# Dave G Sibeck

List of Publications by Year
in descending order



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|---|---|---|---|
| 263 papers | 10,839 citations | 44069 48 h-index | 42399 92 g-index |
| 272 all docs | 272 docs citations | 272 times ranked | 3035 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Science Objectives and Rationale for the Radiation Belt Storm Probes Mission. Space Science Reviews, 2013, 179, 3-27. | 8.1 | 841 |
| 2 | Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935. | 12.6 | 551 |
| 3 | Solar wind control of the magnetopause shape, location, and motion. Journal of Geophysical Research, 1991, 96, 5489-5495. | 3.3 | 454 |
| 4 | Some lowâ€altitude cusp dependencies on the interplanetary magnetic field. Journal of Geophysical Research, 1989, 94, 8921-8927. | 3.3 | 324 |
| 5 | A model for the transient magnetospheric response to sudden solar wind dynamic pressure variations. Journal of Geophysical Research, 1990, 95, 3755-3771. | 3.3 | 272 |
| 6 | Magnetopause shape as a bivariate function of interplanetary magnetic field B<sub>z</sub> and solar wind dynamic pressure. Journal of Geophysical Research, 1993, 98, 21421-21450. | 3.3 | 271 |
| 7 | The magnetospheric response to 8â€minute period strongâ€amplitude upstream pressure variations. Journal of Geophysical Research, 1989, 94, 2505-2519. | 3.3 | 244 |
| 8 | The link between shocks, turbulence, and magnetic reconnection in collisionless plasmas. Physics of Plasmas, 2014, 21, . | 1.9 | 217 |
| 9 | Upstream pressure variations associated with the bow shock and their effects on the magnetosphere. Journal of Geophysical Research, 1990, 95, 3773-3786. | 3.3 | 179 |
| 10 | First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476. | 8.1 | 171 |
| 11 | On the 3â€dimensional structure of plasmoids. Geophysical Research Letters, 1987, 14, 636-639. | 4.0 | 170 |
| 12 | Comprehensive study of the magnetospheric response to a hot flow anomaly. Journal of Geophysical Research, 1999, 104, 4577-4593. | 3.3 | 169 |
| 13 | THEMIS Science Objectives and Mission Phases. Space Science Reviews, 2008, 141, 35-59. | 8.1 | 168 |
| 14 | Solar wind dynamic pressure variations and transient magnetospheric signatures. Geophysical Research Letters, 1989, 16, 13-16. | 4.0 | 133 |
| 15 | Magnetic field drift shell splitting: Cause of unusual dayside particle pitch angle distributions during storms and substorms. Journal of Geophysical Research, 1987, 92, 13485-13497. | 3.3 | 127 |
| 16 | On the electron diffusion region in planar, asymmetric, systems. Geophysical Research Letters, 2014, 41, 8673-8680. | 4.0 | 126 |
| 17 | The distant magnetotail's response to a strong interplanetary magnetic field B<sub>y</sub>: Twisting, flattening, and field line bending. Journal of Geophysical Research, 1985, 90, 4011-4019. | 3.3 | 123 |
| 18 | Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. Geophysical Research Letters, 2005, 32, . | 4.0 | 108 |

| # | Article | IF | Citations |
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| 19 | Formation of hot flow anomalies and solitary shocks. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 107 |
| 20 | Foreshock bubbles and their global magnetospheric impacts. Journal of Geophysical Research, 2010, 115, . | 3.3 | 107 |
| 21 | Wind observations of foreshock cavities: A case study. Journal of Geophysical Research, 2002, 107, SMP 4-1. | 3.3 | 103 |
| 22 | First observations of foreshock bubbles upstream of Earth's bow shock: Characteristics and comparisons to HFAs. Journal of Geophysical Research: Space Physics, 2013, 118, 1552-1570. | 2.4 | 102 |
| 23 | Jets Downstream of Collisionless Shocks. Space Science Reviews, 2018, 214, 1. | 8.1 | 101 |
| 24 | Simultaneous Ground- and Space-Based Observations of the Plasmaspheric Plume and Reconnection. Science, 2014, 343, 1122-1125. | 12.6 | 97 |
