List of Publications by Year in descending order

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ΕΠΤΟΣΗΙ ΤΛΚΛΗΛΣΗΙ

#	Article	IF	CITATIONS
1	A numerical dynamo benchmark. Physics of the Earth and Planetary Interiors, 2001, 128, 25-34.	1.9	224
2	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
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	Simulations of a Quasi-Taylor State Geomagnetic Field Including Polarity Reversals on the Earth Simulator. Science, 2005, 309, 459-461.	12.6	93
7	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. Earth, Planets and Space, 2012, 64, 83-92.	2.5	87
8	First direct detection of ions originating from the Moon by MAPâ€PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	79
9	Solarâ€wind proton access deep into the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	79
10	Seismoelectromagnetic Effect Associated with the Izmit Earthquake and Its Aftershocks. Bulletin of the Seismological Society of America, 2002, 92, 350-360.	2.3	71
11	Preliminary results of multidisciplinary observations before, during and after the Kocaeli (Izmit) earthquake in the western part of the North Anatolian Fault Zone. Earth, Planets and Space, 2000, 52, 293-298.	2.5	69
12	Performance benchmarks for a next generation numerical dynamo model. Geochemistry, Geophysics, Geosystems, 2016, 17, 1586-1607.	2.5	66
13	Ground calibration of the high-sensitivity SELENE lunar magnetometer LMAG. Earth, Planets and Space, 2008, 60, 353-363.	2.5	62
14	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
15	Phase Transition of FeO and Stratification in Earth's Outer Core. Science, 2011, 334, 792-794.	12.6	60
16	Scale variability in convection-driven MHD dynamos at low Ekman number. Physics of the Earth and Planetary Interiors, 2008, 167, 168-178.	1.9	56
17	Dipolar and non-dipolar dynamos in a thin shell geometry with implications for the magnetic field of Mercury. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	53
18	In-orbit calibration of the lunar magnetometer onboard SELENE (KAGUYA). Earth, Planets and Space, 2009, 61, 1269-1274.	2.5	51

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19	Pairwise energy gainâ€loss feature of solar wind protons in the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	51
20	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
21	The Origin of Mercury's Internal Magnetic Field. Space Science Reviews, 2007, 132, 261-290.	8.1	44
22	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	4.0	41
23	Effects of thermally heterogeneous structure in the lowermost mantle on the geomagnetic field strength. Earth and Planetary Science Letters, 2008, 272, 738-746.	4.4	39
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	Mercury's anomalous magnetic field caused by a symmetry-breaking self-regulating dynamo. Nature Communications, 2019, 10, 208.	12.8	27
29	Thermal coreâ€mantle coupling in an early lunar dynamo: Implications for a global magnetic field and magnetosphere of the early Moon. Geophysical Research Letters, 2009, 36, .	4.0	24
30	Statistical analysis of monochromatic whistler waves near the Moon detected by Kaguya. Annales Geophysicae, 2011, 29, 889-893.	1.6	24
31	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
32	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
33	Statistical study of broadband whistlerâ€mode waves detected by Kaguya near the Moon. Geophysical Research Letters, 2012, 39, .	4.0	22
34	A detailed analysis of a dynamo mechanism in a rapidly rotating spherical shell. Journal of Fluid Mechanics, 2012, 701, 228-250.	3.4	22
35	Largeâ€∎mplitude monochromatic ULF waves detected by Kaguya at the Moon. Journal of Geophysical Research, 2012, 117,	3.3	20
36	A numerical study on magnetic polarity transition in an MHD dynamo model. Earth, Planets and Space, 2007, 59, 665-673.	2.5	19

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37	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
38	Dynamo action in a rotating spherical shell at high Rayleigh numbers. Physics of Fluids, 2005, 17, 076601.	4.0	18
39	Double diffusive convection in the Earth's core and the morphology of the geomagnetic field. Physics of the Earth and Planetary Interiors, 2014, 226, 83-87.	1.9	17
40	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
41	Paleointensity study of the middle Cretaceous Iritono granite in northeast Japan: Implication for high field intensity of the Cretaceous normal superchron. Physics of the Earth and Planetary Interiors, 2009, 176, 235-242.	1.9	15
42	Dynamo action and its temporal variation inside the tangent cylinder in MHD dynamo simulations. Physics of the Earth and Planetary Interiors, 2003, 140, 53-71.	1.9	14
43	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. Geophysical Research Letters, 2010, 37, .	4.0	13
44	Effects of boundary layers on magnetic field behavior in an MHD dynamo model. Physics of the Earth and Planetary Interiors, 2001, 128, 149-161.	1.9	12
45	Implementation of a high-order combined compact difference scheme in problems of thermally driven convection and dynamo in rotating spherical shells. Geophysical and Astrophysical Fluid Dynamics, 2012, 106, 231-249.	1.2	11
46	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
47	Night side lunar surface potential in the Earth's magnetosphere. Advances in Space Research, 2014, 54, 1985-1992.	2.6	10
48	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. Science Advances, 2020, 6, eaba1050.	10.3	10
49	A candidate secular variation model for IGRF-13 based on MHD dynamo simulation and 4DEnVar data assimilation. Earth, Planets and Space, 2020, 72, .	2.5	10
50	Nongyrotropic electron velocity distribution functions near the lunar surface. Journal of Geophysical Research, 2012, 117, .	3.3	9
51	Harmonics of whistler-mode waves near the Moon. Earth, Planets and Space, 2015, 67, 36.	2.5	9
52	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	1.6	8
53	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	2.5	8
54	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	1.7	7

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55	Smallâ€scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	4.0	7
56	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	1.7	6
57	Groupâ€standing of whistler mode waves near the Moon. Journal of Geophysical Research: Space Physics, 2014, 119, 2634-2648.	2.4	5
58	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. Earth, Planets and Space, 2015, 67, .	2.5	5
59	Tidal resonance of eigenmode oscillation in the early Earth's ocean and its acceleration effect on the Moon's orbital evolution. Icarus, 2020, 335, 113382.	2.5	5
60	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
61	Lunar Magnetic Field Observation and Initial Global Mapping of Lunar Magnetic Anomalies by MAP-LMAG Onboard SELENE (Kaguya). , 2010, , 219-251.		2
62	Multiple solutions of inhomogeneous H-systems with zero Dirichlet boundary conditions. Nonlinear Analysis: Theory, Methods & Applications, 2003, 52, 239-259.	1.1	1
63	Testing a toroidal magnetic field imaging method at the core-mantle boundary using a numerical dynamo model. Earth, Planets and Space, 2014, 66, .	2.5	1
64	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	2.5	1
65	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
66	Magnetic Cleanliness Program Under Control of Electromagnetic Compatibility for the SELENE (Kaguya) Spacecraft. , 2010, , 253-264.		1
67	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1
68	Polarization Reversal of Lowâ€Frequency Magnetic Variation in the Lunar Wake. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029299.	2.4	0
69	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
70	Diffuse Whistlerâ€Mode Waves Detected by Kaguya in the Lunar Polar Region. Radio Science, 2022, 57, .	1.6	0