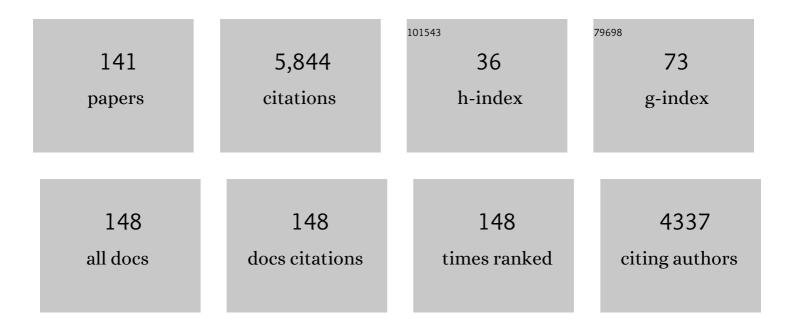
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The volcanology of Idunn Mons, Venus: The complex evolution of a possible active volcano. Journal of Volcanology and Geothermal Research, 2022, 421, 107428.	2.1	7
2	Recent boulder falls within the Finsen crater on the lunar far side: An assessment of the possible triggering rationale. Icarus, 2022, 377, 114904.	2.5	5
3	Utilization of the VoronoÃ⁻ tessellation for improved planetary age determination: A case study of a large rampart crater in Thaumasia Planum (Mars). Planetary and Space Science, 2022, 217, 105503.	1.7	1
4	Large-Scale and Deep-Seated Gravitational Slope Deformations on Mars: A Review. Geosciences (Switzerland), 2021, 11, 174.	2.2	5
5	The Geologically Supervised Spectral Investigation as a Key Methodology for Identifying Volcanically Active Areas on Venus. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006909.	3.6	7
6	Ryugu's observed volatile loss did not arise from impact heating alone. Communications Earth & Environment, 2021, 2, .	6.8	5
7	The Young Volcanic Rises on Venus: a Key Scientific Target for Future Orbital and in-situ Measurements on Venus. Solar System Research, 2021, 55, 315-323.	0.7	9
8	Evidence of regionally distributed tectonoâ€volcanism in a floor fractured crater of Northâ€Central Arabia Terra, Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006748.	3.6	0
9	ldunn Mons: Evidence for Ongoing Volcano-tectonic Activity and Atmospheric Implications on Venus. Planetary Science Journal, 2021, 2, 215.	3.6	10
10	Thermodynamics of Shock Vaporization/Devolatilization of Volatile-Bearing Rocks and its Experimental Investigation. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2021, 31, 140-148.	0.0	0
11	Middle and Late Quaternary glacial lake-outburst floods, drainage diversions and reorganization of fluvial systems in northwestern Eurasia. Earth-Science Reviews, 2020, 201, 103069.	9.1	34
12	Sample collection from asteroid (162173) Ryugu by Hayabusa2: Implications for surface evolution. Science, 2020, 368, 654-659.	12.6	158
13	Local stratigraphic relations at Sandel crater, Venus: Possible evidence for recent volcano-tectonic activity in Imdr Regio. Earth and Planetary Science Letters, 2020, 546, 116410.	4.4	10
14	Nature park establishment and environmental conflicts in coastal areas: The case of the Costa Teatina National Park in central Italy. Ocean and Coastal Management, 2019, 182, 104947.	4.4	8
15	Shock Vaporization/Devolatilization of Evaporitic Minerals, Halite and Gypsum, in an Open System Investigated by a Twoâ€6tage Light Gas Gun. Geophysical Research Letters, 2019, 46, 7258-7267.	4.0	4
16	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top–shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
17	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
18	The 1997 Mars Pathfinder Spacecraft Landing Site: Spillover Deposits from an Early Mars Inland Sea. Scientific Reports, 2019, 9, 4045.	3.3	9

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19	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
20	Timings of early crustal activity in southern highlands of Mars: Periods of crustal stretching and shortening. Geoscience Frontiers, 2019, 10, 1029-1037.	8.4	7
21	The Goshogake mud volcano field, Tohoku, northern Japan: An acidic, high-temperature system related to magmatic volcanism. Geomorphology, 2019, 329, 32-45.	2.6	3
22	Further evidence for an impact origin of the Tsenkher structure in the Gobi-Altai, Mongolia: geology of a 3.7 km crater with a well-preserved ejecta blanket. Geological Magazine, 2019, 156, 1-24.	1.5	16
23	The Polygonal Surface Structures in the Dalangtan Playa, Qaidam Basin, NW China: Controlling Factors for Their Formation and Implications for Analogous Martian Landforms. Journal of Geophysical Research E: Planets, 2018, 123, 1910-1933.	3.6	17
24	Morphometric analysis of a Hesperian aged Martian lobate scarp using high-resolution data. Journal of Structural Geology, 2018, 113, 1-9.	2.3	9