| 25 | Transient flux enhancements in the magnetosheath. Geophysical Research Letters, 1998, 25, 1273-1276. | 4.0 | 94 |
| 26 | Energetic magnetospheric ions at the dayside magnetopause: Leakage or merging?. Journal of Geophysical Research, 1987, 92, 12097-12114. | 3.3 | 93 |
| 27 | Spontaneous hot flow anomalies at quasiâ€parallel shocks: 1. Observations. Journal of Geophysical Research: Space Physics, 2013, 118, 3357-3363. | 2.4 | 92 |
| 28 | THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and groundâ€based measurements. Geophysical Research Letters, 2008, 35, . | 4.0 | 85 |
| 29 | MHD simulation for the interaction of an interplanetary shock with the Earth's magnetosphere. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 84 |
| 30 | Spontaneous hot flow anomalies at quasiâ€parallel shocks: 2. Hybrid simulations. Journal of Geophysical Research: Space Physics, 2013, 118, 173-180. | 2.4 | 81 |
| 31 | A multisatellite study of a pseudoâ€substorm onset in the nearâ€Earth magnetotail. Journal of Geophysical Research, 1993, 98, 19355-19367. | 3.3 | 78 |
| 32 | Time History of Events and Macroscale Interactions during Substorms observations of a series of hot flow anomaly events. Journal of Geophysical Research, 2010, 115, . | 3.3 | 75 |
| 33 | Magnetopause expansions for quasiâ€radial interplanetary magnetic field: THEMIS and Geotail observations. Journal of Geophysical Research, 2010, 115, . | 3.3 | 71 |
| 34 | THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. Journal of Geophysical Research, 2009, 114, . | 3.3 | 70 |
| 35 | The first in situ observation of Kelvinâ€Helmholtz waves at highâ€latitude magnetopause during strongly dawnward interplanetary magnetic field conditions. Journal of Geophysical Research, 2012, 117, . | 3.3 | 67 |
| 36 | The plasmaspheric plume and magnetopause reconnection. Geophysical Research Letters, 2014, 41, 223-228. | 4.0 | 67 |

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| 37 | The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. Geophysical Research Letters, 2018, 45, 3783-3792. | 4.0 | 66 |
| 38 | A large statistical study of the entry of interplanetary magnetic field Y-component into the magnetosphere. Geophysical Research Letters, 1995, 22, 2083-2086. | 4.0 | 65 |
| 39 | Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. Annales Geophysicae, 2012, 30, 1025-1035. | 1.6 | 59 |
| 40 | Magnetopause reconnection across wide local time. Annales Geophysicae, 2011, 29, 1683-1697. | 1.6 | 57 |
| 41 | Dawnâ€dusk asymmetries in the Earth's magnetosheath. Journal of Geophysical Research, 2012, 117, . | 3.3 | 57 |
| 42 | Foreshock compressional boundary. Journal of Geophysical Research, 2009, 114, . | 3.3 | 56 |
| 43 | Relativistic Electrons Produced by Foreshock Disturbances Observed Upstream of Earthâ€™s Bow Shock. Physical Review Letters, 2016, 117, 215101. | 7.8 | 55 |
| 44 | Major flattening of the distant geomagnetic tail. Journal of Geophysical Research, 1986, 91, 4223-4237. | 3.3 | 53 |
| 45 | Gross deformation of the dayside magnetopause. Geophysical Research Letters, 1998, 25, 453-456. | 4.0 | 53 |
| 46 | Magnetopause motion driven by interplanetary magnetic field variations. Journal of Geophysical Research, 2000, 105, 25155-25169. | 3.3 | 52 |
| 47 | A Study of Intense Local dB/dt Variations During Two Geomagnetic Storms. Space Weather, 2018, 16, 676-693. | 3.7 | 52 |
| 48 | A case study of transient event motion in the magnetosphere and in the ionosphere. Journal of Geophysical Research, 1995, 100, 35. | 3.3 | 50 |
| 49 | Concerning flux erosion from the dayside magnetosphere. Journal of Geophysical Research, 1994, 99, 13425. | 3.3 | 49 |
| 50 | ARTEMIS Science Objectives. Space Science Reviews, 2011, 165, 59-91. | 8.1 | 47 |
