Hidetoshi Shibuya

List of Publications by Year in descending order

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HIDETOSHI SHIRUVA

#	Article	IF	CITATIONS
1	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
2	Palaeointensity study of the Hawaiian 1960 lava: implications for possible causes of erroneously high intensities. Geophysical Journal International, 2003, 153, 263-276.	2.4	129
3	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
4	Surface vector mapping of magnetic anomalies over the Moon using Kaguya and Lunar Prospector observations. Journal of Geophysical Research E: Planets, 2015, 120, 1160-1185.	3.6	106
5	Lunar Magnetic Field Observation and Initial Global Mapping of Lunar Magnetic Anomalies by MAP-LMAG Onboard SELENE (Kaguya). Space Science Reviews, 2010, 154, 219-251.	8.1	94
6	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. Earth, Planets and Space, 2012, 64, 83-92.	2.5	87
7	First direct detection of ions originating from the Moon by MAPâ€PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	79
8	Solarâ€wind proton access deep into the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	79
9	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. Planetary and Space Science, 2010, 58, 287-299.	1.7	70
10	Mini-magnetosphere over the Reiner Gamma magnetic anomaly region on the Moon. Geophysical Research Letters, 2005, 32, .	4.0	69
11	Ground calibration of the high-sensitivity SELENE lunar magnetometer LMAG. Earth, Planets and Space, 2008, 60, 353-363.	2.5	62
12	First in situ observation of the Moonâ€originating ions in the Earth's Magnetosphere by MAPâ€₽ACE on SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	62
13	Paleomagnetism of red cherts: A case study in the Inuyama Area, central Japan. Journal of Geophysical Research, 1986, 91, 14105-14116.	3.3	59
14	Kâ€Ar ages, paleomagnetism, and geochemistry of the South Auckland volcanic field, North Island, New Zealand. New Zealand Journal of Geology, and Geophysics, 1994, 37, 143-153.	1.8	54
15	In-orbit calibration of the lunar magnetometer onboard SELENE (KAGUYA). Earth, Planets and Space, 2009, 61, 1269-1274.	2.5	51
16	Pairwise energy gainâ€loss feature of solar wind protons in the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	51
17	Constraint on the lunar core size from electromagnetic sounding based on magnetic field observations by an orbiting satellite. Icarus, 2013, 222, 32-43.	2.5	51
18	A geomagnetic excursion in the Brunhes epoch recorded in New Zealand basalts. Earth and Planetary Science Letters, 1992, 111, 41-48.	4.4	46

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19	Deconvolution of long-core paleomagnetic data of Ocean Drilling Program by Akaike's Bayesian Information Criterion minimization. Journal of Geophysical Research, 1996, 101, 2815-2834.	3.3	46
20	Validity of the LTD-DHT Shaw and Thellier palaeointensity methods: a case study of the Kilauea 1970 lava. Physics of the Earth and Planetary Interiors, 2005, 149, 243-257.	1.9	42
21	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	4.0	41
22	Palaeomagnetic records of the Brunhes/Matuyama polarity transition from ODP Leg 124 (Celebes and) Tj ETQq0	0 0 rgBT / 2.4	Overlock 10 ⁻ 40
23	Palaeointensities of the Auckland geomagnetic excursions by the LTD-DHT Shaw method. Physics of the Earth and Planetary Interiors, 2006, 154, 168-179.	1.9	36
24	Magnetic Cleanliness Program Under Control ofÂElectromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. Space Science Reviews, 2010, 154, 253-264.	8.1	36
25	Effect of the solar wind proton entry into the deepest lunar wake. Geophysical Research Letters, 2010, 37, .	4.0	34
26	Non-monochromatic whistler waves detected by Kaguya on the dayside surface of the moon. Earth, Planets and Space, 2011, 63, 37-46.	2.5	31
27	Reorientation of the early lunar pole. Nature Geoscience, 2014, 7, 409-412.	12.9	31
28	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. Planetary and Space Science, 2010, 58, 279-286.	1.7	29
29	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupian–Lopingian (Permian) Limestone from Kyushu, Japan. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 418, 75-89.	2.3	29
30	Geomagnetic paleointensity deduced for the last 300 kyr from Unzen Volcano, Japan, and the dipolar nature of the Iceland Basin excursion. Earth and Planetary Science Letters, 2010, 293, 236-249.	4.4	28
31	K-Ar ages of the Auckland geomagnetic excursions. Earth, Planets and Space, 2004, 56, 283-288.	2.5	25
32	Statistical analysis of monochromatic whistler waves near the Moon detected by Kaguya. Annales Geophysicae, 2011, 29, 889-893.	1.6	24
33	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
34	Regional mapping of the lunar magnetic anomalies at the surface: Method and its application to strong and weak magnetic anomaly regions. Icarus, 2014, 228, 35-53.	2.5	23
35	Paleointensity measurements of pyroclastic flow deposits co-born with widespread tephras in Kyushu Island, Japan. Physics of the Earth and Planetary Interiors, 2002, 133, 159-179.	1.9	22
36	Statistical study of broadband whistlerâ€mode waves detected by Kaguya near the Moon. Geophysical Research Letters, 2012, 39, .	4.0	22

