

# M-C Fok

## List of Publications by Year in descending order

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155  
papers

4,501  
citations

126708

33  
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162  
all docs

162  
docs citations

162  
times ranked

1898  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Comprehensive computational model of Earth's ring current. Journal of Geophysical Research, 2001, 106, 8417-8424.   | 3.3 | 246       |
| 2  | Ring current development during storm main phase. Journal of Geophysical Research, 1996, 101, 15311-15322.  | 3.3 | 158       |
| 3  | Decay of equatorial ring current ions and associated aeronomical consequences. Journal of Geophysical Research, 1993, 98, 19381-19393.  | 3.3 | 151       |
| 4  | Three-Dimensional Ring Current Decay Model. Journal of Geophysical Research, 1995, 100, 9619.   | 3.3 | 145       |
| 5  | Lifetime of ring current particles due to coulomb collisions in the plasmasphere. Journal of Geophysical Research, 1991, 96, 7861-7867.   | 3.3 | 143       |
| 6  | Radiation Belt Environment model: Application to space weather nowcasting. Journal of Geophysical Research, 2008, 113, .  | 3.3 | 140       |
| 7  | Modeling of inner plasma sheet and ring current during substorms. Journal of Geophysical Research, 1999, 104, 14557-14569.  | 3.3 | 112       |
| 8  | Global ena Image Simulations. Space Science Reviews, 2003, 109, 77-103.   | 3.7 | 107       |
| 9  | The Comprehensive Inner Magnetosphere-Ionosphere Model. Journal of Geophysical Research: Space Physics, 2014, 119, 7522-7540.   | 0.8 | 106       |
| 10 | Impulsive enhancements of oxygen ions during substorms. Journal of Geophysical Research, 2006, 111, .   | 3.3 | 99        |
| 11 | Global ENA observations of the storm mainphase ring current: Implications for skewed electric fields in the inner magnetosphere. Geophysical Research Letters, 2002, 29, 15-1-15-3. | 1.5 | 92        |
| 12 | The dayside reconnection X line. Journal of Geophysical Research, 2002, 107, SMP 26-1.  | 3.3 | 92        |
| 13 | Medium energy neutral atom (MENA) imager for the IMAGE mission. Space Science Reviews, 2000, 91, 113-154.   | 3.7 | 90        |
| 14 | The role of precipitation losses in producing the rapid early recovery phase of the Great Magnetic Storm of February 1986. Journal of Geophysical Research, 1998, 103, 6801-6814.   | 3.3 | 84        |
| 15 | Ring current modeling in a realistic magnetic field configuration. Geophysical Research Letters, 1997, 24, 1775-1778.   | 1.5 | 82        |
| 16 | Ring current and the magnetosphere-ionosphere coupling during the superstorm of 20 November 2003. Journal of Geophysical Research, 2005, 110, .                                     | 3.3 | 78        |
| 17 | A bounce-averaged kinetic model of the ring current ion population. Geophysical Research Letters, 1994, 21, 2785-2788.  | 1.5 | 77        |
| 18 | CRCM + BATS-R-US two-way coupling. Journal of Geophysical Research: Space Physics, 2013, 118, 1635-1650.  | 0.8 | 72        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Rapid enhancement of radiation belt electron fluxes due to substorm dipolarization of the geomagnetic field. <i>Journal of Geophysical Research</i> , 2001, 106, 3873-3881.                             | 3.3 | 64        |
| 20 | Recent developments in the radiation belt environment model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1435-1443.   | 0.6 | 63        |
| 21 | Postmidnight storm-time enhancement of tens-of-keV proton flux. <i>Journal of Geophysical Research</i> , 2004, 109, .   | 3.3 | 57        |
| 22 | Observations of neutral atoms from the solar wind. <i>Journal of Geophysical Research</i> , 2001, 106, 24893-24906.   | 3.3 | 56        |
| 23 | X-ray emission from the terrestrial magnetosheath including the cusps. <i>Journal of Geophysical Research</i> , 2006, 111, .  | 3.3 | 50        |
| 24 | On the relative importance of convection and temperature to the behavior of the ionosphere in North America during January 6-12, 1997. <i>Journal of Geophysical Research</i> , 2000, 105, 12763-12776. | 3.3 | 49        |
| 25 | Influence of ionosphere conductivity on the ring current. <i>Journal of Geophysical Research</i> , 2004, 109, .   | 3.3 | 49        |
| 26 | Imaging Plasma Density Structures in the Soft X-Rays Generated by Solar Wind Charge Exchange with Neutrals. <i>Space Science Reviews</i> , 2018, 214, 1.  | 3.7 | 47        |
| 27 | Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. <i>Journal of Geophysical Research</i> , 2005, 110, .   | 3.3 | 43        |
