Kazuo Yoshioka

List of Publications by Year
in descending order

100	3,368	186265	149698
papers	citations	28 h-index	56 g-index

107	107	107	2323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resurfacing processes constrained by crater distribution on Ryugu. Icarus, 2022, 377, 114911.	2.5	6
2	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	12.6	78
3	Three-axial shape distributions of pebbles, cobbles and boulders smaller than a few meters on asteroid Ryugu. Icarus, 2022, 381, 115007.	2.5	1
4	Effect of Meteoric Ions on Ionospheric Conductance at Jupiter. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
5	Crater depth-to-diameter ratios on asteroid 162173 Ryugu. Icarus, 2021, 354, 114016.	2.5	12
6	Collisional history of Ryuguâ€™s parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
7	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
8	Alignment determination of the Hayabusa2 laser altimeter (LIDAR). Earth, Planets and Space, 2021, 73, .	2.5	3
9	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 4. Quasiâ€Periodic Variation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028575.	2.4	3
10	Post-arrival calibration of Hayabusa2's optical navigation cameras (ONCs): Severe effects from touchdown events. Icarus, 2021, 360, 114353.	2.5	11
11	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
12	Improved method of hydrous mineral detection by latitudinal distribution of 0.7-Î¼m surface reflectance absorption on the asteroid Ryugu. Icarus, 2021, 360, 114348.	2.5	9
13	Theoretical Analysis and Experimental Demonstration of a Chirped Pulse-Train Generator and its Potential for Efficient Cooling of Positronium. Physical Review Applied, 2021, 16, .	3.8	4
14	Geologic History and Crater Morphology of Asteroid (162173) Ryugu. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006572.	3.6	10
15	EUV signals associated with O+ ions observed from ISS-IMAP/EUVI in the nightside ionosphere. Earth, Planets and Space, 2021, 73, .	2.5	1
16	Optical design adopting tilted filters for reduction of stray light in planetary exploration cameras and other optics. , 2021, , .		0
17	Resurfacing processes on asteroid (162173) Ryugu caused by an artificial impact of Hayabusa2's Small Carry-on Impactor. Icarus, 2021, 366, 114530.	2.5	24
18	Opposition Observations of 162173 Ryugu: Normal Albedo Map Highlights Variations in Regolith Characteristics. Planetary Science Journal, 2021, 2, 177.	3.6	12

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19	Development of image texture analysis technique for boulder distribution measurements: Applications to asteroids Ryugu and Itokawa. Planetary and Space Science, 2021, 204, 105249.	1.7	6
20	High-resolution observations of bright boulders on asteroid Ryugu: 1. Size frequency distribution and morphology. Icarus, 2021, 369, 114529.	2.5	2
21	High-resolution observations of bright boulders on asteroid Ryugu: 2. Spectral properties. Icarus, 2021, 369, 114591.	2.5	5
22	Longâ€Term Monitoring of Energetic Protons at the Bottom of Earthâ€™s Radiation Belt. Space Weather, 2021, 19, e2020SW002611.	3.7	0
23	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23
24	The spatial distribution of impact craters on Ryugu. Icarus, 2020, 338, 113527.	2.5	25
25	Martian Oxygen and Hydrogen Upper Atmospheres Responding to Solar and Dust Storm Drivers: Hisaki Space Telescope Observations. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006500.	3.6	6
26	Global photometric properties of (162173) Ryugu. Astronomy and Astrophysics, 2020, 639, A83.	5.1	37
27	Surface roughness of asteroid (162173) Ryugu and comet 67P/Churyumovâ€“Gerasimenko inferred fromin situobservations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3178-3193.	4.4	11
28	Seasonal Variability of Mercury's Sodium Exosphere Deduced From MESSENGER Data and Numerical Simulation. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006472.	3.6	5
29	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
30	An artificial impact on the asteroid (162173) Ryugu formed a crater in the gravity-dominated regime. Science, 2020, 368, 67-71.	12.6	183
31	Spatially Asymmetric Increase in Hot Electron Fraction in the Io Plasma Torus During Volcanically Active Period Revealed by Observations by Hisaki/EXCEED From November 2014 to May 2015. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027100.	2.4	9
32	Vertical Coupling Between the Cloudâ€Level Atmosphere and the Thermosphere of Venus Inferred From the Simultaneous Observations by Hisaki and Akatsuki. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006192.	3.6	2
33	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. Geophysical Research Letters, 2019, 46, 11632-11641.	4.0	32
34	Multivariable statistical analysis of spectrophotometry and spectra of (162173) Ryugu as observed by JAXA Hayabusa2 mission. Astronomy and Astrophysics, 2019, 629, A13.	5.1	15
35	Updated inflight calibration of Hayabusa2's optical navigation camera (ONC) for scientific observations during the cruise phase. Icarus, 2019, 325, 153-195.	2.5	48
36	Boulder size and shape distributions on asteroid Ryugu. Icarus, 2019, 331, 179-191.	2.5	107

