Hidehiko Suzuki

List of Publications by Year
in descending order

43 papers	1,974 citations	430874 18 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	1206 citing authors

#	Article	IF	Citations
1	Relationship between topography, tropospheric wind, and frequency of mountain waves in the upper mesosphere over the Kanto area of Japan. Earth, Planets and Space, 2022, 74, .	2.5	0
2	Resurfacing processes constrained by crater distribution on Ryugu. Icarus, 2022, 377, 114911.	2.5	6
3	Capability of airline jets as an observation platform for noctilucent clouds at middle latitudes. Progress in Earth and Planetary Science, 2022, 9, 11.	3.0	1
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	Detection of Polar Mesospheric Clouds Utilizing Himawariâ€8/AHI Fullâ€Disk Images. Earth and Space Science, 2022, 9, .	2.6	0
7	Crater depth-to-diameter ratios on asteroid 162173 Ryugu. Icarus, 2021, 354, 114016.	2.5	12
8	Collisional history of Ryuguâ€™s parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
9	Thermally altered subsurface material of asteroid (162173) Ryugu. Nature Astronomy, 2021, 5, 246-250.	10.1	47
10	Alignment determination of the Hayabusa2 laser altimeter (LIDAR). Earth, Planets and Space, 2021, 73, .	2.5	3
11	Post-arrival calibration of Hayabusa2's optical navigation cameras (ONCs): Severe effects from touchdown events. Icarus, 2021, 360, 114353.	2.5	11
12	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. Nature Astronomy, 2021, 5, 766-774.	10.1	30
13	Improved method of hydrous mineral detection by latitudinal distribution of 0.7-Î¼m surface reflectance absorption on the asteroid Ryugu. Icarus, 2021, 360, 114348.	2.5	9
14	Geologic History and Crater Morphology of Asteroid (162173) Ryugu. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006572.	3.6	10
15	Horizontal Movement of Polar Mesospheric Clouds observed from the Himawariâ€8 Geostationary Meteorological Satellite. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035081.	3.3	2
16	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
17	Opposition Observations of 162173 Ryugu: Normal Albedo Map Highlights Variations in Regolith Characteristics. Planetary Science Journal, 2021, 2, 177.	3.6	12
18	Development of image texture analysis technique for boulder distribution measurements: Applications to asteroids Ryugu and Itokawa. Planetary and Space Science, 2021, 204, 105249.	1.7	6

#	Article	IF	Citations
19	High-resolution observations of bright boulders on asteroid Ryugu: 1. Size frequency distribution and morphology. Icarus, 2021, 369, 114529.	2.5	2
20	High-resolution observations of bright boulders on asteroid Ryugu: 2. Spectral properties. Icarus, 2021, 369, 114591.	2.5	5
21	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23
22	The spatial distribution of impact craters on Ryugu. Icarus, 2020, 338, 113527.	2.5	25
23	Global photometric properties of (162173) Ryugu. Astronomy and Astrophysics, 2020, 639, A83.	5.1	37
24	Surface roughness of asteroid (162173) Ryugu and comet 67P/Churyumovâ€“Gerasimenko inferred fromin situobservations. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3178-3193.	4.4	11
25	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
26	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
27	Updated inflight calibration of Hayabusa2's optical navigation camera (ONC) for scientific observations during the cruise phase. Icarus, 2019, 325, 153-195.	2.5	48
28	Boulder size and shape distributions on asteroid Ryugu. Icarus, 2019, 331, 179-191.	2.5	107
29	The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. Science, 2019, 364, 272-275.	12.6	262
30	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryuguâ€”A spinning topâ€“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	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
33	The MASCOT landing area on asteroid (162173) Ryugu: Stereo-photogrammetric analysis using images of the ONC onboard the Hayabusa2 spacecraft. Astronomy and Astrophysics, 2019, 632, L4.	5.1	9
34	The descent and bouncing path of the Hayabusa2 lander MASCOT at asteroid (162173) Ryugu. Astronomy and Astrophysics, 2019, 632, L3.	5.1	18
35	Initial inflight calibration for Hayabusa2 optical navigation camera (ONC) for science observations of asteroid Ryugu. Icarus, 2018, 300, 341-359.	2.5	56
36	Initial report on polar mesospheric cloud observations by Himawari-8. Atmospheric Measurement Techniques, 2018, 11, 6163-6168.	3.1	5

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37	Historical space weather monitoring of prolonged aurora activities in Japan and in China. Space Weather, 2017, 15, 392-402.	3.7	14
38	Preflight Calibration Test Results for Optical Navigation Camera Telescope (ONC-T) Onboard the Hayabusa2 Spacecraft. Space Science Reviews, 2017, 208, 17-31.	8.1	81
39	Rayleigh/Raman lidar observations of gravity wave activity from 15 to 70Âkm altitude over Syowa (69Â°S,) Tj ETQq1 1 0.784314 rgBT	3.3	9
40	First imaging and identification of a noctilucent cloud from multiple sites in Hokkaido (43.2â€“44.4Â°N), Japan. Earth, Planets and Space, 2016, 68, .	2.5	12
41	Imaging-based observations of low-latitude auroras during 2001â€“2004 at Nayoro, Japan. Earth, Planets and Space, 2015, 67, .	2.5	7
42	Detectability of hydrous minerals using ONC-T camera onboard the Hayabusa2 spacecraft. Advances in Space Research, 2015, 56, 1519-1524.	2.6	21
43	Atmospheric gravity waves excited by a fireball meteor: Observations and modeling. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8583-8605.	3.3	2