25	Geological Features and Evolution of Yardangs in the Qaidam Basin, Tibetan Plateau (NW China): A Terrestrial Analogue for Mars. Journal of Geophysical Research E: Planets, 2018, 123, 2336-2364.	3.6	23
26	Dynamique de la sédimentation à l'Holocène moyen et final et ses implications paléoclimatiques dans le bassin du lac Ulaan, sud de la Mongolie. Geomorphologie Relief, Processus, Environnement, 2018, 24, 351-363.	0.4	12
27	Climate-Driven Changes in Lake Areas for the Last Half Century in the Valley of Lakes, Govi Region, Southern Mongolia. Natural Science, 2018, 10, 263-277.	0.4	14
28	Spreading vs. Rifting as modes of extensional tectonics on the globally expanded Ganymede. Icarus, 2017, 288, 148-159.	2.5	10
29	Newly Discovered Ringâ€Moat Dome Structures in the Lunar Maria: Possible Origins and Implications. Geophysical Research Letters, 2017, 44, 9216-9224.	4.0	18
30	A new terrestrial analogue site for Mars research: The Qaidam Basin, Tibetan Plateau (NW China). Earth-Science Reviews, 2017, 164, 84-101.	9.1	76
31	Generic identification and classification of morphostructures in the Noachis-Sabaea region, southern highlands of Mars. Journal of Maps, 2017, 13, 755-766.	2.0	10
32	Pleistocene Lake Bonneville as an Analog for Extraterrestrial Lakes and Oceans. Developments in Earth Surface Processes, 2016, 20, 570-597.	2.8	3
33	Geomorphological View of the Environmental History of Mars and Candidate Habitable Environments. Journal of Geography (Chigaku Zasshi), 2016, 125, 171-184.	0.3	4
34	Small edifice features in Chryse Planitia, Mars: Assessment of a mud volcano hypothesis. Icarus, 2016, 268, 56-75.	2.5	43
35	Tsunami waves extensively resurfaced the shorelines of an early Martian ocean. Scientific Reports, 2016, 6, 25106.	3.3	121
36	Present-day aeolian activity in Herschel Crater, Mars. Icarus, 2016, 265, 139-148.	2.5	26

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37	The Argyre Region as a Prime Target for <i>in situ</i> Astrobiological Exploration of Mars. Astrobiology, 2016, 16, 143-158.	3.0	4
38	Catastrophic flooding, palaeolakes, and late Quaternary drainage reorganization in northern Eurasia. International Geology Review, 2016, 58, 1693-1722.	2.1	29
39	Large rock slides in impact craters on the Moon and Mercury. Icarus, 2015, 260, 289-300.	2.5	24
40	Characteristics of Erosional Morphology Formed by Tsunami Waves along the Sanriku Coast, Northeastern Japan. Journal of Geography (Chigaku Zasshi), 2015, 124, 241-258.	0.3	7
41	Sinuous Rille. , 2015, , 1957-1963.		1
42	Fluvial geomorphology on Earth-like planetary surfaces: A review. Geomorphology, 2015, 245, 149-182.	2.6	70
43	Jupiter ICY moon explorer (JUICE): Advances in the design of the radar for Icy Moons (RIME). , 2015, , .		29
44	Geomorphic imprints of repeated tsunami waves in a coastal valley in northeastern Japan. Geomorphology, 2015, 242, 3-10.	2.6	12
45	Geological and hydrological histories of the Argyre province, Mars. Icarus, 2015, 253, 66-98.	2.5	24
46	The evolution of gullies in steppe and forest-steppe landscapes of the Minusinskaya intermountain depression, Siberia: a case study in the central part of the Krasnoyarsk water reservoir. Physical Geography, 2015, 36, 305-321.	1.4	1
47	Outflow Channel (Venus). , 2015, , 1496-1498.		Ο
48	Valley Network (Venus). , 2015, , 2236-2239.		0
49	Canali (Venus). , 2015, , 212-217.		Ο
50	Amphitheater-Headed Valley (Venus). , 2015, , 71-73.		0
51	Canali (Venus). , 2014, , 1-8.		Ο
52	Amphitheater-Headed Valley (Venus). , 2014, , 1-3.		0
53	Models of Formation and Activity of Spring Mounds in the Mechertate-Chrita-Sidi El Hani System, Eastern Tunisia: Implications for the Habitability of Mars. Life, 2014, 4, 386-432.	2.4	10
54	Analysis of a new geomorphological inventory of landslides in Valles Marineris, Mars. Earth and Planetary Science Letters, 2014, 405, 156-168.	4.4	59