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37	Azimuthal Variation in the Io Plasma Torus Observed by the Hisaki Satellite From 2013 to 2016. Journal of Geophysical Research: Space Physics, 2019, 124, 3236-3254.	2.4	13
38	Development of ground pipeline system for high-level scientific data products of the Hisaki satellite mission and its application to planetary space weather. Journal of Space Weather and Space Climate, 2019, 9, A8.	3.3	11
39	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. Science, 2019, 364, 272-275.	12.6	262
40	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryuguâ€”A spinning topâ€“shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
41	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
42	Short-term Variation in the Dawnâ€“Dusk Asymmetry of the Jovian Radiation Belt Obtained from GMRT and Hisaki EXCEED Observations. Astrophysical Journal Letters, 2019, 872, L24.	8.3	3
43	The Western Bulge of 162173 Ryugu Formed as a Result of a Rotationally Driven Deformation Process. Astrophysical Journal Letters, 2019, 874, L10.	8.3	30
44	The MASCOT landing area on asteroid (162173) Ryugu: Stereo-photogrammetric analysis using images of the ONC onboard the Hayabusa2 spacecraft. Astronomy and Astrophysics, 2019, 632, L4.	5.1	9
45	Jovian UV Aurora's Response to the Solar Wind: Hisaki EXCEED and Juno Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 10209-10218.	2.4	9
46	Gigahertz-repetition-rate, narrowband-deep-ultraviolet light source for minimization of acquisition time in high-resolution angle-resolved photoemission spectroscopy. Review of Scientific Instruments, 2019, 90, 123109.	1.3	0
47	Transient Change of Io's Neutral Oxygen Cloud and Plasma Torus Observed by Hisaki. Journal of Geophysical Research: Space Physics, 2019, 124, 10318-10331.	2.4	10
48	The descent and bouncing path of the Hayabusa2 lander MASCOT at asteroid (162173) Ryugu. Astronomy and Astrophysics, 2019, 632, L3.	5.1	18
49	Response of Jupiter's Aurora to Plasma Mass Loading Rate Monitored by the Hisaki Satellite During Volcanic Eruptions at Io. Journal of Geophysical Research: Space Physics, 2018, 123, 1885-1899.	2.4	27
50	Evaluation of hydrogen absorption cells for observations of the planetary coronas. Review of Scientific Instruments, 2018, 89, 023111.	1.3	1
51	Extreme ultraviolet spectra of Venusian airglow observed by EXCEED. Icarus, 2018, 307, 207-215.	2.5	7
52	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 3. Volcanic Control of Jupiter's Aurora. Geophysical Research Letters, 2018, 45, 71-79.	4.0	12
53	The time variation of atomic oxygen emission around Io during a volcanic event observed with Hisaki/EXCEED. Icarus, 2018, 299, 300-307.	2.5	23
54	Enhancement of the Jovian Magnetospheric Plasma Circulation Caused by the Change in Plasma Supply From the Satellite Io. Journal of Geophysical Research: Space Physics, 2018, 123, 6514-6532.	2.4	20

