

The subglacial birth of Olympus Mons and its aureoles

Journal of Geophysical Research

84, 8061-8074

DOI: [10.1029/jb084ib14p08061](https://doi.org/10.1029/jb084ib14p08061)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Volcanism on Mars. <i>Reviews of Geophysics</i> , 1981, 19, 13-41.	23.0	366
2	Ejecta emplacement and modes of formation of martian fluidized ejecta craters. <i>Icarus</i> , 1981, 45, 60-76.	2.5	76
3	On the original igneous source of Martian fines. <i>Icarus</i> , 1981, 45, 113-123.	2.5	64
4	Weathering of Mars: Antarctic analog studies. <i>Icarus</i> , 1981, 45, 231-249.	2.5	40
5	Mars and Earth: Comparison of cold-climate features. <i>Icarus</i> , 1981, 45, 264-303.	2.5	261
6	The geomorphology of Mars. <i>Progress in Physical Geography</i> , 1981, 5, 473-513.	3.2	35
7	Further evidence for a mass movement origin of the Olympus Mons aureole. <i>Journal of Geophysical Research</i> , 1982, 87, 9917-9928.	3.3	88
8	Subkilometer Martian volcanoes: Properties and possible terrestrial analogs. <i>Journal of Geophysical Research</i> , 1982, 87, 9867-9879.	3.3	107
9	Aureole deposits of the Martian volcano Olympus Mons. <i>Journal of Geophysical Research</i> , 1982, 87, 1164-1178.	3.3	119
10	Comment on "Aureole deposits of the Martian volcano Olympus Mons" by Elliot C. Morris. <i>Journal of Geophysical Research</i> , 1982, 87, 6692-6692.	3.3	1
11	Reply [to "Comment on "Aureole deposits of the Martian volcano Olympus Mons" by Elliot C. Morris"]. <i>Journal of Geophysical Research</i> , 1982, 87, 6693-6693.	3.3	0
12	The geology of the terrestrial planets. <i>Reviews of Geophysics</i> , 1983, 21, 160-172.	23.0	4
13	The Olympus Mons Aureole: Formation by gravitational spreading. <i>Journal of Geophysical Research</i> , 1983, 88, 8333-8344.	3.3	54
14	Elysium planitia, mars: Regional geology, volcanology, and evidence for volcano-ground ice interactions. <i>Earth, Moon and Planets</i> , 1984, 30, 149-173.	0.6	71
15	Origin of Guyots: The <i>Beagle</i> to <i>Seabeam</i> . <i>Journal of Geophysical Research</i> , 1984, 89, 11117-11123.	3.3	25
16	Ice-lubricated gravity spreading of the Olympus Mons aureole deposits. <i>Icarus</i> , 1985, 62, 191-206.	2.5	109
17	The stratigraphy of Mars. <i>Journal of Geophysical Research</i> , 1986, 91, E139.	3.3	484
18	Polar basal melting on Mars. <i>Journal of Geophysical Research</i> , 1987, 92, 9135-9152.	3.3	148

#	ARTICLE	IF	CITATIONS
19	Large-scale volcano-ground ice interactions on Mars. <i>Icarus</i> , 1987, 70, 385-408.	2.5	124
20	Polar wandering of Mars. <i>Icarus</i> , 1988, 73, 91-141.	2.5	223
21	Polygenic eruptions on Alba Patera, Mars. <i>Bulletin of Volcanology</i> , 1988, 50, 361-379.	3.0	81
22	Recent water release in the Tharsis region of Mars. <i>Icarus</i> , 1990, 84, 362-373.	2.5	69
23	Flank tectonics of Martian volcanoes. <i>Journal of Geophysical Research</i> , 1990, 95, 14345-14355.	3.3	33
24	Fault propagation folds induced by gravitational failure and slumping of the central Costa Rica Volcanic Range: Implications for large terrestrial and Martian volcanic edifices. <i>Journal of Geophysical Research</i> , 1990, 95, 14357-14382.	3.3	93
25	Chronology, Eruption Duration, and Atmospheric Contribution of the Martian Volcano Apollinaris Patera. <i>Icarus</i> , 1993, 104, 301-323.	2.5	108
26	A model for the hydrologic and climatic behavior of water on Mars. <i>Journal of Geophysical Research</i> , 1993, 98, 10973-11016.	3.3	620
27	Evidence of ancient continental glaciation in the Martian northern plains. <i>Journal of Geophysical Research</i> , 1995, 100, 5351.	3.3	168
28	Hydrothermal hydration of Martian crust: Illustration via geochemical model calculations. <i>Journal of Geophysical Research</i> , 1997, 102, 9135-9143.	3.3	72
29	The State and Future of Mars Polar Science and Exploration. <i>Icarus</i> , 2000, 144, 210-242.	2.5	109
30	Topographic Evidence for Geologically Recent Near-Polar Volcanism on Mars. <i>Icarus</i> , 2000, 145, 648-652.	2.5	49
31	Volcanism and Ice Interactions on Earth and Mars. , 2000, , 39-73.		30
32	Geomorphologic Evidence for Liquid Water. <i>Space Science Reviews</i> , 2001, 96, 333-364.	8.1	38
33	Water and the martian landscape. <i>Nature</i> , 2001, 412, 228-236.	27.8	536
34	Water Flows and Pools on Mars. <i>Solar System Research</i> , 2003, 37, 397-413.	0.7	0
35	New evidence for a volcanically, tectonically, and climatically active Mars. <i>Icarus</i> , 2004, 172, 573-581.	2.5	20
36	Lavaâ€”sediment interactions on Mars: evidence and consequences. , 2007, , 211-231.		0

