

Kan Liou

List of Publications by Year in descending order

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167
papers

5,798
citations

66234

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88477

70
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168
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168
docs citations

168
times ranked

2411
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A nearly universal solar wind-magnetosphere coupling function inferred from 10 magnetospheric state variables. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 499 |
| 2 | Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001, 106, 10791-10802. | 3.3 | 257 |
| 3 | Estimation of global field aligned currents using the iridium [®] System magnetometer data. <i>Geophysical Research Letters</i> , 2001, 28, 2165-2168. | 1.5 | 187 |
| 4 | Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. <i>Geophysical Research Letters</i> , 2000, 27, 851-854. | 1.5 | 172 |
| 5 | Comprehensive study of the magnetospheric response to a hot flow anomaly. <i>Journal of Geophysical Research</i> , 1999, 104, 4577-4593. | 3.3 | 169 |
| 6 | Development of auroral streamers in association with localized impulsive injections to the inner magnetotail. <i>Geophysical Research Letters</i> , 1999, 26, 417-420. | 1.5 | 153 |
| 7 | Is the dynamic magnetosphere an avalanching system?. <i>Geophysical Research Letters</i> , 2000, 27, 911-914. | 1.5 | 135 |
| 8 | Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001, 106, 10777-10789. | 3.3 | 128 |
| 9 | Seasonal effects on auroral particle acceleration and precipitation. <i>Journal of Geophysical Research</i> , 2001, 106, 5531-5542. | 3.3 | 125 |
| 10 | Observation of IMF and seasonal effects in the location of auroral substorm onset. <i>Journal of Geophysical Research</i> , 2001, 106, 5799-5810. | 3.3 | 123 |
| 11 | Synoptic auroral distribution: A survey using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 1997, 102, 27197-27205. | 3.3 | 122 |
| 12 | Characteristics of the solar wind controlled auroral emissions. <i>Journal of Geophysical Research</i> , 1998, 103, 17543-17557. | 3.3 | 114 |
| 13 | A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 107 |
| 14 | Ballooning mode waves prior to substorm-associated dipolarizations: Geotail observations. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 96 |
| 15 | Annual TEC variation in the equatorial anomaly region during the solar minimum: September 1996–August 1997. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 199-207. | 0.6 | 92 |
| 16 | Pairs of solar wind-magnetosphere coupling functions: Combining a merging term with a viscous term works best. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 92 |
| 17 | Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , 2004, 22, 537-548. | 0.6 | 89 |
| 18 | Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 2000, 105, 2495-2505. | 3.3 | 87 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Plasmoid ejection and auroral brightenings. <i>Journal of Geophysical Research</i> , 2001, 106, 3845-3857. | 3.3 | 82 |
| 20 | Magnetic dipolarization with substorm expansion onset. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 23-1. | 3.3 | 82 |
| 21 | OVATION Primeâ€2013: Extension of auroral precipitation model to higher disturbance levels. <i>Space Weather</i> , 2014, 12, 368-379. | 1.3 | 82 |
| 22 | The first super geomagnetic storm of solar cycle 24: â€œThe St. Patrickâ€™s day event (17 March 2015)â€ Earth, Planets and Space, 2016, 68, . | 0.9 | 80 |
| 23 | On relative timing in substorm onset signatures. <i>Journal of Geophysical Research</i> , 1999, 104, 22807-22817. | 3.3 | 79 |
| 24 | Polar cap particle precipitation and aurora: Review and commentary. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 199-215. | 0.6 | 62 |
| 25 | Variation of ionospheric total electron content in Taiwan region of the equatorial anomaly from 1994 to 2003. <i>Advances in Space Research</i> , 2008, 41, 611-616. | 1.2 | 58 |
| 26 | Plasma and magnetic flux transport associated with auroral breakups. <i>Geophysical Research Letters</i> , 1998, 25, 4059-4062. | 1.5 | 57 |
| 27 | Investigation of external triggering of substorms with Polar ultraviolet imager observations. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 57 |
| 28 | Threeâ€dimensional global simulation of interplanetary coronal mass ejection propagation from the Sun to the heliosphere: Solar event of 12 May 1997. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 55 |
| 29 | OVATION: Oval variation, assessment, tracking, intensity, and online nowcasting. <i>Annales Geophysicae</i> , 2002, 20, 1039-1047. | 0.6 | 54 |
| 30 | Statistical visualization of the Earth's magnetotail based on Geotail data and the implied substorm model. <i>Annales Geophysicae</i> , 2009, 27, 1035-1046. | 0.6 | 54 |
| 31 | Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001, 106, 18843-18855. | 3.3 | 53 |
| 32 | Auroral polar cap boundary ion conic outflow observed on FAST. <i>Journal of Geophysical Research</i> , 2001, 106, 3603-3614. | 3.3 | 53 |
| 33 | Substorm cycle dependence of various types of aurora. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 53 |
| 34 | Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , 1999, 26, 2905-2908. | 1.5 | 52 |
| 35 | Solar wind driving and substorm triggering. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 52 |
| 36 | Influence of interplanetary magnetic field on global auroral patterns. <i>Journal of Geophysical Research</i> , 2001, 106, 5913-5926. | 3.3 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Global Positioning System phase fluctuations and ultraviolet images from the Polar satellite. Journal of Geophysical Research, 2000, 105, 5201-5213. | 3.3 | 49 |
| 38 | The quantitative relationship between auroral brightness and solar EUV Pedersen conductance. Journal of Geophysical Research, 2001, 106, 5883-5894. | 3.3 | 49 |
| 39 | Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. Journal of Geophysical Research, 2003, 108, . | 3.3 | 46 |
| 40 | Auroral precipitation power during substorms: A Polar UV Imager-based superposed epoch analysis. Journal of Geophysical Research, 2001, 106, 28885-28896. | 3.3 | 44 |
| 41 | Polar Ultraviolet Imager observation of auroral breakup. Journal of Geophysical Research, 2010, 115, . | 3.3 | 44 |
| 42 | Cusp latitude and the optimal solar wind coupling function. Journal of Geophysical Research, 2006, 111, . | 3.3 | 43 |
| 43 | Neutral composition effects on ionospheric storms at middle and low latitudes. Journal of Geophysical Research, 2005, 110, . | 3.3 | 42 |
| 44 | Polar Ultraviolet Imager observations of global auroral power as a function of polar cap size and magnetotail stretching. Journal of Geophysical Research, 2001, 106, 5895-5905. | 3.3 | 41 |
| 45 | Substorm timings and timescales: A new aspect. Space Science Reviews, 2004, 113, 41-75. | 3.7 | 39 |
| 46 | Auroral kilometric radiation at substorm onset. Journal of Geophysical Research, 2000, 105, 25325-25331. | 3.3 | 37 |
| 47 | Three-dimensional global simulation of multiple ICMs' interaction and propagation from the Sun to the heliosphere following the 25-28 October 2003 solar events. Advances in Space Research, 2007, 40, 1827-1834. | 1.2 | 36 |
| 48 | On the azimuthal location of auroral breakup: Hemispheric asymmetry. Geophysical Research Letters, 2010, 37, . | 1.5 | 36 |
| 49 | Global three-dimensional simulation of the interplanetary evolution of the observed geoeffective coronal mass ejection during the epoch 1-4 August 2010. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 36 |
| 50 | Midday sub-auroral patches (MSPs) associated with interplanetary shocks. Geophysical Research Letters, 2002, 29, 18-1-18-4. | 1.5 | 34 |
| 51 | Correlation of auroral power with the polar cap index. Journal of Geophysical Research, 2003, 108, . | 3.3 | 34 |
| 52 | Source region of 1500 MLT auroral bright spots: Simultaneous Polar UV-images and DMSP particle data. Journal of Geophysical Research, 1999, 104, 24587-24602. | 3.3 | 32 |
| 53 | Evolution of the magnetotail associated with substorm auroral breakups. Journal of Geophysical Research, 2003, 108, . | 3.3 | 32 |
| 54 | Substorm probabilities are best predicted from solar wind speed. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 28-37. | 0.6 | 32 |