| 28 | Dynamics of ring current and electric fields in the inner magnetosphere during disturbed periods: CRISM-BATS-CRUS coupled model. <i>Journal of Geophysical Research</i> , 2010, 115, .                  | 3.3 | 42        |
| 29 | On ionospheric trough conductance and subauroral polarization streams: Simulation results. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 41        |
| 30 | Two-dimensional observations of overshielding during a magnetic storm by the Super Dual Auroral Radar Network (SuperDARN) Hokkaido radar. <i>Journal of Geophysical Research</i> , 2008, 113, .         | 3.3 | 41        |
| 31 | Ring current dynamics in moderate and strong storms: Comparative analysis of TWINS and IMAGE/HENA data with the Comprehensive Ring Current Model. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 39        |
| 32 | Evolution of low-altitude and ring current ENA emissions from a moderate magnetospheric storm: Continuous and simultaneous TWINS observations. <i>Journal of Geophysical Research</i> , 2010, 115, .    | 3.3 | 39        |
| 33 | Self-consistent magnetosphere-ionosphere coupling: Theoretical studies. <i>Journal of Geophysical Research</i> , 2003, 108, .   | 3.3 | 38        |
| 34 | Magnetospheric convection electric field dynamics and stormtime particle energization: case study of the magnetic storm of 4 May 1998. <i>Annales Geophysicae</i> , 2004, 22, 497-510.                  | 0.6 | 34        |
| 35 | Nonlinear impact of plasma sheet density on the storm-time ring current. <i>Journal of Geophysical Research</i> , 2005, 110, .  | 3.3 | 34        |
| 36 | Magnetic coupling of the ring current and the radiation belt. <i>Journal of Geophysical Research</i> , 2008, 113, .   | 3.3 | 34        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Deconvolution of Energetic Neutral Atom Images of the Earth's Magnetosphere. Space Science Reviews, 2000, 91, 421-436.  | 3.7 | 32        |
| 38 | Rapid decay of storm time ring current due to pitch angle scattering in curved field line. Journal of Geophysical Research, 2011, 116, .  | 3.3 | 32        |
| 39 | Characteristics of 2â€“6 MeV electrons in the slot region and inner radiation belt. Journal of Geophysical Research, 2006, 111, .   | 3.3 | 31        |
| 40 | Dynamical property of storm time subauroral rapid flows as a manifestation of complex structures of the plasma pressure in the inner magnetosphere. Journal of Geophysical Research, 2009, 114, . | 3.3 | 31        |
| 41 | Rapid rebuilding of the outer radiation belt. Journal of Geophysical Research, 2011, 116, n/a-n/a.  | 3.3 | 31        |
| 42 | Tailward flow of energetic neutral atoms observed at Mars. Journal of Geophysical Research, 2008, 113, .  | 3.3 | 30        |
| 43 | Ring Currents and Internal Plasma Sources. Space Science Reviews, 2001, 95, 555-568.  | 3.7 | 29        |
| 44 | Integration of the radiation belt environment model into the space weather modeling framework. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1653-1663.                         | 0.6 | 29        |
| 45 | Low-energy neutral atom signatures of magnetopause motion in response to southwardBz. Journal of Geophysical Research, 2005, 110, .   | 3.3 | 28        |
| 46 | Effects of different geomagnetic storm drivers on the ring current: CRCM results. Journal of Geophysical Research: Space Physics, 2013, 118, 1062-1073.   | 0.8 | 28        |
| 47 | A scheme for forecasting severe space weather. Journal of Geophysical Research: Space Physics, 2017, 122, 2824-2835.  | 0.8 | 28        |
| 48 | A radiation belt-ring current forecasting model. Space Weather, 2003, 1, n/a-n/a.   | 1.3 | 26        |
| 49 | Simulation and TWINS observations of the 22 July 2009 storm. Journal of Geophysical Research, 2010, 115, .  | 3.3 | 26        |
| 50 | Remote observations of ion temperatures in the quiet time magnetosphere. Geophysical Research Letters, 2011, 38, n/a-n/a.   | 1.5 | 26        |
| 51 | Global aspects of solar windâ€“ionosphere interactions. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 265-278.  | 0.6 | 25        |
| 52 | Moonâ€“based EUV imaging of the Earth's Plasmasphere: Model simulations. Journal of Geophysical Research: Space Physics, 2013, 118, 7085-7103.  | 0.8 | 25        |
| 53 | Relationship between Region 2 field-aligned current and the ring current: Model results. Journal of Geophysical Research, 2006, 111, .  | 3.3 | 24        |
| 54 | Pressure anisotropy in global magnetospheric simulations: Coupling with ring current models. Journal of Geophysical Research: Space Physics, 2013, 118, 5639-5658.                                | 0.8 | 24        |

