

Hidetoshi Shibuya

List of Publications by Year in descending order

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79
papers

2,397
citations

185998

28
h-index

214527

47
g-index

80
all docs

80
docs citations

80
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAP&PACE onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	178
2	Palaeointensity study of the Hawaiian 1960 lava: implications for possible causes of erroneously high intensities. <i>Geophysical Journal International</i> , 2003, 153, 263-276.	1.0	129
3	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
4	Surface vector mapping of magnetic anomalies over the Moon using Kaguya and Lunar Prospector observations. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1160-1185.	1.5	106
5	Lunar Magnetic Field Observation and Initial Global Mapping of Lunar Magnetic Anomalies by MAP-LMAG Onboard SELENE (Kaguya). <i>Space Science Reviews</i> , 2010, 154, 219-251.	3.7	94
6	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
7	First direct detection of ions originating from the Moon by MAP&PACE IMA onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	79
8	Solar&wind proton access deep into the near&Moon wake. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	79
9	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. <i>Planetary and Space Science</i> , 2010, 58, 287-299.	0.9	70
10	Mini-magnetosphere over the Reiner Gamma magnetic anomaly region on the Moon. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	69
11	Ground calibration of the high-sensitivity SELENE lunar magnetometer LMAG. <i>Earth, Planets and Space</i> , 2008, 60, 353-363.	0.9	62
12	First in situ observation of the Moon&originating ions in the Earth's Magnetosphere by MAP&PACE on SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	62
13	Paleomagnetism of red cherts: A case study in the Inuyama Area, central Japan. <i>Journal of Geophysical Research</i> , 1986, 91, 14105-14116.	3.3	59
14	K&Ar ages, paleomagnetism, and geochemistry of the South Auckland volcanic field, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1994, 37, 143-153.	1.0	54
15	In-orbit calibration of the lunar magnetometer onboard SELENE (KAGUYA). <i>Earth, Planets and Space</i> , 2009, 61, 1269-1274.	0.9	51
16	Pairwise energy gain&loss feature of solar wind protons in the near&Moon wake. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	51
17	Constraint on the lunar core size from electromagnetic sounding based on magnetic field observations by an orbiting satellite. <i>Icarus</i> , 2013, 222, 32-43.	1.1	51
18	A geomagnetic excursion in the Brunhes epoch recorded in New Zealand basalts. <i>Earth and Planetary Science Letters</i> , 1992, 111, 41-48.	1.8	46

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19	Deconvolution of long-core paleomagnetic data of Ocean Drilling Program by Akaike's Bayesian Information Criterion minimization. <i>Journal of Geophysical Research</i> , 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. <i>Physics of the Earth and Planetary Interiors</i> , 2005, 149, 243-257.	0.7	42
21	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
22	Palaeomagnetic records of the Brunhes/Matuyama polarity transition from ODP Leg 124 (Celebes and) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	40
23	Palaeointensities of the Auckland geomagnetic excursions by the LTD-DHT Shaw method. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 154, 168-179.	0.7	36
24	Magnetic Cleanliness Program Under Control of Electromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. <i>Space Science Reviews</i> , 2010, 154, 253-264.	3.7	36
25	Effect of the solar wind proton entry into the deepest lunar wake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	34
26	Non-monochromatic whistler waves detected by Kaguya on the dayside surface of the moon. <i>Earth, Planets and Space</i> , 2011, 63, 37-46.	0.9	31
27	Reorientation of the early lunar pole. <i>Nature Geoscience</i> , 2014, 7, 409-412.	5.4	31
28	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. <i>Planetary and Space Science</i> , 2010, 58, 279-286.	0.9	29
29	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupian Lopingian (Permian) Limestone from Kyushu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 75-89.	1.0	29
30	Geomagnetic paleointensity deduced for the last 300 kyr from Unzen Volcano, Japan, and the dipolar nature of the Iceland Basin excursion. <i>Earth and Planetary Science Letters</i> , 2010, 293, 236-249.	1.8	28
31	K-Ar ages of the Auckland geomagnetic excursions. <i>Earth, Planets and Space</i> , 2004, 56, 283-288.	0.9	25
32	Statistical analysis of monochromatic whistler waves near the Moon detected by Kaguya. <i>Annales Geophysicae</i> , 2011, 29, 889-893.	0.6	24
33	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
34	Regional mapping of the lunar magnetic anomalies at the surface: Method and its application to strong and weak magnetic anomaly regions. <i>Icarus</i> , 2014, 228, 35-53.	1.1	23
35	Paleointensity measurements of pyroclastic flow deposits co-born with widespread tephtras in Kyushu Island, Japan. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 133, 159-179.	0.7	22
36	Statistical study of broadband whistler mode waves detected by Kaguya near the Moon. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	22

