

- Carr, M.H., Head, J.W., 2002. Oceans on Mars: An assessment of the observational evidence and possible fate. *J. Geophys. Res.* 108, E5, doi:[10.1029/2002JE001963](https://doi.org/10.1029/2002JE001963).
- Carr, M.H., Wänke, H., 1992. Earth and Mars: Water inventories as clues to accretional histories. *Icarus* 98, 61–71.
- Catling, D.C., et al., 2006. Light-toned layered deposits in Juventae chasma, Mars. *Icarus* 181, 26–51.
- Chapman, M.G., Tanaka, K.L., 2001. Interior trough deposits on Mars: Subice volcanoes? *J. Geophys. Res.* 106, 10087–10100.
- Christensen, P.R., 2003. Formation of recent Martian gullies through melting of extensive water-rich snow deposits. *Nature* 422, 45–48.
- Chyba, C.F., 1990. Impact delivery and erosion of planetary oceans in the early inner Solar System. *Nature* 343, 129–133.
- Clifford, S.M., 1980. Chasma Boreale (85°N, 0°W): Remnant of a Martian jokulhlaup? *Bull. Amer. Astron. Soc.* 12, 678.
- Clifford, S.M., Parker, T.J., 2001. The evolution of the martian hydrosphere: Implications for the fate of a primordial ocean and the current state of the northern plains. *Icarus* 154, 40–79.
- Connery, J.E., et al., 1999. Magnetic lineations in the ancient crust of Mars. *Science* 284, 794–798.
- Costard, F., Forget, F., Mangold, N., Peulvast, J.P., 2002. Formation of recent Martian debris flows by melting of near-surface ground ice at high obliquity. *Science* 295, 110–113.
- Craddock, R.A., Howard, A.D., 2002. The case for rainfall on a warm, wet early Mars. *J. Geophys. Res.* 107, (E11), 5111, doi:[10.1029/2001JE001505](https://doi.org/10.1029/2001JE001505).
- Craddock, R.A., Maxwell, T.A., 1993. Geomorphic evolution of the Martian highlands through ancient fluvial processes. *J. Geophys. Res.* 98, 3453–3468.
- Crisp, J.A., 1984. Rates of magma emplacement and volcanic output. *J. Volc. Geotherm Res.* 20, 177.
- Dickson et al., 2009. Young Valley Networks on Mars: Persistent Flow of Water in Lyot Crater, a Distinctive Amazonian Impact Basin Microenvironment.
- Dickson, J.L., Head, J.W., Marchant, D.R., 2008. Late Amazonian glaciation at the dichotomy boundary on Mars: Evidence for glacial thickness maxima and multiple glacial phases. *Geology* 36, 411–414, doi:[10.1130/G24382A.1](https://doi.org/10.1130/G24382A.1).
- Dreibus, G., Wänke, H., 1987. Volatiles on Earth and Mars: A comparison. *Icarus* 71, 225–240.
- Ehlmann, B.L., et al., 2008. Orbital identification of carbonate-bearing rocks on Mars. *Science* 322, 1828–1832.
- Farmer, C.B., Doms, P.E., 1979. Global and seasonal water vapor on Mars and implications for permafrost. *J. Geophys. Res.* 84, 2881–2888.
- Fassett, C.I., Head, J.W., 2005. Fluvial sedimentary deposits on Mars: Ancient deltas in a crater lake in the Nili Fossae region. *Geophys. Res. Lett.* 32, 14, doi:[10.1029/2005GL023456](https://doi.org/10.1029/2005GL023456).
- Fassett, C.I., Head, J.W., 2008. Open-basin lakes on Mars: Implications of valley networks lakes for the nature of martian hydrology. *LPSC XXXIX*, abstract 1139.
- Feldman, W.C., et al., 2004. The global distribution of near surface hydrogen on Mars. *J. Geophys. Res.* 109, E9, doi:[10.1029/2003JE02160](https://doi.org/10.1029/2003JE02160).
- Fishbaugh, K.E., Head, J.W., 2002. Chasma Boreale, Mars: Topographic characterization from Mars Orbiter Laser Altimeter data and implications for mechanisms of formation. *J. Geophys. Res.* 107, E3, doi:[10.1029/2001JE001351](https://doi.org/10.1029/2001JE001351).
- Forget, F., Haberle, R.M., Montmessin, F., Levrard, B., Head, J.W., 2006. Formation of glaciers on Mars by atmospheric precipitation at high obliquity. *Science* 311, 368–371.
- Frey, H.V., 2003. Buried impact basins and the earliest history of Mars. *LPSC XXXV*, abstract 3104.