

# Yukio Yamamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,321  
citations

394421

19  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1268  
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	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
5	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
6	Collisional history of Ryugu's parent body from bright surface boulders. <i>Nature Astronomy</i> , 2021, 5, 39-45.	10.1	42
7	Thermally altered subsurface material of asteroid (162173) Ryugu. <i>Nature Astronomy</i> , 2021, 5, 246-250.	10.1	47
8	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. <i>Nature Astronomy</i> , 2021, 5, 766-774.	10.1	30
9	Geometric correction for thermographic images of asteroid 162173 Ryugu by TIR (thermal infrared) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	1
10	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. <i>Nature Communications</i> , 2021, 12, 5837.	12.8	23
11	The spatial distribution of impact craters on Ryugu. <i>Icarus</i> , 2020, 338, 113527.	2.5	25
12	Improving Hayabusa2 trajectory by combining LIDAR data and a shape model. <i>Icarus</i> , 2020, 338, 113574.	2.5	16
13	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	17
14	Motion reconstruction of the small carry-on impactor aboard Hayabusa2. <i>Astrodynamics</i> , 2020, 4, 289-308.	2.4	7
15	Hayabusa2's station-keeping operation in the proximity of the asteroid Ryugu. <i>Astrodynamics</i> , 2020, 4, 349-375.	2.4	19
16	Global photometric properties of (162173) Ryugu. <i>Astronomy and Astrophysics</i> , 2020, 639, A83.	5.1	37
17	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. <i>Science</i> , 2020, 368, 654-659.	12.6	158
18	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. <i>Icarus</i> , 2020, 348, 113835.	2.5	48

#	ARTICLE	IF	CITATIONS
19	Highly porous nature of a primitive asteroid revealed by thermal imaging. <i>Nature</i> , 2020, 579, 518-522.	27.8	100
20	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
21	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
22	Dynamic precise orbit determination of Hayabusa2 using laser altimeter (LIDAR) and image tracking data sets. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	11
23	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
24	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. <i>Science</i> , 2019, 364, 272-275.	12.6	262
25	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top-shaped rubble pile. <i>Science</i> , 2019, 364, 268-272.	12.6	410
26	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. <i>Science</i> , 2019, 364, 252.	12.6	313
27	Initial inflight calibration for Hayabusa2 optical navigation camera (ONC) for science observations of asteroid Ryugu. <i>Icarus</i> , 2018, 300, 341-359.	2.5	56
28	Absolute calibration of brightness temperature of the Venus disk observed by the Longwave Infrared Camera onboard Akatsuki. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	21
29	Scientific Data Archives in Hayabusa2 Mission. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2016, 14, Pk_151-Pk_154.	0.2	2
30	SOM-Based Visualization for Classifying Large-Scale Sensing Data of Moonquakes. , 2013, , .		1
31	Current status of X-ray spectrometer development in the SELENE project. <i>Advances in Space Research</i> , 2008, 42, 305-309.	2.6	6
32	Sulfur abundance of asteroid 25143 Itokawa observed by X-ray fluorescence spectrometer onboard Hayabusa. <i>Earth, Planets and Space</i> , 2008, 60, 21-31.	2.5	8
33	Instrumentation and performance evaluation of the XRS on SELENE orbiter. <i>Earth, Planets and Space</i> , 2008, 60, 277-281.	2.5	13
34	X-ray Fluorescence Spectrometry of Asteroid Itokawa by Hayabusa. <i>Science</i> , 2006, 312, 1338-1341.	12.6	99
35	INSTRUMENTATION AND OBSERVATIONS OF THE X-RAY SPECTROMETER ONBOARD HAYABUSA. , 2006, , 231-240.		2
36	X-ray fluorescence/diffraction analyzer for the SELENE-B lander/rover mission. <i>Advances in Space Research</i> , 2003, 31, 2363-2367.	2.6	9

#	ARTICLE	IF	CITATIONS
37	Elemental mapping of asteroid 1989ML from MUSES-C orbiter. <i>Advances in Space Research</i> , 2002, 29, 1237-1242.	2.6	3
38	Lunar X-ray spectrometer experiment on the SELENE mission. <i>Advances in Space Research</i> , 2002, 30, 1909-1914.	2.6	11