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55	Luminescence dating of scoria fall and lahar deposits from Somma–Vesuvius, Italy. Quaternary Geochronology, 2014, 20, 39-50.	1.4	14
56	Hydrodynamics of impact-induced tsunami over the Martian ocean. Planetary and Space Science, 2014, 95, 33-44.	1.7	16
57	A global inventory of central pit craters on the Moon: Distribution, morphology, and geometry. Icarus, 2014, 227, 195-201.	2.5	16
58	Groundwater influence on the aeolian sequence stratigraphy of the Mechertate–Chrita–Sidi El Hani system, Tunisian Sahel: Analogies to the wet–dry aeolian sequence stratigraphy at Meridiani Planum, Terby crater, and Gale crater, Mars. Planetary and Space Science, 2014, 95, 56-78.	1.7	15
59	Reprint of: Impact craters with ejecta flows and central pits on Mercury. Planetary and Space Science, 2014, 95, 103-119.	1.7	2
60	Drainage systems of Lonar Crater, India: Contributions to Lonar Lake hydrology and crater degradation. Planetary and Space Science, 2014, 95, 45-55.	1.7	36
61	Formation and geomorphologic history of the <scp>L</scp> onar impact crater deduced from in situ cosmogenic ¹⁰ <scp>B</scp> e and ²⁶ <scp>A</scp> l. Geochemistry, Geophysics, Geosystems, 2014, 15, 3190-3197.	2.5	16
62	Effects of Tsunami Wave Erosion on Natural Landscapes: Examples from the 2011 Tohoku-oki Tsunami. Advances in Natural and Technological Hazards Research, 2014, , 243-253.	1.1	3
63	Fluvio–Lacustrine Sedimentation and Tectonic Influence, Lunae Planum (Mars). Springer Geology, 2014, , 355-359.	0.3	0
64	Sinuous Rille. , 2014, , 1-9.		0
65	Valley Network (Venus). , 2014, , 1-4.		Ο
66	Impact craters with ejecta flows and central pits on Mercury. Planetary and Space Science, 2013, 82-83, 62-78.	1.7	33
67	RIME: Radar for Icy Moon Exploration. , 2013, , .		57
68	Methane on Mars. Journal of the Geological Society of Japan, 2012, 118, 664-674.	0.6	2
69	Outcrop investigation in Mars geology. Journal of the Geological Society of Japan, 2012, 118, VII-VIII.	0.6	0
70	The status of Mars exploration: the importance of terrestrial analogs and the role of geologists. Journal of the Geological Society of Japan, 2012, 118, 597-605.	0.6	1
71	GIS analyses of Martian satellite imageries and topographic data. Journal of the Geological Society of Japan, 2012, 118, 683-688.	0.6	1
72	A proposal for rover geological exploration on Mars. Journal of the Geological Society of Japan, 2012, 118, 606-617.	0.6	0

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73	Planetary geology and terrestrial analogs in Asia. Eos, 2012, 93, 164-164.	0.1	2
74	The comparative planetary geology of oceans, lakes and outflow channels on Mars. Journal of the Geological Society of Japan, 2012, 118, 618-631.	0.6	0
75	The influence of local topography for wind direction on Mars: two examples of dune fields in crater basins. Earth Surface Processes and Landforms, 2012, 37, 1437-1443.	2.5	25
76	Harmakhis Vallis Source Region, Mars: Insights into the recent geothermal history based on geological mapping. Planetary and Space Science, 2011, 59, 1179-1194.	1.7	9
77	Roles of methane and carbon dioxide in geological processes on Mars. Planetary and Space Science, 2011, 59, 169-181.	1.7	39
78	An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , .		11
79	Utah's geologic and geomorphic analogs to Mars—An overview for planetary exploration. , 2011, , .		4
80	Geomorphic knobs of Candor Chasma, Mars: New Mars Reconnaissance Orbiter data and comparisons to terrestrial analogs. Icarus, 2010, 205, 138-153.	2.5	26
81	Geophysical survey of the proposed Tsenkher impact structure, Gobi Altai, Mongolia. Meteoritics and Planetary Science, 2010, 45, 373-382.	1.6	4
82	Deformation band clusters on Mars and implications for subsurface fluid flow. Bulletin of the Geological Society of America, 2009, 121, 474-482.	3.3	47
83	New evidence for a magmatic influence on the origin of Valles Marineris, Mars. Journal of Volcanology and Geothermal Research, 2009, 185, 12-27.	2.1	31