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|----|--|-----|-----------|
| 55 | The ionospheric outflow feedback loop. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 115-116, 59-66.   | 0.6 | 24        |
| 56 | A new solar wind-driven global dynamic plasma-pause model: 2. Model and validation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7172-7187.  | 0.8 | 24        |
| 57 | Stormtime particle energization with high temporal resolution AMIE potentials. <i>Journal of Geophysical Research</i> , 2004, 109, .   | 3.3 | 23        |
| 58 | Plasma plume circulation and impact in an MHD substorm. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 23        |
| 59 | Self-consistent model of magnetospheric electric field, ring current, plasmasphere, and electromagnetic ion cyclotron waves: Initial results. <i>Journal of Geophysical Research</i> , 2009, 114, .          | 3.3 | 23        |
| 60 | A Case Study on the Origin of Near-Earth Plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028205.   | 0.8 | 23        |
| 61 | TWINS stereoscopic imaging of multiple peaks in the ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 368-383.  | 0.8 | 22        |
| 62 | Global, collisional model of high-energy photoelectrons. <i>Geophysical Research Letters</i> , 1996, 23, 331-334.  | 1.5 | 21        |
| 63 | Oxygen-hydrogen differentiated observations from TWINS: The 22 July 2009 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3377-3393.  | 0.8 | 21        |
| 64 | Including Kinetic Ion Effects in the Coupled Global Ionospheric Outflow Solution. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2851-2871.  | 0.8 | 21        |
| 65 | Magnetosheath variations during the storm main phase on 20 November 2003: Evidence for solar wind density control of energy transfer to the magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 20        |
| 66 | Modeling global O <sup>+</sup> substorm injection using analytic magnetic field model. <i>Journal of Geophysical Research</i> , 2006, 111, .   | 3.3 | 20        |
| 67 | Tailward flow of energetic neutral atoms observed at Venus. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 20        |
| 68 | Comparative analysis of low-altitude ENA emissions in two substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 724-731.   | 0.8 | 20        |
| 69 | Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5401-5448.   | 0.8 | 20        |
| 70 | The Unknown Hydrogen Exosphere: Space Weather Implications. <i>Space Weather</i> , 2018, 16, 205-215.  | 1.3 | 20        |
| 71 | Large magnetic storms as viewed by TWINS: A study of the differences in the medium energy ENA composition. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2819-2835.                     | 0.8 | 19        |
| 72 | Simulation of a rapid dropout event for highly relativistic electrons with the RBE model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4092-4102.                                      | 0.8 | 19        |

