

Kohei Kitazato

List of Publications by Year in descending order

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Version: 2024-02-01

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2,483
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304743

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42
all docs

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docs citations

42
times ranked

1432
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	12.6	97
2	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. <i>Science</i> , 2022, 375, 1011-1016.	12.6	78
3	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. <i>Nature Astronomy</i> , 2022, 6, 214-220.	10.1	136
4	First compositional analysis of Ryugu samples by the MicrOmega hyperspectral microscope. <i>Nature Astronomy</i> , 2022, 6, 221-225.	10.1	65
5	Mission objectives, planning, and achievements of Hayabusa2. , 2022, , 5-23.		3
6	On the origin and evolution of the asteroid Ryugu: A comprehensive geochemical perspective. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2022, 98, 227-282.	3.8	77
7	Clustering analysis of high spatial resolution spectra of asteroid (162173) Ryugu from Hayabusa2/NIRS3. <i>Planetary and Space Science</i> , 2022, 219, 105530.	1.7	1
8	Site selection for the Hayabusa2 artificial cratering and subsurface material sampling on Ryugu. <i>Planetary and Space Science</i> , 2022, 219, 105519.	1.7	4
9	NIRS3 spectral analysis of the artificial Omusubi-Kororin crater on Ryugu. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 6173-6182.	4.4	1
10	The formation of H ₂ O and Si-OH by H ₂ ⁺ irradiation in major minerals of carbonaceous chondrites. <i>Icarus</i> , 2021, 355, 114140.	2.5	15
11	Spectral characterization of the craters of Ryugu as observed by the NIRS3 instrument on-board Hayabusa2. <i>Icarus</i> , 2021, 357, 114253.	2.5	7
12	Global-scale albedo and spectro-photometric properties of Ryugu from NIRS3/Hayabusa2, implications for the composition of Ryugu and the representativity of the returned samples. <i>Icarus</i> , 2021, 355, 114126.	2.5	8
13	Collisional history of Ryugu's parent body from bright surface boulders. <i>Nature Astronomy</i> , 2021, 5, 39-45.	10.1	42
14	Thermally altered subsurface material of asteroid (162173) Ryugu. <i>Nature Astronomy</i> , 2021, 5, 246-250.	10.1	47
15	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. <i>Nature Astronomy</i> , 2021, 5, 766-774.	10.1	30
16	Hydrogen abundance estimation model and application to (162173) Ryugu. <i>Astronomy and Astrophysics</i> , 2021, 649, L16.	5.1	6
17	Hayabusa2 extended mission: New voyage to rendezvous with a small asteroid rotating with a short period. <i>Advances in Space Research</i> , 2021, 68, 1533-1555.	2.6	20
18	Spectrophotometric Properties of 162173 Ryugu's Surface from the NIRS3 Opposition Observations. <i>Planetary Science Journal</i> , 2021, 2, 178.	3.6	3

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19	Hayabusa2 pinpoint touchdown near the artificial crater on Ryugu: Trajectory design and guidance performance. <i>Advances in Space Research</i> , 2021, 68, 3093-3140.	2.6	9
20	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. <i>Nature Communications</i> , 2021, 12, 5837.	12.8	23
21	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	17
22	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. <i>Science</i> , 2020, 368, 654-659.	12.6	158
23	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. <i>Icarus</i> , 2020, 348, 113835.	2.5	48
24	Highly porous nature of a primitive asteroid revealed by thermal imaging. <i>Nature</i> , 2020, 579, 518-522.	27.8	100
25	An artificial impact on the asteroid (162173) Ryugu formed a crater in the gravity-dominated regime. <i>Science</i> , 2020, 368, 67-71.	12.6	183
26	Characterization of the Ryugu surface by means of the variability of the near-infrared spectral slope in NIRS3 data. <i>Icarus</i> , 2020, 351, 113959.	2.5	9
27	Multivariable statistical analysis of spectrophotometry and spectra of (162173) Ryugu as observed by JAXA Hayabusa2 mission. <i>Astronomy and Astrophysics</i> , 2019, 629, A13.	5.1	15
28	Updated inflight calibration of Hayabusa2's optical navigation camera (ONC) for scientific observations during the cruise phase. <i>Icarus</i> , 2019, 325, 153-195.	2.5	48
29	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. <i>Science</i> , 2019, 364, 272-275.	12.6	262
30	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top-shaped rubble pile. <i>Science</i> , 2019, 364, 268-272.	12.6	410
31	Hyperspectral FTIR imaging of irradiated carbonaceous meteorites. <i>Planetary and Space Science</i> , 2018, 158, 38-45.	1.7	12
32	NIRS3: The Near Infrared Spectrometer on Hayabusa2. <i>Space Science Reviews</i> , 2017, 208, 317-337.	8.1	60
33	Thermal Infrared Imaging Experiments of C-Type Asteroid 162173 Ryugu on Hayabusa2. <i>Space Science Reviews</i> , 2017, 208, 255-286.	8.1	64
34	Hayabusa2: Scientific importance of samples returned from C-type near-Earth asteroid (162173) 1999 JU3. <i>Geochemical Journal</i> , 2014, 48, 571-587.	1.0	103
35	Rotational characterization of Hayabusa II target Asteroid (162173) 1999 JU3. <i>Icarus</i> , 2013, 224, 24-31.	2.5	57
36	Image Search System for Data Sets of Small Body Exploration with a 3D Polygon Shape Model. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2012, 10, Tk_7-Tk_14.	0.2	0

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37	The widespread occurrence of high-calcium pyroxene in bright-ray craters on the Moon and implications for lunar-crust composition. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	18
38	Lunar photometric properties at wavelengths 0.5–1.6 μ m acquired by SELENE Spectral Profiler and their dependency on local albedo and latitudinal zones. <i>Icarus</i> , 2011, 215, 639-660.	2.5	86
39	Ultramafic impact melt sheet beneath the South Pole–Aitken basin on the Moon. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	61
40	Developing space weathering on the asteroid 25143 Itokawa. <i>Nature</i> , 2006, 443, 56-58.	27.8	97