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| 55 | Observation of electromagnetic oxygen cyclotron waves in a flickering aurora. <i>Geophysical Research Letters</i> , 1995, 22, 2465-2468. | 1.5 | 31 |
| 56 | Particle injections with auroral expansions. <i>Journal of Geophysical Research</i> , 2001, 106, 5873-5881. | 3.3 | 31 |
| 57 | Difference in magnetotail variations between intense and weak substorms. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 29 |
| 58 | Predictive ability of four auroral precipitation models as evaluated using Polar UVI global images. <i>Space Weather</i> , 2010, 8, n/a-n/a. | 1.3 | 29 |
| 59 | â€œCompression auroraâ€ Particle precipitation driven by longâ€duration high solar wind ram pressure. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 28 |
| 60 | Global simulation of extremely fast coronal mass ejection on 23 July 2012. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 121, 32-41. | 0.6 | 28 |
| 61 | On the relationship between shock-induced polar magnetic bays and solar wind parameters. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 26 |
| 62 | Longitudinal association between magnetotail reconnection and auroral breakup based on Geotail and Polar observations. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 26 |
| 63 | â€œBlobâ€ analysis of auroral substorm dynamics. <i>Journal of Geophysical Research</i> , 2000, 105, 16083-16091. | 3.3 | 24 |
| 64 | Propagation characteristics of Pi 2 magnetic pulsations observed at ground high latitudes. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 24 |
| 65 | Precipitation and total power consumption in the ionosphere: Global MHD simulation results compared with Polar and SNOE observations. <i>Annales Geophysicae</i> , 2006, 24, 861-872. | 0.6 | 24 |
| 66 | OVATIONâ€SM: A model of auroral precipitation based on SuperMAG generalized auroral electrojet and substorm onset times. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3747-3759. | 0.8 | 24 |
| 67 | Interplanetary magnetic fieldBxasymmetry effect on auroral brightness. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 16-1-SIA 16-10. | 3.3 | 22 |
| 68 | Twoâ€step evolution of auroral acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 22 |
| 69 | Saw-tooth substorms: Inconsistency of repetitive bay-like magnetic disturbances with behavior of aurora. <i>Advances in Space Research</i> , 2011, 47, 702-709. | 1.2 | 22 |
| 70 | Prompt ionization in the CRIT II barium releases. <i>Geophysical Research Letters</i> , 1992, 19, 973-976. | 1.5 | 20 |
| 71 | Dynamics of double-theta aurora: Polar UVI study of January 10-11, 1997. <i>Journal of Geophysical Research</i> , 1999, 104, 95-104. | 3.3 | 20 |
| 72 | Global auroral response to negative pressure impulses. <i>Geophysical Research Letters</i> , 2006, 33, . | 1.5 | 20 |

