Naoko Ogawa

List of Publications by Year
in descending order

48 papers	2,388 citations	361413 20 h-index	315739 38 g-index
49 all docs	49 docs citations	49 times ranked	1203 citing authors

#	Article	IF	Citations
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, .	12.6	97
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	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. Nature Astronomy, 2022, 6, 214-220.	10.1	136
4	Controlled descent of Hayabusa2 to Ryugu. , 2022, , 177-187.		0
5	Target markers for image-based autonomous navigation. , 2022, , 341-357.		1
6	GNC design and results of Hayabusa2â€™s initial remote sensing operations. , 2022, , 137-175.		0
7	Sensitivity degradation of optical navigation camera and attempts for dust removal. , 2022, , 415-431.		1
8	Hayabusa2 radio science investigation. , 2022, , 387-399.		0
9	MASCOT lander release operation. , 2022, , 229-240.		0
10	Overview of the Hayabusa2 asteroid proximity operations. , 2022, , 113-136.		1
11	Hayabusa2â€™s kinetic impact experiment. , 2022, , 291-312.		0
12	Site selection for the Hayabusa2 artificial cratering and subsurface material sampling on Ryugu. Planetary and Space Science, 2022, 219, 105519.	1.7	4
13	Ballistic deployment of the Hayabusa2 artificial landmarks in the microgravity environment of Ryugu. Icarus, 2021, 358, 114220.	2.5	13
14	Collisional history of Ryuguâ€™s parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
15	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
16	Alignment determination of the Hayabusa2 laser altimeter (LIDAR). Earth, Planets and Space, 2021, 73, .	2.5	3
17	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
18	Hayabusa2 pinpoint touchdown near the artificial crater on Ryugu: Trajectory design and guidance performance. Advances in Space Research, 2021, 68, 3093-3140.	2.6	9

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19	Science operation plan of Phobos and Deimos from the MMX spacecraft. Earth, Planets and Space, 2021, 73, .	2.5	22
20	The spatial distribution of impact craters on Ryugu. Icarus, 2020, 338, 113527.	2.5	25
21	Improving Hayabusa2 trajectory by combining LIDAR data and a shape model. Icarus, 2020, 338, 113574.	2.5	16
22	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. Space Science Reviews, 2020, 216, 1.	8.1	17
23	Motion reconstruction of the small carry-on impactor aboard Hayabusa2. Astrodynamics, 2020, 4, 289-308.	2.4	7
24	Hayabusa2â€™s station-keeping operation in the proximity of the asteroid Ryugu. Astrodynamics, 2020, 4, 349-375.	2.4	19
25	The deep-space multi-object orbit determination system and its application to Hayabusa2â€™s asteroid proximity operations. Astrodynamics, 2020, 4, 377-392.	2.4	19
26	Guidance, navigation, and control of Hayabusa2 touchdown operations. Astrodynamics, 2020, 4, 393-409.	2.4	25
27	Ground-based low altitude hovering technique of Hayabusa2. Astrodynamics, 2020, 4, 331-347.	2.4	4
28	Hayabusa2â€™s superior solar conjunction mission operations: planning and post-operation results. Astrodynamics, 2020, 4, 265-288.	2.4	10
29	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
30	Hayabusa2 spacecraft dynamics and operational design of final descent and touchdown in sampling mission. , 2020, , .		1
31	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. Icarus, 2020, 348, 113835.	2.5	48
32	Rendezvous to asteroid with highly uncertain ephemeris: Hayabusa2â€™s Ryugu-approach operation result. Astrodynamics, 2020, 4, 137-147.	2.4	20
33	Design and flight results of GNC systems in Hayabusa2 descent operations. Astrodynamics, 2020, 4, 105-117.	2.4	19
34	Design and Reconstruction of the Hayabusa2 Precision Landing on Ryugu. Journal of Spacecraft and Rockets, 2020, 57, 1033-1060.	1.9	20
35	Modeling and analysis of Hayabusa2 touchdown. Astrodynamics, 2020, 4, 119-135.	2.4	30
36	Hayabusa2's kinetic impact experiment: Operational planning and results. Acta Astronautica, 2020, 175, 362-374.	3.2	14

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37	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
38	An artificial impact on the asteroid (162173) Ryugu formed a crater in the gravity-dominated regime. Science, 2020, 368, 67-71.	12.6	183
39	Image-based autonomous navigation of Hayabusa2 using artificial landmarks: The design and brief in-flight results of the first landing on asteroid Ryugu. Astrodynamics, 2020, 4, 89-103.	2.4	34
40	GNC strategies and flight results of Hayabusa2 first touchdown operation. Acta Astronautica, 2020, 174, 131-147.	3.2	19
41	Dynamic precise orbit determination of Hayabusa2 using laser altimeter (LIDAR) and image tracking data sets. Earth, Planets and Space, 2020, 72, .	2.5	11
42	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. Science, 2019, 364, 272-275.	12.6	262
43	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryuguâ€”A spinning topâ€“shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
44	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
45	Mission analysis for the Martian Moons Explorer (MMX) mission. Acta Astronautica, 2018, 146, 409-417.	3.2	53
46	Initial inflight calibration for Hayabusa2 optical navigation camera (ONC) for science observations of asteroid Ryugu. Icarus, 2018, 300, 341-359.	2.5	56
47	Laser link experiment with the Hayabusa2 laser altimeter for in-flight alignment measurement. Earth, Planets and Space, 2017, 69, .	2.5	10
48	Shadow-Based Trajectory Estimation of a Deployable Payload. Journal of Spacecraft and Rockets, 0, , 1-11.	1.9	0