| 51 | On the Effect of Geomagnetic Storms on Relativistic Electrons in the Outer Radiation Belt: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,100. | 2.4 | 47 |
| 52 | Imaging Plasma Density Structures in the Soft X-Rays Generated by Solar Wind Charge Exchange with Neutrals. Space Science Reviews, 2018, 214, 1. | 8.1 | 47 |
| 53 | The twoâ€lobe structure of the distant (X â‰¥ 200 R<sub>e</sub>) magnetotail. Geophysical Research Letters, 1984, 11, 1066-1069. | 4.0 | 45 |
| 54 | The magnetosphere as a sufficient source for upstream ions on November 1, 1984. Journal of Geophysical Research, 1988, 93, 14328-14342. | 3.3 | 44 |

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| 55 | First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake. Space Science Reviews, 2011, 165, 93-107. | 8.1 | 44 |
| 56 | Ion distributions in the Earth's foreshock: Hybridâ€Vlasov simulation and THEMIS observations. Journal of Geophysical Research: Space Physics, 2015, 120, 3684-3701. | 2.4 | 44 |
| 57 | Impacts of spontaneous hot flow anomalies on the magnetosheath and magnetopause. Journal of Geophysical Research: Space Physics, 2016, 121, 3155-3169. | 2.4 | 44 |
| 58 | A case and statistical study of transient magnetic field events at geosynchronous orbit and their solar wind origin. Journal of Geophysical Research, 1995, 100, 5643. | 3.3 | 43 |
| 59 | Pressure-pulse interaction with the magnetosphere and ionosphere. Journal of Geophysical Research, 2003, 108, . | 3.3 | 43 |
| 60 | Dynamics of the foreshock compressional boundary and its connection to foreshock cavities. Journal of Geophysical Research: Space Physics, 2013, 118, 823-831. | 2.4 | 43 |
| 61 | A new threeâ€dimensional magnetopause model with a support vector regression machine and a large database of multiple spacecraft observations. Journal of Geophysical Research: Space Physics, 2013, 118, 2173-2184. | 2.4 | 43 |
| 62 | Concerning the location of magnetopause merging as a function of the magnetopause current strength. Journal of Geophysical Research, 1998, 103, 6675-6684. | 3.3 | 42 |
| 63 | Ultraâ€relativistic radiation belt extinction and ULF wave radial diffusion: Modeling the September 2014 extended dropout event. Geophysical Research Letters, 2017, 44, 2624-2633. | 4.0 | 42 |
| 64 | Flux transfer events in the cusp. Geophysical Research Letters, 2007, 34, . | 4.0 | 41 |
| 65 | Extended Magnetic Reconnection across the Dayside Magnetopause. Physical Review Letters, 2011, 107, 025004. | 7.8 | 41 |
| 66 | Magnetospheric Multiscale mission observations of the outer electron diffusion region. Geophysical Research Letters, 2017, 44, 2049-2059. | 4.0 | 41 |
| 67 | The magnetosphere as a source of energetic magnetosheath ions. Geophysical Research Letters, 1987, 14, 1011-1014. | 4.0 | 40 |
| 68 | Magnetospheric plasma flows associated with boundary waves and flux transfer events. Geophysical Research Letters, 1992, 19, 1903-1906. | 4.0 | 40 |
| 69 | Solar wind preconditioning in the flank foreshock: IMP 8 observations. Journal of Geophysical Research, 2001, 106, 21675-21688. | 3.3 | 40 |
| 70 | Electron distribution function formation in regions of diffuse aurora. Journal of Geophysical Research: Space Physics, 2015, 120, 9891-9915. | 2.4 | 40 |
| 71 | Ion Injection Triggered EMIC Waves in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 4921-4938. | 2.4 | 40 |
| 72 | Geosynchronous magnetic field temporal response to solar wind and IMF variations. Journal of Geophysical Research, 2002, 107, SMP 32-1-SMP 32-10. | 3.3 | 39 |

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| 73 | On the edge of the foreshock: model-data comparisons. Annales Geophysicae, 2008, 26, 1539-1544. | 1.6 | 39 |
