

Refereed Journal Articles

- Rodriguez, J.A.P., Gulick, V., Baker, V., **Platz, T.**, Fairén, A.G., Miyamoto, H., Kargel, J. Evidence for Middle Amazonian catastrophic flooding and glaciation on Mars. *Geology* (submitted).
- Rodriguez, J.A.P., Tanaka, K.L., **Platz, T.**, Fairén, A.G., Gulick, V. Evidence for Late Amazonian zonal shrinkage of the Martian south polar plateau. *Icarus* (submitted).
- Platz, T.**, Ferguson, R.L., McGuire, P.C., Keszthelyi, L., Walter, S. (in revision). Eruption styles of satellite vents at Tharsis Tholus (Mars) and implications for the magma plumbing system. In: Platz, T., Massironi, M., Byrne, P.K., Hiesinger, H. (eds): *Volcanism and Tectonism Across the Inner Solar System*. [Geological Society, London, Special Publications, 401](#).
1. Tanaka, K.L., Skinner, J.A., Jr., Dohm, J.M., Irwin, R.P., III, Kolb, E.J., Fortezzo, C.M., **Platz, T.**, Michael, G.G., and Hare, T.M. Geologic Map of Mars. U.S. Geological Survey Scientific Investigations Map SIM, 1:20,000,000 (in press).
 2. Chevrel, M.O., **Platz, T.**, Hauber, E., Baratoux, D., Lavallée, Y., and Dingwell, D.B. (2013). Lava flow rheology: a comparison of morphological and petrological methods. *Earth and Planetary Science Letters* 384, 109-120. ([doi: 10.1016/j.epsl.2013.09.022](#)).
 3. Hauber, E., **Platz, T.**, Reiss, D., Le Deit, L., Kleinhans, M.G., Marra, W.A., de Haas, T., and Carbonneau, P. (2013). Asynchronous formation of Hesperian and Amazonian-aged deltas on Mars and implications for climate. *Journal of Geophysical Research – Planets* 118, 1-16 (SP Early Mars III: Geologic and Hydrologic Evolution, Physical and Climate Environments, and the Implications for Life) ([doi: 10.1002/jgre.20107](#)).
 4. **Platz, T.**, Michael, G.G., Tanaka, K.L., Skinner, J.A., Jr., and Fortezzo, C.M. (2013). Crater-based dating of geological units on Mars: methods and application for the new global geological map. *Icarus* 225, 806-827. ([doi: 10.1016/j.icarus.2013.04.021](#)).
 5. Davila, A.F., Fairén, A.G., Stokes, C.R., **Platz, T.**, Rodriguez, A.P., Lacelle, D., Dohm, J., and Pollard, W. (2013). Evidence for Hesperian glaciations along the Martian dichotomy boundary. *Geology* 41, 755-758. ([doi: 10.1130/G34201.1](#))
 6. Skinner, J.A., Jr., Tanaka, K.L., and **Platz, T.** (2012). Widespread loess-like deposit in the Martian northern lowlands identifies Middle Amazonian climate excursion. *Geology* 40, 1127-1130. ([doi:10.1130/G33513.1](#)).
 7. Tirsch, D., Craddock, R.A., **Platz, T.**, Maturilli, A., Helbert, J., and Jaumann, R. (2012). Spectral and petrologic analyses of basaltic sands in Ka'u Desert (Hawaii) – Implications for the dark dunes on Mars. *Earth Surface Processes and Landforms* 37, 434-448. ([doi:10.1002/esp.2266](#)).
 8. Michael, G.G., **Platz, T.**, Kneissl, T., and Schmedemann, N. (2012). Planetary surface dating from crater size-frequency distribution measurements: a quantitative test of spatial randomness. *Icarus* 218, 169-177. ([doi:10.1016/j.icarus.2011.11.033](#)).
 9. **Platz, T.**, Cronin, S.J., Procter, J.N., Neall, V.E., and Foley, S.F. (2012). Non-explosive, dome-forming eruptions at Mt. Taranaki, New Zealand. *Geomorphology* (Special Issue: Volcano Geomorphology: landforms, processes and hazards) 136, 15-30. ([doi:10.1016/j.geomorph.2011.06.016](#)).
 10. **Platz, T.** and Michael, G.G. (2011). Eruption history of the Elysium Volcanic Province, Mars. *Earth and Planetary Science Letters* 312, 140-151. ([doi:10.1016/j.epsl.2011.10.001](#)).

