Masaki N Nishino

List of Publications by Year
in descending order

51	1,207	430874 18	377865 34
papers	citations	h-index	g-index

53	53	53	840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An event study on broadband electric field noises and electron distributions in the lunar wake boundary. Earth, Planets and Space, 2022, 74, .	2.5	0
2	Transport Path of Coldâ€Dense Plasmas in the Dusk Magnetotail Plasma Sheet: MMS Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
3	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. Space Science Reviews, 2022, 218, 1.	8.1	19
4	Three case reports on the cometary plasma tail in the historical documents. Journal of Space Weather and Space Climate, 2021, 11, 21.	3.3	1
5	Volatiles and Refractories in Surface-Bounded Exospheres in the Inner Solar System. Space Science Reviews, 2021, 217, 61.	8.1	12
6	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). Space Science Reviews, 2021, 217, 1.	8.1	32
7	Global Maps of Solar Wind Electron Modification by Electrostatic Waves Above the Lunar Day Side: Kaguya Observations. Geophysical Research Letters, 2021, 48, e2021GL095260.	4.0	1
8	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. Astrophysical Journal Letters, 2021, 922, L41.	8.3	8
9	In situ observations of ions and magnetic field around Phobos: the mass spectrum analyzer (MSA) for the Martian Moons eXploration (MMX) mission. Earth, Planets and Space, 2021, 73, .	2.5	14
10	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	2.5	1
11	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. Science Advances, 2020, 6, eaba1050.	10.3	10
12	Electromagnetic Ion Cyclotron Waves Detected by Kaguya and Geotail in the Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2018, 123, 1146-1164.	2.4	2
13	Biogenic oxygen from Earth transported to the Moon by a wind of magnetospheric ions. Nature Astronomy, 2017, 1, .	10.1	40
14	Electron dynamics in the minimagnetosphere above a lunar magnetic anomaly. Journal of Geophysical Research: Space Physics, 2017, 122, 1555-1571.	2.4	6
15	Kaguya observations of the lunar wake in the terrestrial foreshock: Surface potential change by bow-shock reflected ions. Icarus, 2017, 293, 45-51.	2.5	19
16	The first long-term all-sky imager observation of lunar sodium tail. Icarus, 2016, 280, 199-204.	2.5	4
17	Scattering characteristics and imaging of energetic neutral atoms from the Moon in the terrestrial magnetosheath. Journal of Geophysical Research: Space Physics, 2016, 121, 432-445.	2.4	12
18	Electrostatic environment near lunar vertical hole: 3D plasma particle simulations. Icarus, 2015, 260, 301-307.	2.5	6

#	Article	IF	Citations
19	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	2.5	8
20	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	1.7	6
21	Anisotropic solar wind sputtering of the lunar surface induced by crustal magnetic anomalies. Geophysical Research Letters, 2014, 41, 4865-4872.	4.0	23
22	Night side lunar surface potential in the Earthâ€™s magnetosphere. Advances in Space Research, 2014, 54, 1985-1992.	2.6	10
23	Structure of the ionized lunar sodium and potassium exosphere: Dawnâ€dusk asymmetry. Journal of Geophysical Research E: Planets, 2014, 119, 798-809.	3.6	16
24	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. Planetary and Space Science, 2013, 87, 106-114.	1.7	23
25	Smallâ€scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	4.0	7
26	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. Earth, Planets and Space, 2012, 64, 83-92.	2.5	87
27	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	1.7	7
28	Statistical study of broadband whistlerâ€mode waves detected by Kaguya near the Moon. Geophysical Research Letters, 2012, 39, .	4.0	22
29	Nongyrotropic electron velocity distribution functions near the lunar surface. Journal of Geophysical Research, 2012, 117, .	3.3	9
30	A case study of Kelvinâ€“Helmholtz vortices on both flanks of the Earth's magnetotail. Planetary and Space Science, 2011, 59, 502-509.	1.7	21
31	Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by Changâ€™E-1 and SELENE. Planetary and Space Science, 2011, 59, 378-386.	1.7	10
32	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) onÂSELENE (Kaguya). Space Science Reviews, 2010, 154, 265-303.	8.1	123
33	Effect of the solar wind proton entry into the deepest lunar wake. Geophysical Research Letters, 2010, 37, .	4.0	34
34	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	4.0	41
35	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. Geophysical Research Letters, 2010, 37, .	4.0	13
36	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1

#	Article	IF	Citations
37	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	1.6	8
38	First direct detection of ions originating from the Moon by MAPâ€PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	79
39	Pairwise energy gainâ€loss feature of solar wind protons in the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	51
40	Solarâ€wind proton access deep into the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	79
41	First in situ observation of the Moonâ€originating ions in the Earth's Magnetosphere by MAPâ€PACE on SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	62
42	Observations of loss coneâ€“shaped back streaming energetic protons upstream of the Earth's bow shock. Journal of Geophysical Research, 2009, 114, .	3.3	0
43	Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAPâ€PACE onboard SELENE (KAGUYA). Geophysical Research Letters, 2008, 35, .	4.0	178
44	Anomalous Flow Deflection at Earthâ€™s Low-AlfvÃ©n-Mach-Number Bow Shock. Physical Review Letters, 2008, 101, 065003.	7.8	14
45	Escape of high-energy oxygen ions through magnetopause reconnection under northward IMF. Annales Geophysicae, 2008, 26, 3955-3966.	1.6	12
46	Temperature anisotropies of electrons and two-component protons in the dusk plasma sheet. Annales Geophysicae, 2007, 25, 1417-1432.	1.6	11
47	Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet. Annales Geophysicae, 2007, 25, 769-777.	1.6	21
48	Geotail observations of two-component protons in the midnight plasma sheet. Annales Geophysicae, 2007, 25, 2229-2245.	1.6	15
49	Corrigendum to "Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet" published in Ann. Geophys., 25, 769â€“777, 2007. Annales Geophysicae, 2007, 25, 1233-1233.	1.6	0
50	Origin of temperature anisotropies in the cold plasma sheet: Geotail observations around the Kelvin-Helmholtz vortices. Annales Geophysicae, 2007, 25, 2069-2086.	1.6	25
51	Observational signatures of plasma transport across the low-latitude boundary layer. Geophysical Monograph Series, 2003, , 265-272.	0.1	1