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37	Paleomagnetic transition records of the Cobb Mountain Event from sediments of the Celebes and Sulu Seas. <i>Geophysical Research Letters</i> , 1990, 17, 2069-2072.	1.5	20
38	Applications of paleomagnetism in the volcanic field: A case study of the Unzen Volcano, Japan. <i>Earth, Planets and Space</i> , 2004, 56, 635-647.	0.9	20
39	Further K-Ar dating and paleomagnetic study of the Auckland geomagnetic excursions. <i>Earth, Planets and Space</i> , 2007, 59, 755-761.	0.9	20
40	Large-amplitude monochromatic ULF waves detected by Kaguya at the Moon. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
41	Post-miocene clockwise rotation of the Miura peninsula and its adjacent area.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1984, 36, 579-584.	0.8	20
42	Paleomagnetism of Young New Zealand Basalts and Longitudinal Distribution of Paleosecular Variation.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1995, 47, 1011-1022.	0.8	20
43	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
44	Structure of the ionized lunar sodium and potassium exosphere: Dawn-dusk asymmetry. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 798-809.	1.5	16
45	Depositional history of the Sulu Sea from ODP Sites 768, 769 AND 771. <i>Geophysical Research Letters</i> , 1990, 17, 2065-2068.	1.5	14
46	Equivalent source mapping of the lunar crustal magnetic field using ABIC. <i>Earth, Planets and Space</i> , 2008, 60, 365-373.	0.9	14
47	Multi-level consistency tests in paleointensity determinations from the welded tuffs of the Aso pyroclastic-flow deposits. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 223, 40-54.	0.7	14
48	Magnetostratigraphy of sub-bottom sediments from Lake Biwa.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1986, 62, 333-336.	1.6	13
49	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	13
50	Deconvolution of Whole-Core Magnetic Remanence Data by ABIC Minimization.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1994, 46, 613-628.	0.8	12
51	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
52	Night side lunar surface potential in the Earth's magnetosphere. <i>Advances in Space Research</i> , 2014, 54, 1985-1992.	1.2	10
53	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. <i>Science Advances</i> , 2020, 6, eaba1050.	4.7	10
54	Paleomagnetism of Cambrian to Jurassic sedimentary rocks from the Ogcheon zone, southern part of Korean Peninsula.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1988, 40, 1469-1480.	0.8	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.	0.9	9
57	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	0.6	8
58	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	1.1	8
59	Depositional history of the Celebes Sea from ODP Sites 767 and 770. Geophysical Research Letters, 1990, 17, 2061-2064.	1.5	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.	0.9	7
61	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	0.9	7
62	Small-scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	1.5	7
63	A tephra-based approach to calibrating relative geomagnetic paleointensity stacks to absolute values. Earth and Planetary Science Letters, 2021, 572, 117119.	1.8	7
64	An improvement in ABIC-minimizing deconvolution for continuously measured magnetic remanence data. Earth, Planets and Space, 1998, 50, 15-22.	0.9	6
65	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	0.9	6
66	Group-standing of whistler mode waves near the Moon. Journal of Geophysical Research: Space Physics, 2014, 119, 2634-2648.	0.8	5
67	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. Earth, Planets and Space, 2015, 67, .	0.9	5
68	é'ç€-ã•ee\$«é€ã, æ"ã€%ã±±ãf-ãf³ã, ç\$¶éf"ã,ãf«ãf«ç³»é...æ€\$ã†ç²ã² ©ã®ããœ°ç£æ°—. Journal of the Geological Society of Japan, 1998, 104, 1-10.		
69	K-Ar ages of high-magnesian andesite lavas from northern Kyushu, Japan. Journal of Mineralogical and Petrological Sciences, 2008, 103, 183-191.	0.4	2
70	Magnetostratigraphy of the Ryukyu Group in Miyakojima Island, Okinawa, Japan. Journal of the Geological Society of Japan, 2017, 123, 1035-1048.	0.2	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.	0.8	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.	0.1	1
74	Reductive chemical demagnetization: a new approach to magnetic cleaning and a case study of reef limestones. Earth, Planets and Space, 2018, 70, .	0.9	1
75	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	1.1	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.	0.6	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, .	0.9	0