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37	Paleomagnetic transition records of the Cobb Mountain Event from sediments of the Celebes and Sulu Seas. Geophysical Research Letters, 1990, 17, 2069-2072.	4.0	20
38	Applications of paleomagnetism in the volcanic field: A case study of the Unzen Volcano, Japan. Earth, Planets and Space, 2004, 56, 635-647.	2.5	20
39	Further K-Ar dating and paleomagnetic study of the Auckland geomagnetic excursions. Earth, Planets and Space, 2007, 59, 755-761.	2.5	20
40	Largeâ€∎mplitude monochromatic ULF waves detected by Kaguya at the Moon. Journal of Geophysical Research, 2012, 117, .	3.3	20
41	Post-miocene clockwise rotation of the Miura peninsula and its adjacent area Journal of Geomagnetism and Geoelectricity, 1984, 36, 579-584.	0.9	20
42	Paleomagnetism of Young New Zealand Basalts and Longitudinal Distribution of Paleosecular Variation Journal of Geomagnetism and Geoelectricity, 1995, 47, 1011-1022.	0.9	20
43	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
44	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
45	Depositional history of the Sulu Sea from ODP Sites 768, 769 AND 771. Geophysical Research Letters, 1990, 17, 2065-2068.	4.0	14
46	Equivalent source mapping of the lunar crustal magnetic field using ABIC. Earth, Planets and Space, 2008, 60, 365-373.	2.5	14
47	Multi-level consistency tests in paleointensity determinations from the welded tuffs of the Aso pyroclastic-flow deposits. Physics of the Earth and Planetary Interiors, 2013, 223, 40-54.	1.9	14
48	Magnetostratigraphy of sub-bottom sediments from Lake Biwa Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1986, 62, 333-336.	3.8	13
49	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. Geophysical Research Letters, 2010, 37, .	4.0	13
50	Deconvolution of Whole-Core Magnetic Remanence Data by ABIC Minimization Journal of Geomagnetism and Geoelectricity, 1994, 46, 613-628.	0.9	12
51	Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by Chang'E-1 and SELENE. Planetary and Space Science, 2011, 59, 378-386.	1.7	10
52	Night side lunar surface potential in the Earth's magnetosphere. Advances in Space Research, 2014, 54, 1985-1992.	2.6	10
53	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. Science Advances, 2020, 6, eaba1050.	10.3	10
54	Paleomagnetism of Cambrian to Jurassic sedimentary rocks from the Ogcheon zone, southern part of Korean Peninsula Journal of Geomagnetism and Geoelectricity, 1988, 40, 1469-1480.	0.9	10

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55	Nongyrotropic electron velocity distribution functions near the lunar surface. Journal of Geophysical Research, 2012, 117, .	3.3	9
56	Harmonics of whistler-mode waves near the Moon. Earth, Planets and Space, 2015, 67, 36.	2.5	9
57	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	1.6	8
58	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	2.5	8
59	Depositional history of the Celebes Sea from ODP Sites 767 and 770. Geophysical Research Letters, 1990, 17, 2061-2064.	4.0	7
60	Paleomagnetism of Unzen volcano: A volcanic record (Senbongi excursion) of the Iceland Basin event and the Brunhes VGP distribution for Japan. Earth, Planets and Space, 2007, 59, 763-774.	2.5	7
61	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	1.7	7
62	Smallâ€scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	4.0	7
63	A tephra-based approach to calibrating relative geomagnetic paleointensity stacks to absolute values. Earth and Planetary Science Letters, 2021, 572, 117119.	4.4	7
64	An improvement in ABIC-minimizing deconvolution for continuously measured magnetic remanence data. Earth, Planets and Space, 1998, 50, 15-22.	2.5	6
65	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	1.7	6
66	Groupâ€standing of whistler mode waves near the Moon. Journal of Geophysical Research: Space Physics, 2014, 119, 2634-2648.	2.4	5
67	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. Earth, Planets and Space, 2015, 67, .	2.5	5
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69	K-Ar ages of high-magnesian andesite lavas from northern Kyushu, Japan. Journal of Mineralogical and Petrological Sciences, 2008, 103, 183-191.	0.9	2
70	Magnetostratigraphy of the Ryukyu Group in Miyakojima Island, Okinawa, Japan. Journal of the Geological Society of Japan, 2017, 123, 1035-1048.	0.6	2
71	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
72	Lunar Magnetic Field Observation and Initial Global Mapping of Lunar Magnetic Anomalies by MAP-LMAG Onboard SELENE (Kaguya). , 2010, , 219-251.		2

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73	Morphology and Variation of Geomagnetic Field: Time-averaged Field and Paleosecular Variation. Journal of Geography (Chigaku Zasshi), 2005, 114, 201-211.	0.3	1
74	Reductive chemical demagnetization: a new approach to magnetic cleaning and a case study of reef limestones. Earth, Planets and Space, 2018, 70, .	2.5	1
75	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	2.5	1
76	Persistent shallow magnetic inclination in the past 5 million years with implications for regional tectonics in the Philippines. Journal of Asian Earth Sciences: X, 2021, 5, 100048.	0.9	1
77	Magnetic Cleanliness Program Under Control of Electromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. , 2010, , 253-264.		1
78	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1
79	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