Tatsuhiro Michikami

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	2,984 citations	279798 23 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	1610 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	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	On the origin and evolution of the asteroid Ryugu: A comprehensive geochemical perspective. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 227-282.	3.8	77
6	Site selection for the Hayabusa2 artificial cratering and subsurface material sampling on Ryugu. Planetary and Space Science, 2022, 219, 105519.	1.7	4
7	Collisional history of Ryuguâ€™s parent body from bright surface boulders. Nature Astronomy, 2021, 5, 39-45.	10.1	42
8	Boulder sizes and shapes on asteroids: A comparative study of Eros, Itokawa and Ryugu. Icarus, 2021, 357, 114282.	2.5	22
9	Geologic History and Crater Morphology of Asteroid (162173) Ryugu. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006572.	3.6	10
10	Opposition Observations of 162173 Ryugu: Normal Albedo Map Highlights Variations in Regolith Characteristics. Planetary Science Journal, 2021, 2, 177.	3.6	12
11	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
12	High-resolution observations of bright boulders on asteroid Ryugu: 1. Size frequency distribution and morphology. Icarus, 2021, 369, 114529.	2.5	2
13	High-resolution observations of bright boulders on asteroid Ryugu: 2. Spectral properties. Icarus, 2021, 369, 114591.	2.5	5
14	Hayabusa2 Landing Site Selection: Surface Topography of Ryugu and Touchdown Safety. Space Science Reviews, 2020, 216, 1.	8.1	17
15	Macroporosity and Grain Density of Rubble Pile Asteroid (162173) Ryugu. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006519.	3.6	27
16	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
17	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
18	Three-dimensional imaging of crack growth in L chondrites after high-velocity impact experiments. Planetary and Space Science, 2019, 177, 104690.	1.7	5

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19	Boulder size and shape distributions on asteroid Ryugu. Icarus, 2019, 331, 179-191.	2.5	107
20	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryuguâ€"A spinning topâ€"shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
21	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
22	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
23	Shape and Rotational Motion Models for Tumbling and Monolithic Asteroid 2012 TC₄: High Time Resolution Light Curve with the Tomo-e Gozen Camera. Astronomical Journal, 2019, 157, 155.	4.7	2
24	Influence of petrographic textures on the shapes of impact experiment fine fragments measuring several tens of microns: Comparison with Itokawa regolith particles. Icarus, 2018, 302, 109-125.	2.5	17
25	Asteroid Ryugu before the Hayabusa2 encounter. Progress in Earth and Planetary Science, 2018, 5, .	3.0	39
26	Physical, Chemical, and Petrological Characteristics of Chondritic Materials and Their Relationships to Small Solar System Bodies. , 2018, , 59-204.		7
27	Oblique impact cratering experiments in brittle targets: Implications for elliptical craters on the Moon. Planetary and Space Science, 2017, 135, 27-36.	1.7	11
28	Anisotropic Ejection from Active Asteroid P/2010 A2: An Implication of Impact Shattering on an Asteroid[*]. Astronomical Journal, 2017, 153, 228.	4.7	20
29	Detection of Intact Lava Tubes at Marius Hills on the Moon by SELENE (Kaguya) Lunar Radar Sounder. Geophysical Research Letters, 2017, 44, 10,155.	4.0	62
30	Mission Concepts of Unprecedented Zipangu Underworld of the Moon Exploration (UZUME) Project. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pk_147-Pk_150.	0.2	5
31	Fragment shapes in impact experiments ranging from cratering to catastrophic disruption. Icarus, 2016, 264, 316-330.	2.5	43
32	Impact cratering experiments in brittle targets with variable thickness: Implications for deep pit craters on Mars. Planetary and Space Science, 2014, 96, 71-80.	1.7	5
33	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	12.6	249
34	The shape distribution of boulders on Asteroid 25143 Itokawa: Comparison with fragments from impact experiments. Icarus, 2010, 207, 277-284.	2.5	52
35	A survey of possible impact structures on 25143 Itokawa. Icarus, 2009, 200, 486-502.	2.5	75
36	Impact process of boulders on the surface of asteroid 25143 Itokawaâ€"fragments from collisional disruption. Earth, Planets and Space, 2008, 60, 7-12.	2.5	36

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37	Size-frequency statistics of boulders on global surface of asteroid 25143 Itokawa. Earth, Planets and Space, 2008, 60, 13-20.	2.5	121
38	Regolith Migration and Sorting on Asteroid Itokawa. Science, 2007, 316, 1011-1014.	12.6	271
39	Ejecta velocity distribution for impact cratering experiments on porous and low strength targets. Planetary and Space Science, 2007, 55, 70-88.	1.7	58
40	Detailed Images of Asteroid 25143 Itokawa from Hayabusa. Science, 2006, 312, 1341-1344.	12.6	234
41	Ejecta size-velocity relation derived from the distribution of the secondary craters of kilometer-sized craters on Mars. Planetary and Space Science, 2004, 52, 1103-1108.	1.7	13