0.8	1
6	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
7	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
8	Ionospheric Response over Nepal during the 26 December 2019 Solar Eclipse. Journal of Nepal Physical Society, 2021, 7, 25-30.	0.2	7
9	Global Positioning System Observations of Ionospheric Total Electron Content Variations During the 15th January 2010 and 21st June 2020 Solar Eclipse. Radio Science, 2021, 56, e2020RS007215.	1.6	18
10	Wavelet and Cross-Correlation Analysis of Relativistic Electron Flux with Sunspot Number, Solar Flux, and Solar Wind Parameters. Journal of Nepal Physical Society, 2021, 6, 104-112.	0.2	10
11	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
12	Variation on Solar Wind Parameters and Total Electron Content Over Middle- to Low-Latitude Regions During Intense Geomagnetic Storms. Radio Science, 2020, 55, e2020RS007129.	1.6	16
13	Application of wavelet for seismic wave analysis in Kathmandu Valley after the 2015 Gorkha earthquake, Nepal. Geoenvironmental Disasters, 2020, 7, .	3.6	19
14	Impacts on Proton Fluxes Observed During Different Interplanetary Conditions. Solar Physics, 2019, 294, 1.	2.5	4
15	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. SN Applied Sciences, 2019, 1, 1.	2.9	8
16	Variation of Solar Wind Parameters Along With the Understanding of Energy Dynamics Within the Magnetospheric System During Geomagnetic Disturbances. Earth and Space Science, 2019, 6, 276-293.	2.6	14
17	Field-aligned currents (FACs) behaviour during the arrival of interplanetary magnetic shock. Journal of Physics: Conference Series, 2019, 1152, 012027.	0.4	1
18	HILDCAA-Related GIC and Possible Corrosion Hazard in Underground Pipelines: A Comparison Based on Wavelet Transform. Space Weather, 2019, 17, 238-251.	3.7	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Characteristic of Solar Wind Parameters and Geomagnetic Indices during Solar Flares. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 257-258.	0.0	1
22	Solar Activities and Its Impact on Space Weather. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 149-150.	0.0	0
23	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
24	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
25	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
26	Impacts on Cosmic-Ray Intensity Observed During Geomagnetic Disturbances. <i>Solar Physics</i> , 2017, 292, 1.	2.5	4
27	IONOSPHERIC EFFECT OF NON-STORM HILDCAA (HIGH INTENSITY LONG DURATION CONTINUOUS AURORAL) Tj ETQ1 1 0,784314	0.5	5
28	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
29	Variation of Solar Wind Parameters During Intense Geomagnetic Storms. <i>Himalayan Physics</i> , 0, , 80-85.	0.3	9
30	Ionospheric Signatures during G2, G3 and G4 storms in Mid-Latitude. <i>Radio Science</i> , 0, , .	1.6	0