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| 73 | TIMED/GUVI observation of solar illumination effect on auroral energy deposition. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 20 |
| 74 | Longitudinal structure of low-latitude Pi2 pulsations and its dependence on aurora. Journal of Geophysical Research, 2004, 109, . | 3.3 | 19 |
| 75 | Source of Pc4 pulsations observed on the nightside. Journal of Geophysical Research, 2005, 110, . | 3.3 | 19 |
| 76 | A statistical study of energy release and transport midway between the magnetic reconnection and initial dipolarization regions in the near-Earth magnetotail associated with substorm expansion onsets. Journal of Geophysical Research, 2012, 117, . | 3.3 | 19 |
| 77 | Statistical comparison of isolated and non-isolated auroral substorms. Journal of Geophysical Research: Space Physics, 2013, 118, 2466-2477. | 0.8 | 19 |
| 78 | Numerical simulation of multiple CME-driven shocks in the month of 2011 September. Journal of Geophysical Research: Space Physics, 2016, 121, 1839-1856. | 0.8 | 19 |
| 79 | Global magnetohydrodynamic simulation of the 15 March 2013 coronal mass ejection event—interpretation of the 30–80 MeV proton flux. Journal of Geophysical Research: Space Physics, 2016, 121, 56-76. | 0.8 | 19 |
| 80 | Solar wind density and velocity control of auroral brightness under normal interplanetary magnetic field conditions. Journal of Geophysical Research, 2002, 107, SMP 9-1-SMP 9-6. | 3.3 | 18 |
| 81 | Global auroral power as an index for geospace disturbances. Geophysical Research Letters, 2002, 29, 41-1. | 1.5 | 18 |
| 82 | Relationship between magnetotail variations and auroral activities during substorms. Journal of Geophysical Research, 2003, 108, SMP 13-1. | 3.3 | 18 |
| 83 | Longitudinal dependence of characteristics of low-latitude Pi2 pulsations observed at Kakioka and Hermanus. Earth, Planets and Space, 2006, 58, 775-783. | 0.9 | 18 |
| 84 | The effect of geomagnetic storm on ionospheric total electron content at the equatorial anomaly region. Advances in Space Research, 1999, 24, 1491-1494. | 1.2 | 17 |
| 85 | The 04–10 September 2017 Sun–Earth Connection Events: Solar Flares, Coronal Mass Ejections/Magnetic Clouds, and Geomagnetic Storms. Solar Physics, 2019, 294, 1. | 1.0 | 17 |
| 86 | Substorm associated changes in the high-latitude ionospheric convection. Geophysical Research Letters, 2003, 30, . | 1.5 | 16 |
| 87 | Observations of ionospheric plasma flows within theta auroras. Journal of Geophysical Research, 2005, 110, . | 3.3 | 16 |
| 88 | Propagation characteristics of Pi 2 pulsations observed at high- and low-latitude MAGDAS/CPMN stations: A statistical study. Journal of Geophysical Research, 2009, 114, . | 3.3 | 16 |
| 89 | Aurora conjugacy during substorms: Coordinated Antarctic ground and Polar Ultraviolet observations. Journal of Geophysical Research, 2001, 106, 24579-24591. | 3.3 | 15 |
| 90 | Two-component auroras. Geophysical Research Letters, 2002, 29, 17-1-17-4. | 1.5 | 15 |