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55	Corotation of Bright Features in the Io Plasma Torus. Journal of Geophysical Research: Space Physics, 2018, 123, 9420-9429.	2.4	3
56	The Influence of Io's 2015 Volcanic Activity on Jupiter's Magnetospheric Dynamics. Geophysical Research Letters, 2018, 45, 10,193.	4.0	18
57	Spatial Distribution of Io's Neutral Oxygen Cloud Observed by Hisaki. Journal of Geophysical Research: Space Physics, 2018, 123, 3764-3776.	2.4	18
58	Identification of Extreme Ultraviolet Emission Lines of the Io Plasma Torus Observed by Hisaki/EXCEED. Journal of Geophysical Research E: Planets, 2018, 123, 1723-1731.	3.6	7
59	Dawn-dusk difference of periodic oxygen EUV dayglow variations at Venus observed by Hisaki. Icarus, 2017, 292, 102-110.	2.5	7
60	The geocoronal responses to the geomagnetic disturbances. Journal of Geophysical Research: Space Physics, 2017, 122, 1269-1276.	2.4	23
61	Transient brightening of Jupiter's aurora observed by the Hisaki satellite and Hubble Space Telescope during approach phase of the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4523-4531.	4.0	30
62	Global distribution of the He + column density observed by Extreme Ultra Violet Imager on the International Space Station. Journal of Geophysical Research: Space Physics, 2017, 122, 7670-7682.	2.4	1
63	Radial variation of sulfur and oxygen ions in the Io plasma torus as deduced from remote observations by Hisaki. Journal of Geophysical Research: Space Physics, 2017, 122, 2999-3012.	2.4	23
64	Ecliptic Northâ€South Symmetry of Hydrogen Geocorona. Geophysical Research Letters, 2017, 44, 11,706.	4.0	30
65	Volcanic activity on Io and its influence on the dynamics of the Jovian magnetosphere observed by EXCEED/Hisaki in 2015. Earth, Planets and Space, 2017, 69, .	2.5	35
66	Three-year of observations of Jupiterâ€™s aurora and Io plasma torus variabilities by earth orbiting extreme-ultraviolet spectroscope HISAKI. Journal of Physics: Conference Series, 2017, 869, 012069.	0.4	0
67	Conceptual Design of an In Situ K-Ar Isochron Dating Instrument for Future Mars Rover Missions. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pk_89-Pk_94.	0.2	2
68	Variation of Jupiter's aurora observed by Hisaki/EXCEED: 1. Observed characteristics of the auroral electron energies compared with observations performed using HST/STIS. Journal of Geophysical Research: Space Physics, 2016, 121, 4041-4054.	2.4	14
69	Response of Jupiter's inner magnetosphere to the solar wind derived from extreme ultraviolet monitoring of the Io plasma torus. Geophysical Research Letters, 2016, 43, 12,308.	4.0	37
70	The plasmapause formation seen from meridian perspective by KAGUYA. Journal of Geophysical Research: Space Physics, 2016, 121, 11,973-11,984.	2.4	9
71	Characteristics of solar wind control on Jovian UV auroral activity deciphered by longâ€term Hisaki EXCEED observations: Evidence of preconditioning of the magnetosphere?. Geophysical Research Letters, 2016, 43, 6790-6798.	4.0	32
72	Properties of hot electrons in the Jovian inner magnetosphere deduced from extended observations of the Io Plasma Torus. Geophysical Research Letters, 2016, 43, 11,552.	4.0	13