| 74 | Survival of flux transfer event (FTE) flux ropes far along the tail magnetopause. Journal of Geophysical Research, 2012, 117, . | 3.3 | 39 |
| 75 | Magnetic field properties of the distant magnetotail magnetopause and boundary layer. Journal of Geophysical Research, 1985, 90, 9561-9575. | 3.3 | 38 |
| 76 | Energetic particle loss through the magnetopause: A combined global MHD and testâ€particle study. Journal of Geophysical Research: Space Physics, 2017, 122, 9329-9343. | 2.4 | 38 |
| 77 | Crater FTEs: Simulation results and THEMIS observations. Geophysical Research Letters, 2008, 35, . | 4.0 | 37 |
| 78 | Signatures of flux erosion from the dayside magnetosphere. Journal of Geophysical Research, 1994, 99, 8513. | 3.3 | 36 |
| 79 | Magnetosheath filamentary structures formed by ion acceleration at the quasiâ€parallel bow shock. Journal of Geophysical Research: Space Physics, 2014, 119, 2593-2604. | 2.4 | 36 |
| 80 | Weak kinetic AlfvÃ©n waves turbulence during the 14ÂNovemberÂ2012 geomagnetic storm: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 5504-5523. | 2.4 | 36 |
| 81 | The Role of Localized Compressional Ultraâ€low Frequency Waves in Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 1900-1914. | 2.4 | 36 |
| 82 | Magnetospheric particle injection and the upstream ion event of September 5, 1984. Geophysical Research Letters, 1986, 13, 1376-1379. | 4.0 | 35 |
| 83 | Hot flow anomalies at Venus. Journal of Geophysical Research, 2012, 117, . | 3.3 | 35 |
| 84 | Dayside Transient Phenomena and Their Impact on the Magnetosphere and Ionosphere. Space Science Reviews, 2022, 218, . | 8.1 | 35 |
| 85 | On the dependence of storm time ULF wave power on magnetopause location: Impacts for ULF wave radial diffusion. Geophysical Research Letters, 2015, 42, 9676-9684. | 4.0 | 34 |
| 86 | B<sub>y</sub> fluctuations in the magnetosheath and azimuthal flow velocity transients in the dayside ionosphere. Geophysical Research Letters, 1993, 20, 1719-1722. | 4.0 | 33 |
| 87 | The substructure of a flux transfer event observed by the MMS spacecraft. Geophysical Research Letters, 2016, 43, 9434-9443. | 4.0 | 33 |
| 88 | Size and shape of the distant magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 1028-1043. | 2.4 | 32 |
| 89 | Solar Wind Induced Waves in the Skies of Mars: Ionospheric Compression, Energization, and Escape Resulting From the Impact of Ultralow Frequency Magnetosonic Waves Generated Upstream of the Martian Bow Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 7241-7256. | 2.4 | 32 |
| 90 | Impact of Precipitating Electrons and Magnetosphereâ€Ionosphere Coupling Processes on Ionospheric Conductance. Space Weather, 2018, 16, 829-837. | 3.7 | 32 |

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| 91 | Magnetosheath plasma structures and their relation to foreshock processes. Journal of Geophysical Research: Space Physics, 2015, 120, 7687-7697. | 2.4 | 31 |
| 92 | Observation of chorus waves by the Van Allen Probes: Dependence on solar wind parameters and scale size. Journal of Geophysical Research: Space Physics, 2016, 121, 7608-7621. | 2.4 | 31 |
| 93 | Plasma and energetic particle behaviors during asymmetric magnetic reconnection at the magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 1658-1672. | 2.4 | 30 |
| 94 | Formation and Topology of Foreshock Bubbles. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028058. | 2.4 | 30 |
| 95 | Downstream properties of magnetic flux transfer events. Journal of Geophysical Research, 1984, 89, 10709-10715. | 3.3 | 29 |
| 96 | Reply to â€œComment on â€˜Solar wind dynamic pressure variations and transient magnetospheric signaturesâ€§â€• Geophysical Research Letters, 1989, 16, 1200-1202. | 4.0 | 29 |
| 97 | Upper limits on the contribution of flux transfer events to ionospheric convection. Geophysical Research Letters, 1993, 20, 2829-2832. | 4.0 | 29 |