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| 91 | Substorm Occurrence and Intensity Associated With Three Types of Solar Wind Structure. Journal of Geophysical Research: Space Physics, 2018, 123, 485-496. | 0.8 | 15 |
| 92 | Polar UVI observations of dayside auroral transient events. Journal of Geophysical Research, 2001, 106, 28897-28911. | 3.3 | 14 |
| 93 | Identification of substorms within storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 125-132. | 0.6 | 14 |
| 94 | Pressure changes associated with substorm depolarization in the near-Earth plasma sheet. Journal of Geophysical Research, 2010, 115, . | 3.3 | 14 |
| 95 | Dayside auroral activity as a possible precursor of substorm onsets: A survey using Polar ultraviolet imagery. Journal of Geophysical Research, 1997, 102, 19835-19843. | 3.3 | 13 |
| 96 | Plasmoids observed in the near-Earth magnetotail at $X \approx 7R_E$. Journal of Geophysical Research, 2005, 110, . | 3.3 | 13 |
| 97 | Large, abrupt pressure decreases as a substorm onset trigger. Geophysical Research Letters, 2007, 34, . | 1.5 | 13 |
| 98 | Successive substorm expansions during a period of prolonged northward interplanetary magnetic field. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 13 |
| 99 | Plasma sheet changes caused by sudden enhancements of the solar wind pressure. Journal of Geophysical Research, 2010, 115, . | 3.3 | 12 |
| 100 | Hemispheric asymmetry of the dayside aurora due to imbalanced solar insolation. Scientific Reports, 2020, 10, 13451. | 1.6 | 12 |
| 101 | Stepwise feature of aurora during substorm expansion compared with the near-Earth tail dipolarization: Possible types of substorm dynamics. Journal of Geophysical Research, 2010, 115, . | 3.3 | 11 |
| 102 | On the interplanetary magnetic field control of substorm bulge expansion. Journal of Geophysical Research, 2006, 111, . | 3.3 | 10 |
| 103 | A Fresh Look at Substorm Onset Identifiers. Astrophysics and Space Science Library, 1998, , 249-252. | 1.0 | 10 |
| 104 | Correlative study of ultraviolet aurora and low-latitude Pi2 pulsations. Journal of Geophysical Research, 2002, 107, SMP 2-1-SMP 2-14. | 3.3 | 9 |
| 105 | Quiet time magnetotail plasma flow: Coordinated Polar ultraviolet images and Geotail observations. Journal of Geophysical Research, 2003, 108, . | 3.3 | 9 |
| 106 | Quantitative relationships between plasma sheet fast flows and nightside auroral power. Journal of Geophysical Research, 2003, 108, . | 3.3 | 9 |
| 107 | Polar Ultraviolet Imager observations of solar wind-driven ULF auroral pulsations. Geophysical Research Letters, 2008, 35, . | 1.5 | 9 |
| 108 | AKR modulation and global Pi2 oscillation. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 9 |

