

# Ya-Song Ge

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4476406/publications.pdf>

Version: 2024-02-01

45  
papers

790  
citations

471509

17  
h-index

526287

27  
g-index

50  
all docs

50  
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, .	4.0	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, .	3.6	5
3	Statistical Study on the North-South Asymmetric Distribution of the Mid-Low-Latitude Nightside Disturbed Magnetic Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
4	Heavy Ion Escape From Martian Wake Enhanced by Magnetic Reconnection. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	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.	4.5	9
6	Magnetotail Configuration Under Northward IMF Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028634.	2.4	5
7	An Unexpected Whistler Wave Generation Around Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028957.	2.4	12
8	MAVEN Observations of Periodic Low-altitude Plasma Clouds at Mars. <i>Astrophysical Journal Letters</i> , 2021, 922, L33.	8.3	19
9	Energy-dependent Boundaries of Earth's Radiation Belt Electron Slot Region. <i>Astrophysical Journal</i> , 2021, 922, 246.	4.5	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.	2.4	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.	4.0	7
12	The Chinese Mars ROVER Fluxgate Magnetometers. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	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.	8.3	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.	8.3	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.	8.3	3
16	Detecting Axial Ratio of Microwave Field with High Resolution Using NV Centers in Diamond. <i>Sensors</i> , 2019, 19, 2347.	3.8	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, .	1.9	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.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Resonant Scattering of Near-Equatorially Mirroring Electrons by Landau Resonance With $H^{\text{sup}}_{\text{<sup>+</sup>}$ Band EMIC Waves. Geophysical Research Letters, 2018, 45, 10,866.	4.0	20
20	Enhancing the sensitivity of a single electron spin sensor by multi-frequency control. Applied Physics Letters, 2018, 113, 072401.	3.3	9
21	Coupling of semiannual and annual variations in the SuperMAG SML and SMU indices. Planetary and Space Science, 2018, 158, 87-95.	1.7	2
22	IMF dependence of energetic oxygen and hydrogen ion distributions in the near-Earth magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5168-5180.	2.4	14
23	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.	2.4	2
24	Numerical simulation on the multiple dipolarization fronts in the magnetotail. Physics of Plasmas, 2017, 24, .	1.9	2
25	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. Annales Geophysicae, 2017, 35, 1015-1022.	1.6	6
26	A statistical study on the shape and position of the magnetotail neutral sheet. Annales Geophysicae, 2016, 34, 303-311.	1.6	22
27	Characteristics of quasi-monochromatic ULF waves in the Venusian foreshock. Journal of Geophysical Research: Space Physics, 2016, 121, 7385-7397.	2.4	13
28	Interactions between magnetosonic waves and ring current protons: Gyroaveraged test particle simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 8537-8553.	2.4	19
29	Dipolarization fronts as earthward propagating flux ropes: A three-dimensional global hybrid simulation. Journal of Geophysical Research: Space Physics, 2015, 120, 6286-6300.	2.4	70
30	Hall and finite Larmor radius effects on the dipolarization fronts associated with interchange instability. Geophysical Research Letters, 2015, 42, 10,099.	4.0	12
31	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 5344-5354.	2.4	18
32	Spatial distribution of magnetic fluctuation power with period 40 to 600 s in the magnetosphere observed by THEMIS. Journal of Geophysical Research: Space Physics, 2015, 120, 9281-9293.	2.4	11
33	A statistical analysis of Pi2-band waves in the plasma sheet and their relation to magnetospheric drivers. Journal of Geophysical Research: Space Physics, 2015, 120, 6167-6175.	2.4	21
34	Modeling the Earth's magnetosphere under the influence of solar wind with due northward IMF by the AMR-CESE-MHD model. Science China Earth Sciences, 2015, 58, 1235-1242.	5.2	8
35	Modeling the interaction between the solar wind and Saturn's magnetosphere by the AMR-CESE-MHD method. Journal of Geophysical Research: Space Physics, 2014, 119, 9919-9930.	2.4	7
36	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. Journal of Geophysical Research: Space Physics, 2013, 118, 284-298.	2.4	59

#	ARTICLE	IF	CITATIONS
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