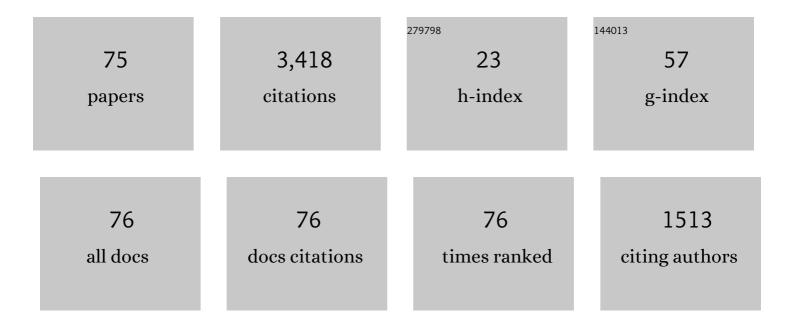
List of Publications by Year in descending order

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Ушені Тепрл

#	Article	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, .	12.6	97
2	Autonomous image-based navigation using vector code correlation algorithm for distant small body exploration. Acta Astronautica, 2022, 196, 400-413.	3.2	2
3	Ejecta models for particles generated by small kinetic impactors onto asteroid surfaces. , 2022, , .		0
4	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	12.6	78
5	Three-axial shape distributions of pebbles, cobbles and boulders smaller than a few meters on asteroid Ryugu. Icarus, 2022, 381, 115007.	2.5	1
6	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. Nature Astronomy, 2022, 6, 214-220.	10.1	136
7	First compositional analysis of Ryugu samples by the MicrOmega hyperspectral microscope. Nature Astronomy, 2022, 6, 221-225.	10.1	65
8	Mission objectives, planning, and achievements of Hayabusa2. , 2022, , 5-23.		3
9	Orbit determination for Hayabusa2. , 2022, , 73-94.		0
10	Extended mission of Hayabusa2. , 2022, , 557-571.		1
11	Target markers for image-based autonomous navigation. , 2022, , 341-357.		1
12	GNC design and results of Hayabusa2's initial remote sensing operations. , 2022, , 137-175.		0
13	Sensitivity degradation of optical navigation camera and attempts for dust removal. , 2022, , 415-431.		1
14	Hayabusa2 radio science investigation. , 2022, , 387-399.		0
15	MASCOT lander release operation. , 2022, , 229-240.		0
16	Overview of the Hayabusa2 asteroid proximity operations. , 2022, , 113-136.		1
17	Landing site selection for the Hayabusa2 mission: Pre-arrival training and post-arrival analyses. , 2022, , 189-208.		0
18	Hayabusa2's kinetic impact experiment. , 2022, , 291-312.		0

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19	Site selection for the Hayabusa2 artificial cratering and subsurface material sampling on Ryugu. Planetary and Space Science, 2022, 219, 105519.	1.7	4
20	NIRS3 spectral analysis of the artificial Omusubi-Kororin crater on Ryugu. Monthly Notices of the Royal Astronomical Society, 2022, 514, 6173-6182.	4.4	1
21	Rotational effect as the possible cause of the east-west asymmetric crater rims on Ryugu observed by LIDAR data. Icarus, 2021, 354, 114073.	2.5	5
22	Ballistic deployment of the Hayabusa2 artificial landmarks in the microgravity environment of Ryugu. Icarus, 2021, 358, 114220.	2.5	13
23	Collisional history of Ryugu's parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
24	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
25	Attitude reconstruction of MASCOT lander during its descent and stay on asteroid (162173) Ryugu. Planetary and Space Science, 2021, 195, 105150.	1.7	3
26	Alignment determination of the Hayabusa2 laser altimeter (LIDAR). Earth, Planets and Space, 2021, 73, .	2.5	3
27	Simulation of Seismic Wave Propagation on Asteroid Ryugu Induced by The Impact Experiment of The Hayabusa2 Mission: Limited Mass Transport by Low Yield Strength of Porous Regolith. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006594.	3.6	8
28	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
29	The MASCOT lander aboard Hayabusa2: The in-situ exploration of NEA (162173) Ryugu. Planetary and Space Science, 2021, 200, 105200.	1.7	18
30	Hayabusa2 extended mission: New voyage to rendezvous with a small asteroid rotating with a short period. Advances in Space Research, 2021, 68, 1533-1555.	2.6	20
31	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
32	Frozen Orbits Under Radiation Pressure and Zonal Gravity Perturbations. Journal of Guidance, Control, and Dynamics, 2021, 44, 1924-1946.	2.8	2
33	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
34	Hayabusa2 operation for MASCOT delivery to Ryugu surface. Planetary and Space Science, 2021, 205, 105288.	1.7	3
35	High-resolution observations of bright boulders on asteroid Ryugu: 1. Size frequency distribution and morphology. Icarus, 2021, 369, 114529.	2.5	2
36	High-resolution observations of bright boulders on asteroid Ryugu: 2. Spectral properties. Icarus, 2021, 369, 114591.	2.5	5