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| 109 | Observation of an Extremely Large-Density Heliospheric Plasma Sheet Compressed by an Interplanetary Shock at 1 AU. <i>Solar Physics</i> , 2017, 292, 1. | 1.0 | 9 |
| 110 | Statistical study of polar negative magnetic bays driven by interplanetary fast-mode shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7463-7472. | 0.8 | 9 |
| 111 | North-South Asymmetry in the Geographic Location of Auroral Substorms correlated with Ionospheric Effects. <i>Scientific Reports</i> , 2018, 8, 17230. | 1.6 | 9 |
| 112 | Hemispheric Asymmetry of the Premidnight Aurora Associated With the Dawn-Dusk Component of the Interplanetary Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1625-1634. | 0.8 | 9 |
| 113 | Control of the East-West Component of the Interplanetary Magnetic Field on the Occurrence of Magnetic Substorms. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087406. | 1.5 | 9 |
| 114 | On Ba+production in the CRIT II Experiment. <i>Journal of Geophysical Research</i> , 1995, 100, 5811. | 3.3 | 8 |
| 115 | A new technique for short-term forecast of auroral activity. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a. | 1.5 | 8 |
| 116 | A case study of relationship between substorm expansion and global plasma convection. <i>Geophysical Research Letters</i> , 2006, 33, . | 1.5 | 8 |
| 117 | Global auroral response to interplanetary media with emphasis on solar wind dynamic pressure enhancements. <i>Geophysical Monograph Series</i> , 2006, , 197-212. | 0.1 | 8 |
| 118 | Narrow Plasma Streams as a Candidate to Populate the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 0, , 55-60. | 0.1 | 8 |
| 119 | Plasma sheet fast flows and auroral dynamics during substorm: a case study. <i>Annales Geophysicae</i> , 2002, 20, 341-347. | 0.6 | 7 |
| 120 | Energetics of a substorm on 15 August, 2001: Comparing empirical methods and a global MHD simulation. <i>Advances in Space Research</i> , 2005, 36, 1825-1829. | 1.2 | 7 |
| 121 | Global and local equatorward expansion of the ion auroral oval before substorm onsets. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 7 |
| 122 | Modeling inner boundary values at 18 solar radii during solar quiet time for global three-dimensional time-dependent magnetohydrodynamic numerical simulation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 201, 105211. | 0.6 | 7 |
| 123 | An Electric-field-driven Global Coronal Magnetohydrodynamics Simulation Model Using Helioseismic and Magnetic Imager Vector-magnetic-field Synoptic Map Data. <i>Astrophysical Journal</i> , 2022, 930, 60. | 1.6 | 7 |
| 124 | Statistical patterns in X-ray and UV auroral emissions and energetic electron precipitation. <i>Journal of Geophysical Research</i> , 2001, 106, 5907-5911. | 3.3 | 6 |
| 125 | Timing and location of phenomena during auroral breakup: A case study. <i>Advances in Space Research</i> , 2002, 30, 1775-1778. | 1.2 | 6 |
| 126 | Meso-scale aurora within the expansion phase bulge. <i>Annales Geophysicae</i> , 2006, 24, 2209-2218. | 0.6 | 6 |

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|-----|--|-----|-----------|
| 127 | Comment on "Wavelet-based ULF wave diagnosis of substorm expansion phase onset" by K. Murphy et al.. Journal of Geophysical Research, 2009, 114, . | 3.3 | 6 |
| 128 | Effects of the interplanetary magnetic field y component on the dayside aurora. Geoscience Letters, 2019, 6, . | 1.3 | 6 |
| 129 | Reply [to "Comment on "Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery" by K. Liou, et al."]. Journal of Geophysical Research, 2001, 106, 18923-18926. | 3.3 | 5 |
| 130 | Substorm onset location and the equatorward boundary of the proton auroral oval. Geophysical Research Letters, 2002, 29, 12-1-12-4. | 1.5 | 5 |
| 131 | Relatively low-latitude wave aurora and substorms. Geophysical Research Letters, 2010, 37, . | 1.5 | 5 |
| 132 | Observations of field line resonance with global auroral images. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 105-106, 152-159. | 0.6 | 5 |
| 133 | Ionospheric Response to Solar Wind Pressure Pulses Under Northward IMF Conditions. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 183. | 0.3 | 5 |
| 134 | Response of northern winter polar cap to auroral substorms. Geophysical Research Letters, 2016, 43, 4098-4105. | 1.5 | 5 |
| 135 | A comparison between the geoeffectiveness of north-south and south-north magnetic clouds and an associated prediction. Space Weather, 2017, 15, 517-525. | 1.3 | 5 |
| 136 | Testing the expanding-contracting polar cap paradigm. Journal of Geophysical Research: Space Physics, 2017, 122, 7077-7086. | 0.8 | 5 |
| 137 | Momentum coupling in the "CRIT II" critical ionization velocity experiment. Journal of Geophysical Research, 1996, 101, 19649-19657. | 3.3 | 4 |
| 138 | Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. Geophysical Research Letters, 2000, 27, 1831-1834. | 1.5 | 4 |
| 139 | Multisatellite low-altitude observations of a magnetopause merging burst. Journal of Geophysical Research, 2010, 115, . | 3.3 | 4 |
| 140 | Investigation of Solar/Heliospheric Anomalies Associated with the Solar Minimum of 2007 - 2008. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 243. | 0.3 | 4 |
| 141 | Study of a global auroral Pc5 pulsation event with concurrent ULF waves. Geophysical Research Letters, 2014, 41, 6547-6555. | 1.5 | 4 |
| 142 | Ionospheric signature of a magnetic flux rope in the magnetotail. Geophysical Research Letters, 1998, 25, 3733-3736. | 1.5 | 3 |
| 143 | The distribution of auroral power increases and decreases. Geophysical Research Letters, 2002, 29, 62-1-62-4. | 1.5 | 3 |
| 144 | Correction to "A case study of relationship between substorm expansion and global plasma convection". Geophysical Research Letters, 2006, 33, n/a-n/a. | 1.5 | 3 |

