# Rajesh Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6006208/publications.pdf

Version: 2024-02-01

| 49 | 764 | 471509 | 552781 |
|---|---|---|---|
| papers | citations | 17 | 26 |
| | | h-index | g-index |

| 51 | 51 | 51 | 603 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Profuse activity of blue electrical discharges at the tops of thunderstorms. Geophysical Research Letters, 2017, 44, 496-503. | 4.0 | 55 |
| 2 | On the association of lightning activity and projected change in climate over the Indian sub-continent. Atmospheric Research, 2017, 183, 173-190. | 4.1 | 50 |
| 3 | Thunderstorms, Lightning, Sprites and Magnetospheric Whistler-Mode Radio Waves. Surveys in Geophysics, 2008, 29, 499-551. | 4.6 | 46 |
| 4 | Review of electromagnetic coupling between the Earth's atmosphere and the space environment. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 637-658. | 1.6 | 42 |
| 5 | Response of the lowâ€latitude D region ionosphere to extreme space weather event of 14â€“16 December 2006. Journal of Geophysical Research: Space Physics, 2015, 120, 788-799. | 2.4 | 38 |
| 6 | D-region ionosphere response to the total solar eclipse of 22 July 2009 deduced from ELF-VLF tweek observations in the Indian sector. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 37 |
| 7 | Nighttime D region electron density measurements from ELFâ€VLF tweek radio atmospherics recorded at low latitudes. Journal of Geophysical Research, 2012, 117, . | 3.3 | 37 |
| 8 | Solar flares induced D-region ionospheric and geomagnetic perturbations. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 123, 102-112. | 1.6 | 35 |
| 9 | Lowâ€mid latitude D region ionospheric perturbations associated with 22 July 2009 total solar eclipse: Waveâ€like signatures inferred from VLF observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8512-8523. | 2.4 | 32 |
| 10 | Solar flare induced D-region ionospheric perturbations evaluated from VLF measurements. Astrophysics and Space Science, 2014, 350, 1-9. | 1.4 | 32 |
| 11 | Effects of St. Patrick's Day Geomagnetic Storm of March 2015 and of June 2015 on Lowâ€Equatorial D Region Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 6836-6850. | 2.4 | 28 |
| 12 | Lightning and convective rain over Indian peninsula and Indo-China peninsula. Advances in Space Research, 2015, 55, 1085-1103. | 2.6 | 27 |
| 13 | The 25 April 2015 Nepal Earthquake: Investigation of precursor in VLF subionospheric signal. Journal of Geophysical Research: Space Physics, 2016, 121, 10,403. | 2.4 | 27 |
| 14 | An experimental study of hiss-triggered chorus emissions at low latitude. Earth, Planets and Space, 2000, 52, 37-40. | 2.5 | 21 |
| 15 | Anomalous variations of VLF sub-ionospheric signal and Mesospheric Ozone prior to 2015 Gorkha Nepal Earthquake. Scientific Reports, 2018, 8, 9381. | 3.3 | 21 |
| 16 | Estimation of interplanetary electric field conditions for historical geomagnetic storms. Journal of Geophysical Research: Space Physics, 2015, 120, 7307-7317. | 2.4 | 19 |
| 17 | Changes in the D region associated with three recent solar eclipses in the South Pacific region. Journal of Geophysical Research: Space Physics, 2016, 121, 5930-5943. | 2.4 | 19 |
| 18 | Response of low latitude D-region ionosphere to the total solar eclipse of 22 July 2009 deduced from ELF/VLF analysis. Advances in Space Research, 2012, 50, 1352-1361. | 2.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Response of the mid-latitude D-region ionosphere to the total solar eclipse of 22 July 2009 studied using VLF signals in South Korean peninsula. Advances in Space Research, 2014, 54, 961-968. | 2.6 | 17 |
| 20 | 22 July 2009 total solar eclipse induced gravity waves in ionosphere as inferred from GPS observations over EIA. Advances in Space Research, 2016, 58, 1755-1762. | 2.6 | 17 |
| 21 | Application of matched filtering to short whistlers recorded at low latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 407-413. | 1.6 | 16 |
| 22 | Hisslers: Quasi-periodic VLF noise forms observed at low latitude ground station Jammu (L = 1.17). Geophysical Research Letters, 2004, 31, . | 4.0 | 12 |
| 23 | Morphological features of tweeks and nighttime D region ionosphere at tweek reflection height from the observations in the lowâ€latitude Indian sector. Journal of Geophysical Research, 2012, 117, . | 3.3 | 12 |
| 24 | Whistlers detected and analyzed by Automatic Whistler Detector (AWD) at low latitude Indian stations. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 221-228. | 1.6 | 11 |
| 25 | Very low latitude (L = 1.08) whistlers. Geophysical Research Letters, 2012, 39, . | 4.0 | 10 |
| 26 | The 22 July 2009 Total Solar Eclipse: Modeling D Region Ionosphere Using Narrowband VLF Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 616-627. | 2.4 | 10 |
| 27 | Very low latitude ( L â€‰=â€‰1.08) whistlers and correlation with lightning activity. Journal of Geophysical Research: Space Physics, 2015, 120, 6694-6706. | 2.4 | 8 |
| 28 | One-to-one relationship between low latitude whistlers and conjugate source lightning discharges and their propagation characteristics. Advances in Space Research, 2013, 52, 1966-1973. | 2.6 | 7 |
| 29 | Effect of 21 June 2020 solar eclipse on the ionosphere using VLF and GPS observations and modeling. Advances in Space Research, 2022, 69, 254-265. | 2.6 | 6 |
| 30 | Whistler observations of the quiet time plasmasphere-ionosphere coupling fluxes at low latitude. Earth, Moon and Planets, 1996, 74, 7-15. | 0.6 | 5 |
| 31 | Enhancement and modulation of cosmic noise absorption in the afternoon sector at subauroral location (LÂ=Â5) during the recovery phase of 17 March 2015 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2017, 122, 9528-9544. | 2.4 | 5 |
| 32 | Assessment of Unusual Gigantic Jets observed during the Monsoon season: First observations from Indian Subcontinent. Scientific Reports, 2017, 7, 16436. | 3.3 | 5 |
| 33 | An investigation of the ionospheric FÂregion near the EIA crest in India using OI 777.4 and 630.0â€¯nm nightglow observations. Annales Geophysicae, 2018, 36, 809-823. | 1.6 | 5 |
| 34 | Abnormal behaviour of sporadic E-layer during the total solar eclipse of 22 July 2009 near the crest of EIA over India. Advances in Space Research, 2019, 64, 2145-2153. | 2.6 | 5 |
| 35 | Observation of Very Short Period Atmospheric Gravity Waves in the Lower Ionosphere Using Very Low Frequency Waves. Journal of Geophysical Research: Space Physics, 2019, 124, 9448-9461. | 2.4 | 5 |
| 36 | Synchronized whistlers recorded at Varanasi. Pramana - Journal of Physics, 2003, 60, 1273-1277. | 1.8 | 4 |