| 98 | Invited Article: First flight in space of a wide-field-of-view soft x-ray imager using lobster-eye optics: Instrument description and initial flight results. Review of Scientific Instruments, 2015, 86, 071301. | 1.3 | 29 |
| 99 | THE SOLAR WIND CHARGE-EXCHANGE PRODUCTION FACTOR FOR HYDROGEN. Astrophysical Journal, 2015, 808, 143. | 4.5 | 29 |
| 100 | Magnetosheath response to the interplanetary magnetic field tangential discontinuity. Journal of Geophysical Research, 2000, 105, 25113-25121. | 3.3 | 28 |
| 101 | Transient and Quasi-Periodic (5-15 Min) Events in the Outer Magnetosphere. Geophysical Monograph Series, 2013, , 173-182. | 0.1 | 27 |
| 102 | Parametric dependencies of spontaneous hot flow anomalies. Journal of Geophysical Research: Space Physics, 2014, 119, 9823-9833. | 2.4 | 27 |
| 103 | Do we know the actual magnetopause position for typical solar wind conditions?. Journal of Geophysical Research: Space Physics, 2016, 121, 6493-6508. | 2.4 | 27 |
| 104 | THEMIS satellite observations of hot flow anomalies at Earth's bow shock. Annales Geophysicae, 2017, 35, 443-451. | 1.6 | 27 |
| 105 | Propagation of a sudden impulse through the magnetosphere initiating magnetospheric Pc5 pulsations. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 26 |
| 106 | Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. Geophysical Research Letters, 2016, 43, 978-987. | 4.0 | 26 |
| 107 | Traveling Foreshocks and Transient Foreshock Phenomena. Journal of Geophysical Research: Space Physics, 2017, 122, 9148-9168. | 2.4 | 26 |
| 108 | Magnetosheath jet properties and evolution as determined by a global hybrid-Vlasov simulation. Annales Geophysicae, 2018, 36, 1171-1182. | 1.6 | 26 |

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| 109 | Magnetic Reconnection Inside a Flux Rope Induced by Kelvinâ€Helmholtz Vortices. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027665. | 2.4 | 26 |
| 110 | Quiet time variability of the geosynchronous magnetic field and its response to the solar wind. Journal of Geophysical Research, 2002, 107, SMP 16-1-SMP 16-10. | 3.3 | 25 |
| 111 | Kinetic aspects of foreshock cavities. Geophysical Research Letters, 2006, 33, . | 4.0 | 25 |
| 112 | Thin magnetosheath as a consequence of the magnetopause deformation: THEMIS observations. Journal of Geophysical Research, 2010, 115, . | 3.3 | 25 |
| 113 | Properties of Magnetic Reconnection and FTEs on the Dayside Magnetopause With and Without Positive IMF B<sub>x</sub> Component During Southward IMF. Journal of Geophysical Research: Space Physics, 2019, 124, 4037-4048. | 2.4 | 25 |
| 114 | Evidence for flux ropes in the earth's magnetotail. Geophysical Monograph Series, 1990, , 637-646. | 0.1 | 24 |
| 115 | The statistics of foreshock cavities: results of a Cluster survey. Annales Geophysicae, 2008, 26, 3653-3667. | 1.6 | 24 |
| 116 | Largeâ€scale flow vortices following a magnetospheric sudden impulse. Journal of Geophysical Research: Space Physics, 2013, 118, 3055-3064. | 2.4 | 24 |
| 117 | On lunar exospheric column densities and solar wind access beyond the terminator from ROSAT soft X-ray observations of solar wind charge exchange. Journal of Geophysical Research E: Planets, 2014, 119, 1459-1478. | 3.6 | 24 |
| 118 | Simultaneous energetic particle observations at geostationary orbit and in the upstream solar wind: Evidence for leakage during the magnetospheric compression event of November 1, 1984. Journal of Geophysical Research, 1988, 93, 14317-14327. | 3.3 | 23 |
| 119 | Asymmetric magnetospheric compressions and expansions in response to impact of inclined interplanetary shock. Geophysical Research Letters, 2015, 42, 4716-4722. | 4.0 | 23 |
| 120 | Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). Geophysical Research Letters, 2016, 43, 5960-5968. | 4.0 | 23 |