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|-----|--|-----|-----------|
| 145 | Ionospheric characteristics of the dusk-side branch of the two-cell aurora. <i>Annales Geophysicae</i> , 2006, 24, 203-214. | 0.6 | 3 |
| 146 | Heliospheric three-dimensional global simulation of multiple interacting coronal mass ejections during the Halloween 2003 epoch. <i>AIP Conference Proceedings</i> , 2012, , . | 0.3 | 3 |
| 147 | Assessment of the auroral electrojet index performance under various geomagnetic conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 92, 31-36. | 0.6 | 3 |
| 148 | A Possible Cause of the Diminished Solar Wind During the Solar Cycle 23â€™â€™24 Minimum. <i>Solar Physics</i> , 2016, 291, 3777-3792. | 1.0 | 3 |
| 149 | The Solar Wind Speed Expansion Factor [v_{ext}] Relationship at the Inner Boundary (18) T_j ETQq1,1,0.784314 rgBT /O | 1.0 | 3 |
| 150 | Westward traveling surge dynamics and the local structure of an isolated substorm. <i>Advances in Space Research</i> , 2001, 28, 1623-1629. | 1.2 | 2 |
| 151 | Evolution of a magnetohydrodynamic coronal shock. <i>AIP Conference Proceedings</i> , 2012, , . | 0.3 | 2 |
| 152 | Magnetohydrodynamic Fast Shocks and Their Relation to Solar Energetic Particle Event Intensities. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 165. | 0.3 | 2 |
| 153 | Heliospheric plasma sheet inflation as a cause of solar wind anomaly during the solar cycle 23-24 minimum. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 2 |
| 154 | Asymmetric sunlight effect on dayside/nightside auroral precipitation. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001, 26, 43-47. | 0.2 | 1 |
| 155 | Magnetotail variations associated with substorm expansion onsets for storm time and nonstorm time. <i>Geophysical Research Letters</i> , 2006, 33, . | 1.5 | 1 |
| 156 | Oscillations of the equatorward boundary of the ion auroral oval â€™ radar observations. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 1 |
| 157 | Relationship between solar energetic oxygen flux and MHD shock mach number. <i>AIP Conference Proceedings</i> , 2012, , . | 0.3 | 1 |
| 158 | Dawnâ€™Dusk Auroral Oval Oscillations Associated With Highâ€™Speed Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 600-610. | 0.8 | 1 |
| 159 | Solar Cycle Variation of the Heliospheric Plasma Sheet Thickness. <i>Solar Physics</i> , 2019, 294, 1. | 1.0 | 1 |
| 160 | Large-density ($>50 \text{ cm}^{-3}$) heliospheric plasma sheets recorded by the Wind spacecraft between 1995 and 2017. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012011. | 0.3 | 1 |
| 161 | Dawnâ€™Dusk Asymmetry in Energetic ($>20 \text{ keV}$) Particles Adjacent to Saturn's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028264. | 0.8 | 1 |
| 162 | Study of a sequence of substorm onsets on the basis of coordinated ground-satellite observations. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 559-563. | 0.3 | 0 |

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|-----|---|-----|-----------|
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