Hidetoshi Shibuya

List of Publications by Year
in descending order

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79	2,397	186265 28	214800 47
papers	citations	h-index	g-index

80	80	80	1536
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	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
3	A tephra-based approach to calibrating relative geomagnetic paleointensity stacks to absolute values. Earth and Planetary Science Letters, 2021, 572, 117119.	4.4	7
4	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	2.5	1
5	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. Science Advances, 2020, 6, eaba1050.	10.3	10
6	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
7	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
8	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
9	Magnetostratigraphy of the Ryukyu Group in Miyakojima Island, Okinawa, Japan. Journal of the Geological Society of Japan, 2017, 123, 1035-1048.	0.6	2
10	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
11	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. Earth, Planets and Space, 2015, 67, .	2.5	5
12	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	2.5	8
13	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupianâ€“Lopingian (Permian) Limestone from Kyushu, Japan. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 418, 75-89.	2.3	29
14	Harmonics of whistler-mode waves near the Moon. Earth, Planets and Space, 2015, 67, 36.	2.5	9
15	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	1.7	6
16	Reorientation of the early lunar pole. Nature Geoscience, 2014, 7, 409-412.	12.9	31
17	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
18	Night side lunar surface potential in the Earthâ€™s magnetosphere. Advances in Space Research, 2014, 54, 1985-1992.	2.6	10

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19	Groupâ€standing of whistler mode waves near the Moon. Journal of Geophysical Research: Space Physics, 2014, 119, 2634-2648.	2.4	5
20	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
21	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
22	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
23	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
24	Smallâ€scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	4.0	7
25	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. Earth, Planets and Space, 2012, 64, 83-92.	2.5	87
26	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	1.7	7
27	Largeâ€amplitude monochromatic ULF waves detected by Kaguya at the Moon. Journal of Geophysical Research, 2012, 117, .	3.3	20
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	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
31	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
32	Statistical analysis of monochromatic whistler waves near the Moon detected by Kaguya. Annales Geophysicae, 2011, 29, 889-893.	1.6	24
33	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
34	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
35	Magnetic Cleanliness Program Under Control ofÂElectromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. Space Science Reviews, 2010, 154, 253-264.	8.1	36
36	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

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37	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. Planetary and Space Science, 2010, 58, 287-299.	1.7	70
38	Effect of the solar wind proton entry into the deepest lunar wake. Geophysical Research Letters, 2010, 37, .	4.0	34
39	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	4.0	41
40	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. Geophysical Research Letters, 2010, 37, .	4.0	13
41	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
42	Lunar Magnetic Field Observation and Initial Global Mapping of Lunar Magnetic Anomalies by MAP-LMAG Onboard SELENE (Kaguya). , 2010, , 219-251.		2
43	Magnetic Cleanliness Program Under Control of Electromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. , 2010, , 253-264.		1
44	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1
45	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	1.6	8
46	In-orbit calibration of the lunar magnetometer onboard SELENE (KAGUYA). Earth, Planets and Space, 2009, 61, 1269-1274.	2.5	51
47	First direct detection of ions originating from the Moon by MAPâ€PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	79
48	Pairwise energy gainâ€loss feature of solar wind protons in the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	51
49	Solarâ€wind proton access deep into the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	79
50	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
51	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
52	Ground calibration of the high-sensitivity SELENE lunar magnetometer LMAG. Earth, Planets and Space, 2008, 60, 353-363.	2.5	62
53	Equivalent source mapping of the lunar crustal magnetic field using ABIC. Earth, Planets and Space, 2008, 60, 365-373.	2.5	14
54	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

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55	Further K-Ar dating and paleomagnetic study of the Auckland geomagnetic excursions. Earth, Planets and Space, 2007, 59, 755-761.	2.5	20
56	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
57	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
58	Morphology and Variation of Geomagnetic Field: Time-averaged Field and Paleosecular Variation. Journal of Geography (Chigaku Zasshi), 2005, 114, 201-211.	0.3	1
59	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
60	Mini-magnetosphere over the Reiner Gamma magnetic anomaly region on the Moon. Geophysical Research Letters, 2005, 32, .	4.0	69
61	K-Ar ages of the Auckland geomagnetic excursions. Earth, Planets and Space, 2004, 56, 283-288.	2.5	25
62	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
63	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
64	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
65	Palaeomagnetic records of the Brunhes/Matuyama polarity transition from ODP Leg 124 (Celebes and) Tj ETQq1 1 0.784314 rgBT /Over	2.4	46
66	An improvement in ABIC-minimizing deconvolution for continuously measured magnetic remanence data. Earth, Planets and Space, 1998, 50, 15-22.	2.5	6
67	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
68	Paleomagnetism of Young New Zealand Basalts and Longitudinal Distribution of Paleosecular Variation.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 1011-1022.	0.9	20
69	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
70	Deconvolution of Whole-Core Magnetic Remanence Data by ABIC Minimization.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 613-628.	0.9	12
71	A geomagnetic excursion in the Brunhes epoch recorded in New Zealand basalts. Earth and Planetary Science Letters, 1992, 111, 41-48.	4.4	46
72	Depositional history of the Celebes Sea from ODP Sites 767 and 770. Geophysical Research Letters, 1990, 17, 2061-2064.	4.0	7

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73	Depositional history of the Sulu Sea from ODP Sites 768, 769 AND 771. Geophysical Research Letters, 1990, 17, 2065-2068.	4.0	14
74	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
75	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
76	Paleomagnetism of red cherts: A case study in the Inuyama Area, central Japan. Journal of Geophysical Research, 1986, 91, 14105-14116.	3.3	59
77	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
78	Post-miocene clockwise rotation of the Miura peninsula and its adjacent area.. Journal of Geomagnetism and Geoelectricity, 1984, 36, 579-584.	0.9	20
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