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|----|--|-----|-----------|
| 73 | Modeling the superstorm in November 2003. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.   | 3.3 | 18        |
| 74 | Superposed epoch analyses of ion temperatures during CME- and CIR/HSS-driven storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 115-116, 67-78.   | 0.6 | 18        |
| 75 | Global images of trapped ring current ions during main phase of 17 March 2015 geomagnetic storm as observed by TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6509-6525.                    | 0.8 | 18        |
| 76 | Determination of the Earth's plasmopause location from the CEâ€³ EUVC images. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 296-304.  | 0.8 | 18        |
| 77 | Heliosphere-Geosphere Interactions Using Low Energy Neutral Atom Imaging. <i>Space Science Reviews</i> , 2003, 109, 351-371.   | 3.7 | 17        |
| 78 | A method for estimating the ring current structure and the electric potential distribution using energetic neutral atom data assimilation. <i>Journal of Geophysical Research</i> , 2008, 113, .                       | 3.3 | 17        |
| 79 | Estimation of pitch angle diffusion rates and precipitation time scales of electrons due to EMIC waves in a realistic field model. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8529-8546.       | 0.8 | 17        |
| 80 | CIMI simulations with newly developed multiparameter chorus and plasmaspheric hiss wave models. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9344-9357.  | 0.8 | 17        |
| 81 | Initial Results From the GEM Challenge on the Spacecraft Surface Charging Environment. <i>Space Weather</i> , 2019, 17, 299-312.   | 1.3 | 17        |
| 82 | Solar cycle variation in the subauroral electron temperature enhancement: Comparison of AEâ€³ and DE 2 satellite observations. <i>Journal of Geophysical Research</i> , 1991, 96, 1861-1866.                           | 3.3 | 16        |
| 83 | Neutral atom imaging of solar wind interaction with the Earth and Venus. <i>Journal of Geophysical Research</i> , 2004, 109, .   | 3.3 | 16        |
| 84 | Response of neutral atom emissions in the low-latitude and high-latitude magnetosheath direction to the magnetopause motion under extreme solar wind conditions. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 16        |
| 85 | Ion energization during substorms at Mercury. <i>Planetary and Space Science</i> , 2007, 55, 1502-1508.  | 0.9 | 16        |
| 86 | A new solar windâ€³driven global dynamic plasmopause model: 1. Database and statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7153-7171.  | 0.8 | 16        |
| 87 | An Energetic Electron Flux Dropout Due to Magnetopause Shadowing on 1 June 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1178-1190.   | 0.8 | 16        |
| 88 | Medium Energy Neutral Atom (MENA) Imager for the Image Mission. , 2000, , 113-154.   |     | 16        |
| 89 | Seasonal variations in the subauroral electron temperature enhancement. <i>Journal of Geophysical Research</i> , 1991, 96, 9773-9780.  | 3.3 | 15        |
| 90 | Geospace storm processes coupling the ring current, radiation belt and plasmasphere. <i>Geophysical Monograph Series</i> , 2005, , 207-220.  | 0.1 | 15        |

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|-----|---|-----|-----------|
| 91  | Ring current-plasmasphere coupling through Coulomb collisions. Geophysical Monograph Series, 1995, , 161-171.   | 0.1 | 14        |
| 92  | Convective growth of electromagnetic ion cyclotron waves from realistic ring current ion distributions. Journal of Geophysical Research: Space Physics, 2016, 121, 10,966.  | 0.8 | 14        |
| 93  | Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. Journal of Geophysical Research: Space Physics, 2019, 124, 1660-1678. | 0.8 | 14        |
| 94  | Inversion of the Earth's Plasmaspheric Density Distribution from EUV Images with Genetic Algorithm. Chinese Journal of Geophysics, 2012, 55, 1-9.   | 0.2 | 13        |
| 95  | Soft X-ray and ENA Imaging of the Earth's Dayside Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028816.  | 0.8 | 13        |
| 96  | Solar and ionospheric plasmas in the ring current region. Geophysical Monograph Series, 2005, , 179-194.  | 0.1 | 12        |
| 97  | Monitoring the high-altitude cusp with the Low Energy Neutral Atom imager: Simultaneous observations from IMAGE and Polar. Journal of Geophysical Research, 2005, 110, .  | 3.3 | 12        |
| 98  | Buildup of the ring current during periodic loading-unloading cycles in the magnetotail driven by steady southward interplanetary magnetic field. Journal of Geophysical Research, 2007, 112, .   | 3.3 | 12        |
| 99  | Plasmaspheric trough evolution under different conditions of subauroral ion drift. Science China Technological Sciences, 2012, 55, 1287-1294.   | 2.0 | 12        |
| 100 | Electron energy diffusion and advection due to non-linear electron-chorus wave interactions. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 80, 152-160.   | 0.6 | 12        |
| 101 | Electron Drift Resonance in the MHD-Coupled Comprehensive Inner Magnetosphere-Ionosphere Model. Journal of Geophysical Research: Space Physics, 2017, 122, 12,006.  | 0.8 | 12        |
| 102 | Local Heating of Oxygen Ions in the Presence of Magnetosonic Waves: Possible Source for the Warm Plasma Cloak?. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027210.   | 0.8 | 12        |
| 103 | Reconstruction of the plasmasphere from Moon-based EUV images. Journal of Geophysical Research, 2011, 116, n/a-n/a.   | 3.3 | 11        |
| 104 | Theory, modeling, and integrated studies in the Arase (ERG) project. Earth, Planets and Space, 2018, 70, .  | 0.9 | 11        |
| 105 | Ion dynamics during compression of Mercury's magnetosphere. Annales Geophysicae, 2010, 28, 1467-1474.   | 0.6 | 10        |
| 106 | Effects of energy and pitch angle mixed diffusion on radiation belt electrons. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 785-795.   | 0.6 | 10        |
| 107 | Effect of multiple substorms on the buildup of the ring current. Journal of Geophysical Research, 2005, 110, .  | 3.3 | 9         |
| 108 | Generation of plasmaspheric undulations. Geophysical Research Letters, 2008, 35, .  | 1.5 | 9         |