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73	Jupiter's Xâ€ray and EUV auroras monitored by Chandra, XMMâ€Newton, and Hisaki satellite. Journal of Geophysical Research: Space Physics, 2016, 121, 2308-2320.	2.4	34
74	Weakening of Jupiter's main auroral emission during January 2014. Geophysical Research Letters, 2016, 43, 988-997.	4.0	50
75	Variation of Jupiter's aurora observed by Hisaki/EXCEED: 2. Estimations of auroral parameters and magnetospheric dynamics. Journal of Geophysical Research: Space Physics, 2016, 121, 4055-4071.	2.4	27
76	Periodic variations of oxygen EUV dayglow in the upper atmosphere of Venus: Hisaki/EXCEED observations. Journal of Geophysical Research E: Planets, 2015, 120, 2037-2052.	3.6	14
77	Momentum-dependent sign inversion of orbital order in superconducting FeSe. Physical Review B, 2015, 92, .	3.2	113
78	Local electron heating in the Io plasma torus associated with Io from HISAKI satellite observation. Journal of Geophysical Research: Space Physics, 2015, 120, 10,317.	2.4	25
79	Transient internally driven aurora at Jupiter discovered by Hisaki and the Hubble Space Telescope. Geophysical Research Letters, 2015, 42, 1662-1668.	4.0	53
80	Field-of-View Guiding Camera on the HISAKI (SPRINT-A) Satellite. Space Science Reviews, 2014, 184, 259-274.	8.1	46
81	Lifting ofxz/yzorbital degeneracy at the structural transition in detwinned FeSe. Physical Review B, 2014, 90, .	3.2	200
82	Extreme Ultraviolet Radiation Measurement for Planetary Atmospheres/Magnetospheres from the Earth-Orbiting Spacecraft (Extreme Ultraviolet Spectroscope for Exospheric Dynamics: EXCEED). Space Science Reviews, 2014, 184, 237-258.	8.1	68
83	Evidence for global electron transportation into the jovian inner magnetosphere. Science, 2014, 345, 1581-1584.	12.6	30
84	Plasmaspheric filament: an isolated magnetic flux tube filled with dense plasmas. Geophysical Research Letters, 2013, 40, 250-254.	4.0	10
85	The extreme ultraviolet spectroscope for planetary science, EXCEED. Planetary and Space Science, 2013, 85, 250-260.	1.7	55
86	Feasibility study of EUV spectroscopic observation of the Io plasma torus from the earth-orbiting satellite EXCEED. Planetary and Space Science, 2012, 62, 104-110.	1.7	8
87	Hot electron component in the Io plasma torus confirmed through EUV spectral analysis. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
88	Imaging Observation of the Earth's Plasmasphere and Ionosphere by EUVI of ISS-IMAP on the International Space Station. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 1006-1010.	0.2	7
89	Image of the Cold Plasmas around the Earth Observed by Telescope of Extreme Ultraviolet (TEX) onboard KAGUYA: Geoscience from the Moon. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2011, 8, Tn_23-Tn_28.	0.2	0
90	yThe Mercury sodium atmospheric spectral imager for the MMO spacecraft of Bepi-Colombo. Planetary and Space Science, 2010, 58, 224-237.	1.7	28

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91	Variation in lunar sodium exosphere measured from lunar orbiter SELENE (Kaguya). Planetary and Space Science, 2010, 58, 1660-1664.	1.7	23
92	EUV observation from the Earth-orbiting satellite, EXCEED. Advances in Space Research, 2010, 45, 314-321.	2.6	20
93	First sequential images of the plasmasphere from the meridian perspective observed by KAGUYA. Earth, Planets and Space, 2010, 62, e9-e12.	2.5	10
94	Plasmaspheric EUV images seen from lunar orbit: Initial results of the extreme ultraviolet telescope on board the Kaguya spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	11
95	First optical observation of the Moonâ€™s sodium exosphere from the lunar orbiter SELENE (Kaguya). Earth, Planets and Space, 2009, 61, 1025-1029.	2.5	9
96	The Upper Atmosphere and Plasma Imager/the Telescope of Visible Light (UPI/TVIS) onboard the Kaguya spacecraft. Earth, Planets and Space, 2009, 61, xvii-xxiii.	2.5	6
97	Development of the High-resolution FUV Detector for the BepiColombo Mission. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Pk_1-Pk_6.	0.2	2
98	Observation of the Near-Earth Plasmas by Telescope of Extreme Ultraviolet (TEX) Onboard SELENE: Science from the Moon. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Tk_27-Tk_32.	0.2	0
99	Telescope of extreme ultraviolet (TEX) onboard SELENE: science from the Moon. Earth, Planets and Space, 2008, 60, 407-416.	2.5	38
100	EXTREME ULTRAVIOLET SPECTROSCOPE FOR EXOSPHERIC DYNAMICS EXPLORE (EXCEED). , 0, , 579-591.		2