

# Ya-Song Ge

## List of Publications by Year in descending order

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45  
papers

790  
citations

471371

17  
h-index

526166

27  
g-index

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all docs

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docs citations

50  
times ranked

950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hall Nature Ahead of Dipolarization Fronts in the Earth's Magnetotail: A Statistical Study for MMS Data. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
2	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
3	Statistical Study on the North-South Asymmetric Distribution of the Mid-Latitude Nightside Disturbed Magnetic Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
4	Heavy Ion Escape From Martian Wake Enhanced by Magnetic Reconnection. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	4
5	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
6	Magnetotail Configuration Under Northward IMF Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028634.	0.8	5
7	An Unexpected Whistler Wave Generation Around Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028957.	0.8	12
8	MAVEN Observations of Periodic Low-altitude Plasma Clouds at Mars. <i>Astrophysical Journal Letters</i> , 2021, 922, L33.	3.0	19
9	Energy-dependent Boundaries of Earth's Radiation Belt Electron Slot Region. <i>Astrophysical Journal</i> , 2021, 922, 246.	1.6	2
10	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
11	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
12	The Chinese Mars ROVER Fluxgate Magnetometers. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	20
13	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
14	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
15	Coupling between the Magnetospheric Dipolarization Front and the Earth's Ionosphere by Ultralow-frequency Waves. <i>Astrophysical Journal Letters</i> , 2020, 895, L13.	3.0	3
16	Detecting Axial Ratio of Microwave Field with High Resolution Using NV Centers in Diamond. <i>Sensors</i> , 2019, 19, 2347.	2.1	1
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Resonant Scattering of Near-Equatorially Mirroring Electrons by Landau Resonance With $H^+$ Band EMIC Waves. <i>Geophysical Research Letters</i> , 2018, 45, 10,866.	1.5	20
20	Enhancing the sensitivity of a single electron spin sensor by multi-frequency control. <i>Applied Physics Letters</i> , 2018, 113, 072401.	1.5	9
21	Coupling of semiannual and annual variations in the SuperMAG SML and SMU indices. <i>Planetary and Space Science</i> , 2018, 158, 87-95.	0.9	2
22	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
23	The distribution of oscillation frequency of magnetic field and plasma parameters in BBFs: THEMIS statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4325-4334.	0.8	2
24	Numerical simulation on the multiple dipolarization fronts in the magnetotail. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	2
25	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1015-1022.	0.6	6
26	A statistical study on the shape and position of the magnetotail neutral sheet. <i>Annales Geophysicae</i> , 2016, 34, 303-311.	0.6	22
27	Characteristics of quasi-monochromatic ULF waves in the Venesian foreshock. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7385-7397.	0.8	13
28	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
29	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
30	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
31	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
32	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
33	A statistical analysis of Pi $\alpha$ -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
34	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
35	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
36	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

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37	Global simulation of proton precipitation due to field line curvature during substorms. Journal of Geophysical Research, 2012, 117, .	3.3	23
38	Emergence of the active magnetotail plasma sheet boundary from transient, localized ion acceleration. Journal of Geophysical Research, 2012, 117, .	3.3	43
39	A statistical analysis of the association between fast plasma flows and Pi2 pulsations. Journal of Geophysical Research, 2012, 117, .	3.3	22
40	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. Journal of Geophysical Research, 2012, 117, .	3.3	25
41	Dipolarization fronts and associated auroral activities: 2. Acceleration of ions and their subsequent behavior. Journal of Geophysical Research, 2012, 117, .	3.3	48
42	Two-dimensional ionospheric flow pattern associated with auroral streamers. Journal of Geophysical Research, 2012, 117, .	3.3	24
43	Case studies of mirror-mode structures observed by THEMIS in the near-Earth tail during substorms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
44	Interaction of dipolarization fronts within multiple bursty bulk flows in global MHD simulations of a substorm on 27 February 2009. Journal of Geophysical Research, 2011, 116, .	3.3	83
45	Statistics of the longitudinal splitting of proton aurora during substorms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6