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|-----|---|-----|-----------|
| 109 | Calculation of the extreme ultraviolet radiation of the earth's plasmasphere. <i>Science China Technological Sciences</i> , 2010, 53, 200-205.  | 2.0 | 9         |
| 110 | The plasma sheet source groove. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 505-512.  | 0.6 | 8         |
| 111 | Estimation of temporal evolution of the helium plasmasphere based on a sequence of IMAGE/EUV images. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3708-3723.                                | 0.8 | 8         |
| 112 | Impact of substorm time $O^+$ outflow on ring current enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6304-6317.  | 0.8 | 8         |
| 113 | Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US-CRCM. <i>Annales Geophysicae</i> , 2018, 36, 107-124.                                       | 0.6 | 8         |
| 114 | On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12: A Case Study*. <i>Astrophysical Journal</i> , 2019, 872, 36. | 1.6 | 8         |
| 115 | New Developments in the Comprehensive Inner Magnetosphere-Ionosphere Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028987.   | 0.8 | 8         |
| 116 | Microscale effects from global hot plasma imagery. <i>Geophysical Monograph Series</i> , 1995, , 37-46.   | 0.1 | 7         |
| 117 | Quantitative modeling of modulated ion injections observed by Polar-Thermal Ion Dynamics Experiment in the cusp region. <i>Journal of Geophysical Research</i> , 2000, 105, 25191-25203.                          | 3.3 | 7         |
| 118 | Global response to local ionospheric mass ejection. <i>Journal of Geophysical Research</i> , 2010, 115, .   | 3.3 | 7         |
| 119 | Global Distribution of ULF Waves During Magnetic Storms: Comparison of Arase, Ground Observations, and BATS-R-US-CRCM Simulation. <i>Geophysical Research Letters</i> , 2018, 45, 9390-9397.                      | 1.5 | 7         |
| 120 | Global ENA IMAGE Simulations. , 2003, , 77-103.   |     | 7         |
| 121 | Viewing perspective in energetic neutral atom intensity. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 6         |
| 122 | Effects of plasma sheet properties on storm-time ring current. <i>Journal of Geophysical Research</i> , 2010, 115, .  | 3.3 | 6         |
| 123 | Drift-Shell Splitting in an Asymmetric Magnetic Field. <i>Geophysical Monograph Series</i> , 0, , 327-331.  | 0.1 | 6         |
| 124 | Estimation of the helium ion density distribution in the plasmasphere based on a single IMAGE/EUV image. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3724-3740.                            | 0.8 | 6         |
| 125 | Magnetospheric boundary perturbations on MHD and kinetic scales. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 113-137.  | 0.8 | 6         |
| 126 | Magnetotail Inner Magnetosphere Transport Associated With Fast Flows Based on Combined Global Hybrid and CIMI Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028405.       | 0.8 | 6         |



