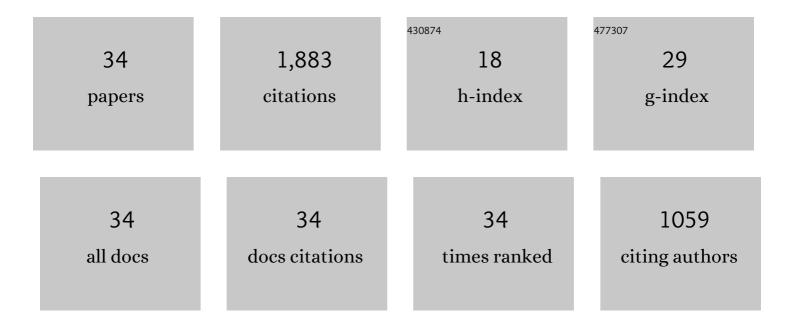
Shota Kikuchi

List of Publications by Year in descending order

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SHOTA KIKUCHI

#	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	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	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. Nature Astronomy, 2022, 6, 214-220.	10.1	136
5	Extended mission of Hayabusa2. , 2022, , 557-571.		1
6	GNC design and results of Hayabusa2's initial remote sensing operations. , 2022, , 137-175.		0
7	Hayabusa2 radio science investigation. , 2022, , 387-399.		0
8	Landing site selection for the Hayabusa2 mission: Pre-arrival training and post-arrival analyses. , 2022, , 189-208.		0
9	Site selection for the Hayabusa2 artificial cratering and subsurface material sampling on Ryugu. Planetary and Space Science, 2022, 219, 105519.	1.7	4
10	Ballistic deployment of the Hayabusa2 artificial landmarks in the microgravity environment of Ryugu. Icarus, 2021, 358, 114220.	2.5	13
11	Collisional history of Ryugu's parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
12	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
13	Alignment determination of the Hayabusa2 laser altimeter (LIDAR). Earth, Planets and Space, 2021, 73, .	2.5	3
14	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
15	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
16	Frozen Orbits Under Radiation Pressure and Zonal Gravity Perturbations. Journal of Guidance, Control, and Dynamics, 2021, 44, 1924-1946.	2.8	2
17	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
18	The spatial distribution of impact craters on Ryugu. Icarus, 2020, 338, 113527.	2.5	25

SHOTA КІКИСНІ

#	Article	IF	CITATIONS
19	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. Space Science Reviews, 2020, 216, 1.	8.1	17
20	Hayabusa2's station-keeping operation in the proximity of the asteroid Ryugu. Astrodynamics, 2020, 4, 349-375.	2.4	19
21	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
22	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
23	Thermophysical properties of the surface of asteroid 162173 Ryugu: Infrared observations and thermal inertia mapping. Icarus, 2020, 348, 113835.	2.5	48
24	Rendezvous to asteroid with highly uncertain ephemeris: Hayabusa2's Ryugu-approach operation result. Astrodynamics, 2020, 4, 137-147.	2.4	20
25	Design and Reconstruction of the Hayabusa2 Precision Landing on Ryugu. Journal of Spacecraft and Rockets, 2020, 57, 1033-1060.	1.9	20
26	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
27	An artificial impact on the asteroid (162173) Ryugu formed a crater in the gravity-dominated regime. Science, 2020, 368, 67-71.	12.6	183
28	GNC strategies and flight results of Hayabusa2 first touchdown operation. Acta Astronautica, 2020, 174, 131-147.	3.2	19
29	Asteroid de-spin and deflection strategy using a solar-sail spacecraft with reflectivity control devices. Acta Astronautica, 2019, 156, 375-386.	3.2	8
30	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top–shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
31	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
32	Stability Analysis of Coupled Orbit–Attitude Dynamics Around Asteroids Using Finite-Time Lyapunov Exponents. Journal of Guidance, Control, and Dynamics, 2019, 42, 1289-1305.	2.8	12
33	Orbit-attitude coupled motion around small bodies: Sun-synchronous orbits with Sun-tracking attitude motion. Acta Astronautica, 2017, 140, 34-48.	3.2	29
34	Shadow-Based Trajectory Estimation of a Deployable Payload. Journal of Spacecraft and Rockets, 0, , 1-11.	1.9	0