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37	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23
38	The spatial distribution of impact craters on Ryugu. Icarus, 2020, 338, 113527.	2.5	25
39	Frozen Orbits under Radiation Pressure and Zonal Gravity Perturbations. , 2020, , .		1
40	Improving Hayabusa2 trajectory by combining LIDAR data and a shape model. Icarus, 2020, 338, 113574.	2.5	16
41	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. Space Science Reviews, 2020, 216, 1.	8.1	17
42	Motion reconstruction of the small carry-on impactor aboard Hayabusa2. Astrodynamics, 2020, 4, 289-308.	2.4	7
43	Hayabusa2's station-keeping operation in the proximity of the asteroid Ryugu. Astrodynamics, 2020, 4, 349-375.	2.4	19
44	The deep-space multi-object orbit determination system and its application to Hayabusa2's asteroid proximity operations. Astrodynamics, 2020, 4, 377-392.	2.4	19
45	Hayabusa2's Superior Solar Conjunction Phase. Space Science Reviews, 2020, 216, 1.	8.1	7
46	Guidance, navigation, and control of Hayabusa2 touchdown operations. Astrodynamics, 2020, 4, 393-409.	2.4	25
47	Ground-based low altitude hovering technique of Hayabusa2. Astrodynamics, 2020, 4, 331-347.	2.4	4
48	Hayabusa2's superior solar conjunction mission operations: planning and post-operation results. Astrodynamics, 2020, 4, 265-288.	2.4	10
49	The process for the selection of MASCOT landing site on Ryugu: Design, execution and results. Planetary and Space Science, 2020, 194, 105086.	1.7	6
50	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
51	Hayabusa2 spacecraft dynamics and operational design of final descent and touchdown in sampling mission. , 2020, , .		1
52	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. Icarus, 2020, 348, 113835.	2.5	48
53	Rendezvous to asteroid with highly uncertain ephemeris: Hayabusa2's Ryugu-approach operation result. Astrodynamics, 2020, 4, 137-147.	2.4	20
54	Simultaneous estimation of spacecraft position and asteroid diameter during final approach of Hayabusa2 to Ryugu. Astrodynamics, 2020, 4, 163-175.	2.4	7

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55	Design and flight results of GNC systems in Hayabusa2 descent operations. Astrodynamics, 2020, 4, 105-117.	2.4	19
56	Design and Reconstruction of the Hayabusa2 Precision Landing on Ryugu. Journal of Spacecraft and Rockets, 2020, 57, 1033-1060.	1.9	20
57	Modeling and analysis of Hayabusa2 touchdown. Astrodynamics, 2020, 4, 119-135.	2.4	30
58	Hayabusa2's kinetic impact experiment: Operational planning and results. Acta Astronautica, 2020, 175, 362-374.	3.2	14
59	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
60	An artificial impact on the asteroid (162173) Ryugu formed a crater in the gravity-dominated regime. Science, 2020, 368, 67-71.	12.6	183
61	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
62	Characterization of the Ryugu surface by means of the variability of the near-infrared spectral slope in NIRS3 data. Icarus, 2020, 351, 113959.	2.5	9
63	Hayabusa2 mission status: Landing, roving and cratering on asteroid Ryugu. Acta Astronautica, 2020, 171, 42-54.	3.2	111
64	GNC strategies and flight results of Hayabusa2 first touchdown operation. Acta Astronautica, 2020, 174, 131-147.	3.2	19
65	Dynamic precise orbit determination of Hayabusa2 using laser altimeter (LIDAR) and image tracking data sets. Earth, Planets and Space, 2020, 72, .	2.5	11
66	Initial Achievements of Hayabusa2 in Asteroid Proximity Phase. Transactions of the Japan Society for Aeronautical and Space Sciences, 2020, 63, 115-123.	0.7	2
67	Images from the surface of asteroid Ryugu show rocks similar to carbonaceous chondrite meteorites. Science, 2019, 365, 817-820.	12.6	99
68	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
69	Boulder size and shape distributions on asteroid Ryugu. Icarus, 2019, 331, 179-191.	2.5	107
70	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. Science, 2019, 364, 272-275.	12.6	262
71	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top–shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
72	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313

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73	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
74	Hayabusa2 Mission Overview. Space Science Reviews, 2017, 208, 3-16.	8.1	228
75	System design of the Hayabusa 2—Asteroid sample return mission to 1999 JU3. Acta Astronautica, 2013, 91, 356-362.	3.2	364