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|-----|---|-----|-----------|
| 127 | Comprehensive analysis of the flux dropout during 7 <sup>th</sup> –8 November 2008 storm using multisatellite observations and RBE model. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4298-4312.               | 0.8 | 5         |
| 128 | Inverse energy dispersion of energetic ions observed in the magnetosheath. <i>Geophysical Research Letters</i> , 2016, 43, 7338-7347.   | 1.5 | 5         |
| 129 | Energetic particle injections into the outer cusp during compression events. <i>Earth, Planets and Space</i> , 2005, 57, 125-130.   | 0.9 | 4         |
| 130 | On the effect of IMF turning on ion dynamics at Mercury. <i>Annales Geophysicae</i> , 2011, 29, 987-996.  | 0.6 | 4         |
| 131 | Non-linear whistler mode wave effects on magnetospheric energetic electrons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 102, 8-16.   | 0.6 | 4         |
| 132 | Dynamics of a geomagnetic storm on 7 <sup>th</sup> –10 September 2015 as observed by TWINS and simulated by CIMI. <i>Annales Geophysicae</i> , 2018, 36, 1439-1456.   | 0.6 | 4         |
| 133 | Imaging a geomagnetic storm with energetic neutral atoms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 911-917.  | 0.6 | 3         |
| 134 | Investigation of 3D Energetic Particle Transport Inside Quiet-Time Magnetosphere using Particle Tracing in Global MHD Model. <i>Geophysical Monograph Series</i> , 0, , 307-318.  | 0.1 | 3         |
| 135 | Proton auroral intensifications and injections at synchronous altitude. <i>Geophysical Research Letters</i> , 2006, 33, .   | 1.5 | 3         |
| 136 | Controlling factors of Region 2 field-aligned current and its relationship to the ring current: Model results. <i>Advances in Space Research</i> , 2008, 41, 1234-1242.   | 1.2 | 3         |
| 137 | A comparison of Neutral Atom Detector Unit neutral atom image inversion with a comprehensive ring current model. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 3         |
| 138 | Geomagnetic Storms: First-Principles Models for Extreme Geospace Environment. , 2018, , 231-258.  |     | 3         |
| 139 | Does Ring Current Heating Generate the Observed O <sup>+</sup> Shell?. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088419.   | 1.5 | 3         |
| 140 | Cross-regional coupling. , 2020, , 225-244.   |     | 3         |
| 141 | Nonlinear Wave Growth Analysis of Whistler-Mode Chorus Generation Regions Based on Coupled MHD and Advection Simulation of the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026951. | 0.8 | 3         |
| 142 | Observations of Density Cavities and Associated Warm Ion Flux Enhancements in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028326.  | 0.8 | 3         |
| 143 | Deconvolution of Energetic Neutral Atom Images of the Earth's Magnetosphere. , 2000, , 421-436.   |     | 3         |
| 144 | Time Scales for Localized Radiation Belt Injections to Become a Thin Shell. <i>Geophysical Monograph Series</i> , 0, , 161-176.   | 0.1 | 2         |

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|-----|--|-----|-----------|
| 145 | Simulated ring current response during periods of dawn-dusk oriented interplanetary magnetic field (By). Journal of Geophysical Research: Space Physics, 2013, 118, 2228-2243.                   | 0.8 | 2         |
| 146 | Correction to "Self-Consistent Magnetosphere-Ionosphere Coupling: Theoretical Studies", Journal of Geophysical Research, 2003, 108, .  | 3.3 | 1         |
| 147 | Correction to "Ring current and the magnetosphere-ionosphere coupling during the superstorm of 20 November 2003", Journal of Geophysical Research, 2005, 110, .                                  | 3.3 | 1         |
| 148 | Role of periodic loading/unloading in the magnetotail versus interplanetary magnetic field $B_z$ flipping in the ring current buildup. Journal of Geophysical Research, 2008, 113, .             | 3.3 | 1         |
| 149 | Relative Contribution of ULF Waves and Whistler-mode Chorus to the Radiation Belt Variation during the May 2017 Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028972. | 0.8 | 1         |
| 150 | Plasmasphere modeling with ring current heating. Geophysical Monograph Series, 1995, , 173-175.  | 0.1 | 0         |
| 151 | Ring Current Asymmetry and the Love-Gannon Relation. Geophysical Monograph Series, 0, , 315-320.   | 0.1 | 0         |
| 152 | Special issue "The 12th International Conference on Substorms", Earth, Planets and Space, 2016, 68, .  | 0.9 | 0         |
| 153 | Wave-induced particle precipitation into the ionosphere from the inner magnetosphere. , 2019, , .  |     | 0         |
| 154 | Comparison of CIMI Simulations and TWINS Observations on June 28 and 29, 2013. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028388.   | 0.8 | 0         |
| 155 | Impact of Solar Wind on the Earth Magnetosphere: Recent Progress in the Modeling of Ring Current and Radiation Belts. , 0, , .   |     | 0         |