84	Paleolakes, paleofloods, and depressions in Aurorae and Ophir Plana, Mars: Connectivity of surface and subsurface hydrological systems. Icarus, 2009, 201, 474-491.	2.5	30
85	Possible pingo fields in the Utopia basin, Mars: Geological and climatical implications. Icarus, 2009, 199, 49-74.	2.5	74
86	Depth profiles of venusian sinuous rilles and valley networks. Icarus, 2009, 199, 250-263.	2.5	34
87	Geological evolution of Ares Vallis on Mars: Formation by multiple events of catastrophic flooding, glacial and periglacial processes. Icarus, 2009, 202, 60-77.	2.5	55
88	GRS evidence and the possibility of paleooceans on Mars. Planetary and Space Science, 2009, 57, 664-684.	1.7	107
89	Quaternary paleolake formation and cataclysmic flooding along the upper Yenisei River. Geomorphology, 2009, 104, 143-164.	2.6	61
90	The search for life beyond Earth through fuzzy expert systems. Planetary and Space Science, 2008, 56, 448-472.	1.7	23

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91	Late Pleistocene glaciers in Darhad Basin, northern Mongolia. Quaternary Research, 2008, 69, 169-187.	1.7	73
92	Application of GIS to Geomorphological Research on Mars. Journal of Geography (Chigaku Zasshi), 2008, 117, 401-411.	0.3	3
93	Combinations of processes responsible for Martian impact crater "layered ejecta structures― emplacement. Journal of Geophysical Research, 2007, 112, .	3.3	67
94	Geomorphology of subglacial volcanoes in the Azas Plateau, the Tuva Republic, Russia. Geomorphology, 2007, 88, 312-328.	2.6	30
95	Origin of glacial–fluvial landforms in the Azas Plateau volcanic field, the Tuva Republic, Russia: Role of ice–magma interaction. Geomorphology, 2007, 88, 352-366.	2.6	12
96	Magnetometer survey of the proposed Sirente meteorite crater field, central Italy: Evidence for uplifted crater rims and buried meteorites. Meteoritics and Planetary Science, 2007, 42, 211-222.	1.6	7
97	Tier-Scalable Reconnaissance Missions For The Autonomous Exploration Of Planetary Bodies. , 2007, , .		32
98	Formation and disruption of aquifers in southwestern Chryse Planitia, Mars. Icarus, 2007, 191, 545-567.	2.5	38
99	Cataclysmic Scabland flooding: Insights from a simple depth-averaged numerical model. Environmental Modelling and Software, 2007, 22, 1400-1408.	4.5	23
100	Models of iron oxide concretion formation: field, numerical, and laboratory comparisons. Geofluids, 2007, 7, 356-368.	0.7	74
101	Rivers in the Solar System: Water Is Not the Only Fluid Flow on Planetary Bodies. Geography Compass, 2007, 1, 480-502.	2.7	28
102	Geological and geochemical data from the proposed Sirente crater field: New age dating and evidence for heating of target. Meteoritics and Planetary Science, 2006, 41, 1331-1345.	1.6	13
103	Headward growth of chasmata by volatile outbursts, collapse, and drainage: Evidence from Ganges chaos, Mars. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	27
104	The Tsenkher structure in the Gobi-Altai, Mongolia: Geomorphological hints of an impact origin. Geomorphology, 2006, 74, 164-180.	2.6	10
105	Numerical simulations of large-scale cataclysmic floodwater: A simple depth-averaged model and an illustrative application. Geomorphology, 2006, 76, 179-192.	2.6	34
106	Ultrastructural Study of Iron Oxide Precipitates: Implications for the Search for Biosignatures in the Meridiani Hematite Concretions, Mars. Astrobiology, 2006, 6, 527-545.	3.0	20
107	Outflow channel sources, reactivation, and chaos formation, Xanthe Terra, Mars. Icarus, 2005, 175, 36-57.	2.5	93
108	Four climate regimes on a land planet with wet surface: Effects of obliquity change and implications for ancient Mars. Icarus, 2005, 178, 27-39.	2.5	23

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109	Control of impact crater fracture systems on subsurface hydrology, ground subsidence, and collapse, Mars. Journal of Geophysical Research, 2005, 110, .	3.3	44
110	Red rock and red planet diagenesis: Comparisons of Earth and Mars concretions. GSA Today, 2005, 15, 4.	2.0	59
111	Red rock and red planet diagenesis: Comparisons of Earth and Mars concretions. CSA Today, 2005, 15, 4.	2.0	641
