

# Origin and age of the earliest Martian crust from meteo

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A chunk of ancient Mars. <i>Nature</i> , 2013, 503, 473-474.	13.7	2
2	Towards a solar system timescale. <i>Astronomy and Geophysics</i> , 2014, 55, 4.27-4.29.	0.1	3
4	Evolution of water reservoirs on Mars: Constraints from hydrogen isotopes in martian meteorites. <i>Earth and Planetary Science Letters</i> , 2014, 394, 179-185.	1.8	97
5	Record of the ancient martian hydrosphere and atmosphere preserved in zircon from a martian meteorite. <i>Nature Geoscience</i> , 2014, 7, 638-642.	5.4	49
6	Petrogenesis of a vitrophyre in the martian meteorite breccia NWA 7034. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 281-293.	1.6	40
7	Martian meteorites and Martian magnetic anomalies: A new perspective from NWA 7034. <i>Geophysical Research Letters</i> , 2014, 41, 4859-4864.	1.5	50
8	Meteoritic zircon – Occurrence and chemical characteristics. <i>Chemie Der Erde</i> , 2014, 74, 453-469.	0.8	15
9	Modern atmospheric signatures in 4.4 Ga Martian meteorite NWA 7034. <i>Earth and Planetary Science Letters</i> , 2014, 400, 77-87.	1.8	69
10	Moon, Mars, Mercury: Basin formation ages and implications for the maximum surface age and the migration of gaseous planets. <i>Earth and Planetary Science Letters</i> , 2014, 400, 54-65.	1.8	36
11	High-spatial resolution U-Pb dating of phosphate minerals in Martian meteorite Allan Hills 84001. <i>Geochemical Journal</i> , 2014, 48, 423-431.	0.5	8
12	Inventory of H <sub>2</sub> O in the ancient Martian regolith from Northwest Africa 7034: The important role of Fe oxides. <i>Geophysical Research Letters</i> , 2014, 41, 8235-8244.	1.5	43
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14	A Noachian source region for the “Black Beauty” meteorite, and a source lithology for Mars surface hydrated dust?. <i>Earth and Planetary Science Letters</i> , 2015, 427, 104-111.	1.8	24
15	The Pb isotopic evolution of the Martian mantle constrained by initial Pb in Martian meteorites. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 2224-2240.	1.5	21
16	Influence of redox conditions on the intensity of Mars crustal magnetic anomalies. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1703-1717.	0.7	1
17	Nickeliferous pyrite tracks pervasive hydrothermal alteration in Martian regolith breccia: A study in NWA 7533. <i>Meteoritics and Planetary Science</i> , 2015, 50, 2099-2120.	0.7	32
18	Candidates source regions of martian meteorites as identified by OMEGA/MEx. <i>Icarus</i> , 2015, 258, 366-383.	1.1	19
19	The Northwest Africa (NWA) 5790 meteorite: A mesostasis-rich nakhlite with little or no Martian aqueous alteration. <i>Meteoritics and Planetary Science</i> , 2015, 50, 287-304.	0.7	21

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21	Magmatic controls on the genesis of Ni-Cu (PGE) sulphide mineralisation on Mars. <i>Ore Geology Reviews</i> , 2015, 65, 400-412.	1.1	14
22	Evidence for a widespread basaltic breccia component in the martian low-albedo regions from the reflectance spectrum of Northwest Africa 7034. <i>Icarus</i> , 2015, 252, 150-153.	1.1	23
23	First detection of fluorine on Mars: Implications for Gale Crater's geochemistry. <i>Geophysical Research Letters</i> , 2015, 42, 1020-1028.	1.5	107
24	Siderophile and chalcophile element abundances in shergottites: Implications for Martian core formation. <i>Meteoritics and Planetary Science</i> , 2015, 50, 691-714.	0.7	51
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30	Constraints on the depth and thermal vigor of melting in the Martian mantle. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 109-122.	1.5	42
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36	Ni/S/Cl systematics and the origin of impact melt glasses in Martian meteorite Elephant Moraine 79001. <i>Meteoritics and Planetary Science</i> , 2016, 51, 663-680.	0.7	3
37	Composition of conglomerates analyzed by the Curiosity rover: Implications for Gale Crater crust and sediment sources. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 353-387.	1.5	53

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39	Potassium-rich sandstones within the Gale impact crater, Mars: The APXS perspective. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1981-2003.	1.5	51
40	A Pb isotopic resolution to the Martian meteorite age paradox. <i>Earth and Planetary Science Letters</i> , 2016, 433, 241-248.	1.8	23
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52	The eruptibility of magmas at Tharsis and Syrtis Major on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 944-964.	1.5	24
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55	Ancient impactor components preserved and reworked in martian regolith breccia Northwest Africa 7034. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 203-215.	1.6	25

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58	Rb- <sup>87</sup> Sr and Sm- <sup>147</sup> Nd isotopic and REE studies of igneous components in the bulk matrix domain of Martian breccia Northwest Africa 7034. <i>Meteoritics and Planetary Science</i> , 2016, 51, 483-498.	0.7	59
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