

# Masaki N Nishino

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,207  
citations

430442

18  
h-index

377514

34  
g-index

53  
all docs

53  
docs citations

53  
times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	An event study on broadband electric field noises and electron distributions in the lunar wake boundary. <i>Earth, Planets and Space</i> , 2022, 74, .	0.9	0
2	Transport Path of Coldâ€Dense Plasmas in the Dusk Magnetotail Plasma Sheet: MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
3	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. <i>Space Science Reviews</i> , 2022, 218, 1.	3.7	19
4	Three case reports on the cometary plasma tail in the historical documents. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 21.	1.1	1
5	Volatiles and Refractories in Surface-Bounded Exospheres in the Inner Solar System. <i>Space Science Reviews</i> , 2021, 217, 61.	3.7	12
6	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	32
7	Global Maps of Solar Wind Electron Modification by Electrostatic Waves Above the Lunar Day Side: Kaguya Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095260.	1.5	1
8	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2021, 922, L41.	3.0	8
9	In situ observations of ions and magnetic field around Phobos: the mass spectrum analyzer (MSA) for the Martian Moons eXploration (MMX) mission. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	14
10	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. <i>Icarus</i> , 2020, 335, 113392.	1.1	1
11	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. <i>Science Advances</i> , 2020, 6, eaba1050.	4.7	10
12	Electromagnetic Ion Cyclotron Waves Detected by Kaguya and Geotail in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1146-1164.	0.8	2
13	Biogenic oxygen from Earth transported to the Moon by a wind of magnetospheric ions. <i>Nature Astronomy</i> , 2017, 1, .	4.2	40
14	Electron dynamics in the minimagnetosphere above a lunar magnetic anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1555-1571.	0.8	6
15	Kaguya observations of the lunar wake in the terrestrial foreshock: Surface potential change by bow-shock reflected ions. <i>Icarus</i> , 2017, 293, 45-51.	1.1	19
16	The first long-term all-sky imager observation of lunar sodium tail. <i>Icarus</i> , 2016, 280, 199-204.	1.1	4
17	Scattering characteristics and imaging of energetic neutral atoms from the Moon in the terrestrial magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 432-445.	0.8	12
18	Electrostatic environment near lunar vertical hole: 3D plasma particle simulations. <i>Icarus</i> , 2015, 260, 301-307.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Electrons on closed field lines of lunar crustal fields in the solar wind wake. <i>Icarus</i> , 2015, 250, 238-248.	1.1	8
20	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. <i>Planetary and Space Science</i> , 2014, 93-94, 87-95.	0.9	6
21	Anisotropic solar wind sputtering of the lunar surface induced by crustal magnetic anomalies. <i>Geophysical Research Letters</i> , 2014, 41, 4865-4872.	1.5	23
22	Night side lunar surface potential in the Earth's magnetosphere. <i>Advances in Space Research</i> , 2014, 54, 1985-1992.	1.2	10
23	Structure of the ionized lunar sodium and potassium exosphere: Dawn's dusk asymmetry. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 798-809.	1.5	16
24	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. <i>Planetary and Space Science</i> , 2013, 87, 106-114.	0.9	23
25	Small-scale magnetic fields on the lunar surface inferred from plasma sheet electrons. <i>Geophysical Research Letters</i> , 2013, 40, 3362-3366.	1.5	7
26	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. <i>Earth, Planets and Space</i> , 2012, 64, 83-92.	0.9	87
27	Control of lunar external magnetic enhancements by IMF polarity: A case study. <i>Planetary and Space Science</i> , 2012, 73, 161-167.	0.9	7
28	Statistical study of broadband whistler-mode waves detected by Kaguya near the Moon. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	22
29	Nongyrotropic electron velocity distribution functions near the lunar surface. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
30	A case study of Kelvin-Helmholtz vortices on both flanks of the Earth's magnetotail. <i>Planetary and Space Science</i> , 2011, 59, 502-509.	0.9	21
31	Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by Chang'e-1 and SELENE. <i>Planetary and Space Science</i> , 2011, 59, 378-386.	0.9	10
32	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). <i>Space Science Reviews</i> , 2010, 154, 265-303.	3.7	123
33	Effect of the solar wind proton entry into the deepest lunar wake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	34
34	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	41
35	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	13
36	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1

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37	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission &quot;Kaguya&quot;. <i>Annales Geophysicae</i> , 2009, 27, 59-64.	0.6	8
38	First direct detection of ions originating from the Moon by MAP&#x2013;PACE IMA onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	79
39	Pairwise energy gain&#x2013;loss feature of solar wind protons in the near&#x2013;Moon wake. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	51
40	Solar&#x2013;wind proton access deep into the near&#x2013;Moon wake. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	79
41	First in situ observation of the Moon&#x2013;originating ions in the Earth's Magnetosphere by MAP&#x2013;PACE on SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	62
42	Observations of loss cone&#x2013;shaped back streaming energetic protons upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	0
43	Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAP&#x2013;PACE onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	178
44	Anomalous Flow Deflection at Earth&#x2013;TM's Low-Alfv&#x2013;n-Mach-Number Bow Shock. <i>Physical Review Letters</i> , 2008, 101, 065003.	2.9	14
45	Escape of high-energy oxygen ions through magnetopause reconnection under northward IMF. <i>Annales Geophysicae</i> , 2008, 26, 3955-3966.	0.6	12
46	Temperature anisotropies of electrons and two-component protons in the dusk plasma sheet. <i>Annales Geophysicae</i> , 2007, 25, 1417-1432.	0.6	11
47	Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet. <i>Annales Geophysicae</i> , 2007, 25, 769-777.	0.6	21
48	Geotail observations of two-component protons in the midnight plasma sheet. <i>Annales Geophysicae</i> , 2007, 25, 2229-2245.	0.6	15
49	Corrigendum to &quot;Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet&quot; published in <i>Ann. Geophys.</i> , 25, 769&#x2013;777, 2007. <i>Annales Geophysicae</i> , 2007, 25, 1233-1233.	0.6	0
50	Origin of temperature anisotropies in the cold plasma sheet: Geotail observations around the Kelvin-Helmholtz vortices. <i>Annales Geophysicae</i> , 2007, 25, 2069-2086.	0.6	25
51	Observational signatures of plasma transport across the low-latitude boundary layer. <i>Geophysical Monograph Series</i> , 2003, , 265-272.	0.1	1