#	ARTICLE	IF	CITATIONS
37	Context Camera Investigation on board the Mars Reconnaissance Orbiter. Journal of Geophysical Research, 2007, 112, .	3.3	953
38	Hydrovolcanic features on Mars: Preliminary observations from the first Mars year of HiRISE imaging. Icarus, 2010, 205, 211-229.	2.5	78
39	Formation constraints on Martian north polar volcanic edifices. Journal of Geophysical Research, 2010, 115, .	3.3	10
40	The aureole of Olympus Mons (Mars) as the compound deposit of submarine landslides. Earth and Planetary Science Letters, 2011, 312, 126-139.	4.4	55
41	An episodic slab-rollback model for the origin of the Tharsis rise on Mars: Implications for initiation of local plate subduction and final unification of a kinematically linked global plate-tectonic network on Earth. Lithosphere, 2012, 4, 553-593.	1.4	84
42	Conceptual model for the origin of the Olympus Mons cliffs, Mars: An essential influence of water?. Planetary and Space Science, 2012, 69, 105-110.	1.7	9
43	A volcanotectonic survey of Ascraeus Mons, Mars. Journal of Geophysical Research, 2012, 117, .	3.3	18
44	Aureole Deposit (Olympus Mons). , 2014, , 1-7.		0
45	Aureole Deposit (Olympus Mons). , 2015, , 97-102.		0
46	Olympus Mons volcano, Mars: A photogeologic view and new insights. Chemie Der Erde, 2018, 78, 397-431.	2.0	12
47	The pristine shape of Olympus Mons on Mars and the subaqueous origin of its aureole deposits. Icarus, 2018, 302, 44-61.	2.5	10
48	High-Resolution Topographic Analyses of Mounds in Southern Acidalia Planitia, Mars: Implications for Possible Mud Volcanism in Submarine and Subaerial Environments. Geosciences (Switzerland), 2018, 8, 152.	2.2	17
49	Glaciovolcanism in the Tharsis volcanic province of Mars: Implications for regional geology and hydrology. Planetary and Space Science, 2019, 169, 45-69.	1.7	13
50	Thermal history of the terrestrial planets. , 2020, , 267-297.		1
51	Rafted pumice: A new model for the formation of the Medusae Fossae Formation, Mars. Icarus, 2020, 343, 113684.	2.5	16
52	An overview of explosive volcanism on Mars. Journal of Volcanology and Geothermal Research, 2021, 409, 107125.	2.1	29
53	The Tharsis Province. , 2021, , 36-68.		0
54	Four decades of understanding Martian geomorphology: Revisiting Baker's "The geomorphology of Mars". Progress in Physical Geography, 0, , 030913332110262.	3.2	4

#	ARTICLE	IF	CITATIONS
55	Mass-Movements on the Mars. , 2021, , .		0
56	Volcanism on the Red Planet: Mars. , 2000, , 75-112.		23
57	Geomorphological Record of Water-Related Erosion on Mars. , 2002, , 89-109.		10
58	Geomorphologic Evidence for Liquid Water. Space Sciences Series of ISSI, 2001, , 333-364.	0.0	6
60	Explosive Volcanism on Mars. , 2021, , 183-230.		0
61	Volcanic Eruptions on Mars, Lava Flow Morphology, and Thermodynamics. , 2021, , 71-94.		1
62	Evidence of regionally distributed tectono-volcanism in a floor fractured crater of North-Central Arabia Terra, Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006748.	3.6	0
63	Landslides in Peculiar Environments. , 2011, , 223-261.		1
64	Explosive volcanism in Noctis Fossae on Mars. Icarus, 2022, 375, 114851.	2.5	4
65	Martian volcanism: Current state of knowledge and known unknowns. Chemie Der Erde, 2022, 82, 125886.	2.0	3
66	Ice on Noachian and Hesperian Mars: Atmospheric, surface, and subsurface processes. , 2024, , 73-100.		0