| 121 | Smallâ€Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. Journal of Geophysical Research: Space Physics, 2018, 123, 8473-8488. | 2.4 | 23 |
| 122 | Determining the Mode, Frequency, and Azimuthal Wave Number of ULF Waves During a HSS and Moderate Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 6457-6477. | 2.4 | 23 |
| 123 | Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. Geophysical Research Letters, 2019, 46, 6287-6296. | 4.0 | 23 |
| 124 | A case study of oppositely propagating AlfvÃ©nic fluctuations in the solar wind and magnetosheath. Geophysical Research Letters, 1997, 24, 3133-3136. | 4.0 | 22 |
| 125 | Radiation belt storm probes: Resolving fundamental physics with practical consequences. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1417-1424. | 1.6 | 22 |
| 126 | Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. Journal of Geophysical Research: Space Physics, 2014, 119, 853-876. | 2.4 | 22 |

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| 127 | Energetic electrons and ions in the magnetosheath at low and medium latitudes: Prognoz 10 data. Journal of Geophysical Research, 1992, 97, 14849-14857. | 3.3 | 21 |
| 128 | A survey of hot flow anomalies at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 978-991. | 2.4 | 21 |
| 129 | Wide fieldâ€ofâ€view soft Xâ€ray imaging for solar windâ€magnetosphere interactions. Journal of Geophysical Research: Space Physics, 2016, 121, 3353-3361. | 2.4 | 21 |
| 130 | Accurately characterizing the importance of waveâ€particle interactions in radiation belt dynamics: The pitfalls of statistical wave representations. Journal of Geophysical Research: Space Physics, 2016, 121, 7895-7899. | 2.4 | 21 |
| 131 | Magnetospheric Multiscale Observations of Turbulence in the Magnetosheath on Kinetic Scales. Astrophysical Journal Letters, 2018, 864, L29. | 8.3 | 21 |
| 132 | THEMIS observations of compressional pulsations in the dawn-side magnetosphere: a case study. Annales Geophysicae, 2009, 27, 3725-3735. | 1.6 | 21 |
| 133 | Possible leakage of energetic particles from the magnetosphere into the upstream region on June 7, 1985. Journal of Geophysical Research, 1990, 95, 20825-20832. | 3.3 | 19 |
| 134 | The Evolution of a Pitchâ€Angle â€œBiteâ€Outâ€•Scattering Signature Caused by EMIC Wave Activity: A Case Study. Journal of Geophysical Research: Space Physics, 2019, 124, 5042-5055. | 2.4 | 19 |
| 135 | Simultaneous observations of magnetopause flux transfer events and of their associated signatures at ionospheric altitudes. Annales Geophysicae, 2004, 22, 2181-2199. | 1.6 | 19 |
| 136 | Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 2015-2035. | 2.4 | 18 |
| 137 | Is diffuse aurora driven from above or below?. Geophysical Research Letters, 2017, 44, 641-647. | 4.0 | 18 |
| 138 | Major pathways to electron distribution function formation in regions of diffuse aurora. Journal of Geophysical Research: Space Physics, 2017, 122, 4251-4265. | 2.4 | 18 |
| 139 | Highâ€Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. Geophysical Research Letters, 2019, 46, 7873-7882. | 4.0 | 18 |
| 140 | High-latitude ionospheric transient events in a global context. Journal of Geophysical Research, 1997, 102, 17499-17508. | 3.3 | 17 |
| 141 | on the source region of traveling convection vortices. Geophysical Research Letters, 1997, 24, 237-240. | 4.0 | 17 |
| 142 | A statistical study of the magnetosphere boundary crossings by the Geotail satellite. Geophysical Research Letters, 2000, 27, 2881-2884. | 4.0 | 17 |
| 143 | Short largeâ€amplitude magnetic structures (SLAMS) at Venus. Journal of Geophysical Research, 2012, 117, . | 3.3 | 17 |
