

Topography of the shield volcano, Olympus Mons on Mars

Nature

309, 432-435

DOI: [10.1038/309432a0](https://doi.org/10.1038/309432a0)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ice-lubricated gravity spreading of the Olympus Mons aureole deposits. <i>Icarus</i> , 1985, 62, 191-206.	2.5	109
2	Planetary geodesy. <i>Reviews of Geophysics</i> , 1987, 25, 833-839.	23.0	11
3	Volcanology. <i>Reviews of Geophysics</i> , 1987, 25, 1065-1078.	23.0	3
4	The early environment and its evolution on Mars: Implication for life. <i>Reviews of Geophysics</i> , 1989, 27, 189-214.	23.0	220
5	Heterogeneities in the thickness of the elastic lithosphere of Mars: Constraints on heat flow and internal dynamics. <i>Journal of Geophysical Research</i> , 1990, 95, 11073-11083.	3.3	97
6	Flank tectonics of Martian volcanoes. <i>Journal of Geophysical Research</i> , 1990, 95, 14345-14355.	3.3	33
7	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
8	Gravity studies of the Tharsis area on Mars. <i>Earth, Moon and Planets</i> , 1991, 53, 217-232.	0.6	17
9	The Mars Observer laser altimeter investigation. <i>Journal of Geophysical Research</i> , 1992, 97, 7781-7797.	3.3	446
10	Caldera subsidence and magma chamber depth of the Olympus Mons volcano, Mars. <i>Journal of Geophysical Research</i> , 1992, 97, 18295-18307.	3.3	50
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14	Calderas on Mars: characteristics, structure, and associated flank deformation. <i>Geological Society Special Publication</i> , 1996, 110, 307-348.	1.3	92
15	The Global Topography of Mars and Implications for Surface Evolution. <i>Science</i> , 1999, 284, 1495-1503.	12.6	826
16	Morphometric properties of Martian volcanoes. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	176
17	An immense shield volcano within the Shatsky Rise oceanic plateau, northwest Pacific Ocean. <i>Nature Geoscience</i> , 2013, 6, 976-981.	12.9	330
18	Olympus Mons volcano, Mars: A photogeologic view and new insights. <i>Chemie Der Erde</i> , 2018, 78, 397-431.	2.0	12

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19	Determination of Mars crater geometric data: Insights from high-resolution digital elevation models. Meteoritics and Planetary Science, 2018, 53, 726-740.	1.6	6
20	The pristine shape of Olympus Mons on Mars and the subaqueous origin of its aureole deposits. Icarus, 2018, 302, 44-61.	2.5	10
21	The Tharsis Province. , 2021, , 36-68.		0
22	An intelligent swath tool to characterize complex topographic features: Theory and application in the Teton Range, Licking River, and Olympus Mons. Geomorphology, 2021, 387, 107778.	2.6	6
23	Landform evolution of Tharsis Montes and Olympus Mons of Mars: Insights from morphometric, hypsometric and chronologic evidences. Journal of Earth System Science, 2021, 130, 1.	1.3	5