

# Ya-Song Ge

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

790  
citations

471371

17  
h-index

526166

27  
g-index

50  
all docs

50  
docs citations

50  
times ranked

950  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Interaction of dipolarization fronts within multiple bursty bulk flows in global MHD simulations of a substorm on 27 February 2009. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 83        |
| 2  | Dipolarization fronts as earthward propagating flux ropes: A three-dimensional global hybrid simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6286-6300.    | 0.8 | 70        |
| 3  | THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 284-298.        | 0.8 | 59        |
| 4  | Case studies of mirror-mode structures observed by THEMIS in the near-Earth tail during substorms. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.                           | 3.3 | 56        |
| 5  | Dipolarization fronts and associated auroral activities: 2. Acceleration of ions and their subsequent behavior. <i>Journal of Geophysical Research</i> , 2012, 117, .                     | 3.3 | 48        |
| 6  | Emergence of the active magnetotail plasma sheet boundary from transient, localized ion acceleration. <i>Journal of Geophysical Research</i> , 2012, 117, .                               | 3.3 | 43        |
| 7  | Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .    | 3.3 | 25        |
| 8  | Two-dimensional ionospheric flow pattern associated with auroral streamers. <i>Journal of Geophysical Research</i> , 2012, 117, .   | 3.3 | 24        |
| 9  | Global simulation of proton precipitation due to field line curvature during substorms. <i>Journal of Geophysical Research</i> , 2012, 117, .   | 3.3 | 23        |
| 10 | A statistical analysis of the association between fast plasma flows and Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2012, 117, .   | 3.3 | 22        |
| 11 | A statistical study on the shape and position of the magnetotail neutral sheet. <i>Annales Geophysicae</i> , 2016, 34, 303-311.   | 0.6 | 22        |
| 12 | A statistical analysis of Pi2-band waves in the plasma sheet and their relation to magnetospheric drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6167-6175.  | 0.8 | 21        |
| 13 | Resonant Scattering of Near-Equatorially Mirroring Electrons by Landau Resonance With H <sup>+</sup> Band EMIC Waves. <i>Geophysical Research Letters</i> , 2018, 45, 10,866.             | 1.5 | 20        |
| 14 | The Chinese Mars ROVER Fluxgate Magnetometers. <i>Space Science Reviews</i> , 2020, 216, 1.   | 3.7 | 20        |
| 15 | Interactions between magnetosonic waves and ring current protons: Gyroaveraged test particle simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8537-8553.   | 0.8 | 19        |
| 16 | MAVEN Observations of Periodic Low-altitude Plasma Clouds at Mars. <i>Astrophysical Journal Letters</i> , 2021, 922, L33.   | 3.0 | 19        |
| 17 | Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5344-5354.                            | 0.8 | 18        |
| 18 | IMF dependence of energetic oxygen and hydrogen ion distributions in the near-Earth magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5168-5180.          | 0.8 | 14        |