| 144 | Relation between cusp ion structures and dayside reconnection for four IMF clock angles: OpenGGCMâ€TPT results. Journal of Geophysical Research: Space Physics, 2015, 120, 4890-4906. | 2.4 | 17 |

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| 145 | Structure and Properties of the Foreshock at Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 10,275. | 2.4 | 17 |
| 146 | CIMI simulations with newly developed multiparameter chorus and plasmaspheric hiss wave models. Journal of Geophysical Research: Space Physics, 2017, 122, 9344-9357. | 2.4 | 17 |
| 147 | Twisting of the Geomagnetic Tail. Astrophysics and Space Science Library, 1986, , 731-738. | 2.7 | 17 |
| 148 | Magnetosheath cavities: case studies using Cluster observations. Annales Geophysicae, 2009, 27, 3765-3780. | 1.6 | 17 |
| 149 | The Magnetosphereâ€Ionosphere Electron Precipitation Dynamics and Their Geospace Consequences During the 17 March 2013 Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 6504-6523. | 2.4 | 16 |
| 150 | The effect of magnetosheath plasma flow on flux transfer events produced by the onset of merging at a single X line. Journal of Geophysical Research, 1998, 103, 6693-6702. | 3.3 | 15 |
| 151 | The Magnetospheric Response to Foreshock Pressure Pulses. Geophysical Monograph Series, 2013, , 293-302. | 0.1 | 15 |
| 152 | Van Allen Probe observations of drift-bounce resonances with Pc 4 pulsations and waveâ€“particle interactions in the pre-midnight inner magnetosphere. Annales Geophysicae, 2015, 33, 955-964. | 1.6 | 15 |
| 153 | Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 1â€“2 May 2014. Annales Geophysicae, 2016, 34, 985-998. | 1.6 | 15 |
| 154 | Spontaneous hot flow anomalies at Mars and Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 9910-9923. | 2.4 | 15 |
| 155 | Energetic proton and electron dispersion signatures in the nightside magnetosheath supporting their leakage out of the magnetopause. Journal of Geophysical Research, 2000, 105, 15729-15739. | 3.3 | 14 |
| 156 | Radial dependence of foreshock cavities: a case study. Annales Geophysicae, 2004, 22, 4143-4151. | 1.6 | 14 |
| 157 | Reconstruction of a flux transfer event based on observations from five THEMIS satellites. Journal of Geophysical Research, 2008, 113, . | 3.3 | 14 |
| 158 | Dayside magnetopause transients correlated with changes of the magnetosheath magnetic field orientation. Annales Geophysicae, 2011, 29, 687-699. | 1.6 | 14 |
| 159 | Frequency doubling and fieldâ€aligned ion streaming in a longâ€period poloidal pulsation. Journal of Geophysical Research, 2012, 117, . | 3.3 | 14 |
| 160 | THEMIS observations of compressional poloidal pulsations in the dawnside magnetosphere: A case study. Journal of Geophysical Research: Space Physics, 2013, 118, 7665-7673. | 2.4 | 14 |
| 161 | The impact of a slow interplanetary coronal mass ejection on Venus. Journal of Geophysical Research: Space Physics, 2015, 120, 3489-3502. | 2.4 | 14 |
| 162 | Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. Journal of Geophysical Research: Space Physics, 2017, 122, 9440-9463. | 2.4 | 14 |

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| 163 | Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a Highâ€Speed Solar Wind Stream Observed in September 2014. Journal of Geophysical Research: Space Physics, 2019, 124, 1660-1678. | 2.4 | 14 |
| 164 | Is the Relation Between the Solar Wind Dynamic Pressure and the Magnetopause Standoff Distance so Straightforward?. Geophysical Research Letters, 2020, 47, e2019GL086474. | 4.0 | 14 |
| 165 | Foreshock Bubbles at Venus: Hybrid Simulations and VEX Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027056. | 2.4 | 14 |
| 166 | The structure of hot flow anomalies in the magnetosheath. Advances in Space Research, 2002, 30, 2737-2744. | 2.6 | 13 |
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