112	A possible terrestrial analogue for haematite concretions on Mars. Nature, 2004, 429, 731-734.	27.8	177
113	Ancient wet aeolian environments on Earth: clues to presence of fossil/live microorganisms on Mars. Icarus, 2004, 171, 39-53.	2.5	28
114	Geological features indicative of processes related to the hematite formation in Meridiani Planum and Aram Chaos, Mars: a comparison with diagenetic hematite deposits in southern Utah, USA. Icarus, 2004, 171, 295-316.	2.5	62
115	Interior layered deposits of Valles Marineris, Mars: analogous subice volcanism related to Baikal Rifting, Southern Siberia. Planetary and Space Science, 2004, 52, 167-187.	1.7	73
116	Diagenetic analogs to hematite regions on Mars: examples from Jurassic sandstones of southern Utah, USA. , 2004, , .		3
117	Hydrogeologic processes of large-scale tectonomagmatic complexes in Mongolia–southern Siberia and on Mars. Geology, 2004, 32, 325.	4.4	31
118	Displacement and delormalion of the sliding materials No.4. Journal of the Japan Landslide Society, 2004, 41, 430-433.	0.1	1
119	Mars Orbiter Camera observation of linear and curvilinear features in the Hellas basin: Indications for multiple processes of formation. Journal of Geophysical Research, 2003, 108, .	3.3	14
120	A catastrophe remembered: a meteorite impact of the fifth century AD in the Abruzzo, central Italy. Antiquity, 2003, 77, 313-320.	1.0	16
121	The Sirente crater field, Italy. Meteoritics and Planetary Science, 2002, 37, 1507-1521.	1.6	20
122	Valley networks on Venus. Geomorphology, 2001, 37, 225-240.	2.6	26
123	Paleoshoreline geomorphology of Böön Tsagaan Nuur, Tsagaan Nuur and Orog Nuur: the Valley of Lakes, Mongolia. Geomorphology, 2001, 39, 83-98.	2.6	79
124	The Channeled Scabland: Back to Bretz?: Comment and Reply. Geology, 2000, 28, 573.	4.4	19
125	Martian paleolacustrine environments and their geological constrains on drilling operations for exobiological research. Planetary and Space Science, 2000, 48, 1027-1034.	1.7	27
126	Exobiological implications of potential sedimentary deposits on Mars. Planetary and Space Science, 2000, 48, 1043-1052.	1.7	37

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127	The Channeled Scabland: Back to Bretz?: Comment and Reply. Geology, 2000, 28, 573-576.	4.4	0
128	Paleohydrology and flood geomorphology of Ares Vallis. Journal of Geophysical Research, 1997, 102, 4151-4160.	3.3	99
129	Channels in the Solar System. Planetary and Space Science, 1996, 44, 801-815.	1.7	34
130	Planetary Research as a Practical Way to Learn Geology and the Process of Science. Journal of Geoscience Education, 1996, 44, 262-265.	1.4	1
131	Plains Tectonism on Venus: Inferences from Canali Longitudinal Profiles. Icarus, 1994, 110, 275-286.	2.5	20
132	Meander properties of Venusian channels. Geology, 1994, 22, 67.	4.4	50
133	Venusian Channels and Valleys: Distribution and Volcanological Implications. Icarus, 1993, 102, 1-25.	2.5	100
134	The Volcanology of Venera and VEGA Landing Sites and the Geochemistry of Venus. Icarus, 1993, 103, 253-275.	2.5	80
135	An Unusual Spectral Unit in West Candor Chasma: Evidence for Aqueous or Hydrothermal Alteration in the Martian Canyons. Icarus, 1993, 106, 380-391.	2.5	44
136	Stratigraphy and erosional landforms of layered deposits in Valles Marineris, Mars. Journal of Geophysical Research, 1993, 98, 11105-11121.	3.3	65
137	Canaliâ€ŧype channels on Venus: Some genetic constraints. Geophysical Research Letters, 1992, 19, 1415-1418.	4.0	44
138	Channels and valleys on Venus: Preliminary analysis of Magellan data. Journal of Geophysical Research, 1992, 97, 13421-13444.	3.3	158
139	Ancient oceans, ice sheets and the hydrological cycle on Mars. Nature, 1991, 352, 589-594.	27.8	645
140	Formation of valleys and cataclysmic flood channels on Earth and Mars. , 0, , 297-321.		7
141	Playa environments on Earth: possible analogs for Mars. , 0, , 322-348.		10

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