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|---|---|---|---|
| 37 | Ionospheric Perturbations Induced by a Very Severe Cyclonic Storm (VSCS): A Case Study of Phailin VSCS. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027197. | 2.4 | 4 |
| 38 | Propagation Characteristics and Generation Mechanism of ELF/VLF Hiss Observed at Low-latitude Ground Station (L = 1.17). Earth, Moon and Planets, 2007, 100, 17-29. | 0.6 | 3 |
| 39 | Rare observation of daytime whistlers at very low latitude (L = 1.08). Advances in Space Research, 2018, 61, 1909-1918. | 2.6 | 3 |
| 40 | Title is missing!. Earth, Moon and Planets, 1999, 84, 151-162. | 0.6 | 2 |
| 41 | An explanation of the observation of pulsing hiss at low latitude. Advances in Space Research, 2008, 41, 1695-1698. | 2.6 | 2 |
| 42 | Waves-like signatures in the D-region ionosphere generated by solar flares. , 2014, , . | | 2 |
| 43 | An Estimate of Quiet Time Plasmaspheric Electric Fields from Whistler Observations at Low Latitude.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 211-220. | 0.9 | 2 |
| 44 | Characteristics of whistler ducts recorded at Gulmarg. Earth, Moon and Planets, 1996, 73, 181-186. | 0.6 | 1 |
| 45 | Subionospheric VLF perturbations observed at a low latitude station Varanasi (L=1.07). Advances in Space Research, 2015, 55, 576-585. | 2.6 | 1 |
| 46 | Rare observations of sprites and gravity waves supporting D, E, F-regions ionospheric coupling. Scientific Reports, 2022, 12, 581. | 3.3 | 1 |
| 47 | Damping of ion-cyclotron whistler waves through ionospheric plasma. Earth, Planets and Space, 2003, 55, 203-213. | 2.5 | 0 |
| 48 | Effect of total Lunar Eclipse of 27th July 2018 on the D-region Ionosphere by using VLF observations. Advances in Space Research, 2021, 69, 121-121. | 2.6 | 0 |
| 49 | Very Low Latitude Whistlers (L = 1.08):Arrival Azimuth Determination. Current Science, 2016, 111, 198. | 0.8 | 0 |