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|----|---|-----|-----------|
| 19 | Magnetic Energy Conversion and Transport in the Terrestrial Magnetotail Due to Dipolarization Fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028568.                         | 0.8 | 14        |
| 20 | In Situ Observations of the Formation of Periodic Collisionless Plasma Shocks from Fast Mode Waves. <i>Astrophysical Journal Letters</i> , 2020, 888, L17.  | 3.0 | 14        |
| 21 | Characteristics of quasi-monochromatic ULF waves in the Venusian foreshock. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7385-7397.   | 0.8 | 13        |
| 22 | Hall and finite Larmor radius effects on the dipolarization fronts associated with interchange instability. <i>Geophysical Research Letters</i> , 2015, 42, 10,099.   | 1.5 | 12        |
| 23 | Interactions between H <sup>+</sup> band EMIC waves and radiation belt relativistic electrons: Comparisons of test particle simulations with quasi-linear calculations. <i>Physics of Plasmas</i> , 2019, 26, . | 0.7 | 12        |
| 24 | An Unexpected Whistler Wave Generation Around Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028957.   | 0.8 | 12        |
| 25 | Spatial distribution of magnetic fluctuation power with period 40 to 600 $\mu$ s in the magnetosphere observed by THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9281-9293.         | 0.8 | 11        |
| 26 | Enhancing the sensitivity of a single electron spin sensor by multi-frequency control. <i>Applied Physics Letters</i> , 2018, 113, 072401.  | 1.5 | 9         |
| 27 | Acceleration of Ring Current Protons Driven by Magnetosonic Waves: Comparisons of Test Particle Simulations with Quasilinear Calculations. <i>Astrophysical Journal</i> , 2021, 908, 203.                       | 1.6 | 9         |
| 28 | Observational Evidence for Fast Mode Periodic Small-scale Shocks: A New Type of Plasma Phenomenon. <i>Astrophysical Journal Letters</i> , 2020, 905, L4.  | 3.0 | 9         |
| 29 | Modeling the Earth's magnetosphere under the influence of solar wind with due northward IMF by the AMR-CESE-MHD model. <i>Science China Earth Sciences</i> , 2015, 58, 1235-1242.                               | 2.3 | 8         |
| 30 | Modeling the interaction between the solar wind and Saturn's magnetosphere by the AMR-CESE-MHD method. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9919-9930.                            | 0.8 | 7         |
| 31 | Ion acceleration at dipolarization fronts associated with the interchange instability in Earth's magnetotail. <i>Science China Technological Sciences</i> , 2020, 63, 2375-2383.                                | 2.0 | 7         |
| 32 | Statistics of the longitudinal splitting of proton aurora during substorms. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.  | 3.3 | 6         |
| 33 | Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1015-1022.   | 0.6 | 6         |
| 34 | The Quasi-monochromatic ULF Wave Boundary in the Venusian Foreshock: Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 374-384.                                    | 0.8 | 5         |
| 35 | Magnetotail Configuration Under Northward IMF Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028634.   | 0.8 | 5         |
| 36 | Natural Orthogonal Component Analysis of Daily Magnetic Variations at the Martian Surface: InSight Observations. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .                               | 1.5 | 5         |

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|----|---|-----|-----------|
| 37 | Heavy Ion Escape From Martian Wake Enhanced by Magnetic Reconnection. Journal of Geophysical Research E: Planets, 2022, 127, .  | 1.5 | 4         |
| 38 | Coupling between the Magnetospheric Dipolarization Front and the Earth's Ionosphere by Ultralow-frequency Waves. Astrophysical Journal Letters, 2020, 895, L13.                     | 3.0 | 3         |
| 39 | The distribution of oscillation frequency of magnetic field and plasma parameters in BBFs: THEMIS statistics. Journal of Geophysical Research: Space Physics, 2017, 122, 4325-4334. | 0.8 | 2         |
| 40 | Numerical simulation on the multiple dipolarization fronts in the magnetotail. Physics of Plasmas, 2017, 24, .  | 0.7 | 2         |
| 41 | Coupling of semiannual and annual variations in the SuperMAG SML and SMU indices. Planetary and Space Science, 2018, 158, 87-95.  | 0.9 | 2         |
| 42 | Hall Nature Ahead of Dipolarization Fronts in the Earth's Magnetotail: A Statistical Study for MMS Data. Geophysical Research Letters, 2022, 49, .                                  | 1.5 | 2         |
| 43 | Statistical Study on the North-South Asymmetric Distribution of the Mid-Latitude Nightside Disturbed Magnetic Fields. Journal of Geophysical Research: Space Physics, 2022, 127, .  | 0.8 | 2         |
| 44 | Energy-dependent Boundaries of Earth's Radiation Belt Electron Slot Region. Astrophysical Journal, 2021, 922, 246.  | 1.6 | 2         |
| 45 | Detecting Axial Ratio of Microwave Field with High Resolution Using NV Centers in Diamond. Sensors, 2019, 19, 2347.   | 2.1 | 1         |