11. Hauber, E., Brož, P., Jagert, F., Jodłowski, P., and **Platz, T.** (2011). Very recent and wide-spread basaltic volcanism on Mars. *Geophysical Research Letters* 38, L10201. ([doi:10.1029/2011GL047310](https://doi.org/10.1029/2011GL047310)).
12. Musiol, S., Cailleau, B., **Platz, T.**, Kneissl, T., Dumke, A., and Neukum, G. (2011). Outflow activity near Hadriaca Patera, Mars - Fluid-tectonic interaction investigated with HRSC stereo data and finite-element modelling. *Journal of Geophysical Research* 116, E08001. ([doi:10.1029/2010JE003791](https://doi.org/10.1029/2010JE003791)).
13. **Platz, T.**, Münn, S., Walter, T.R., McGuire, P.C., Dumke, A., and Neukum, G. (2011). Vertical and lateral collapse of Tharsis Tholus, Mars. *Earth and Planetary Science Letters* 305, 445-455. ([doi:10.1016/j.epsl.2011.03.012](https://doi.org/10.1016/j.epsl.2011.03.012)).
14. Pondrelli, M., Rossi, A.P., **Platz, T.**, Ivanov, A., Marinangeli, L., and Balivaa, A. (2011). Geological, geomorphological, facies and allostratigraphic maps of the Eberswalde fan delta. *Planetary and Space Science* (Special Volume - Geological Mapping of Mars) 59, 1166-1178. ([doi:10.1016/j.pss.2010.10.009](https://doi.org/10.1016/j.pss.2010.10.009)).
15. **Platz, T.**, Michael, G.G., and Neukum, G. (2010). Confident thickness estimates for planetary surface deposits from concealed crater populations. *Earth and Planetary Science Letters* 293, 388-395. ([doi:10.1016/j.epsl.2010.03.012](https://doi.org/10.1016/j.epsl.2010.03.012)).
16. Procter, J.N., Cronin, S.J., **Platz, T.**, Patra, A., Dalbey, K., Sheridan, M., and Neall, V. (2010). Mapping block-and-ash flow hazards based on Titan 2D simulations: a case study from Mt. Taranaki, NZ. *Natural Hazards* 53, 483-501. ([doi:10.1007/s11069-009-9440-x](https://doi.org/10.1007/s11069-009-9440-x)).
17. Turner, M.B., Cronin, S.J., Bebbington, M.S., and **Platz, T.** (2008). Developing a probabilistic eruption forecast for dormant volcanoes; a case study from Mt Taranaki, New Zealand. *Bulletin of Volcanology* 70, 507-515. ([doi:10.1007/s00445-007-0151-4](https://doi.org/10.1007/s00445-007-0151-4)).
18. **Platz, T.**, Cronin, S.J., Cashman, K.V., Stewart, R.B., and Smith, I.E.M. (2007). Transition from effusive to explosive phases in andesite eruptions - a case-study from the AD1655 eruption of Mt. Taranaki, New Zealand. *Journal of Volcanology and Geothermal Research* 161, 15-34. ([doi:10.1016/j.jvolgeores.2006.11.005](https://doi.org/10.1016/j.jvolgeores.2006.11.005)).
19. **Platz, T.**, Cronin, S.J., Smith, I.E.M., Turner, M.B., and Stewart, R.B. (2007). Improving the reliability of microprobe-based analyses of andesitic glasses for tephra correlation. *The Holocene* 17, 573-583. ([doi:10.1177/0959683607078982](https://doi.org/10.1177/0959683607078982)).
20. Lube, G., Cronin, S.J., **Platz, T.**, Freundt, A., Procter, J., Henderson, C., and Sheridan, M.F. (2007). Flow and deposition of pyroclastic granular flows: A type example from the 1975 Ngauruhoe eruption, New Zealand. *Journal of Volcanology and Geothermal Research* 161, 165-186. ([doi:10.1016/j.jvolgeores.2006.12.003](https://doi.org/10.1016/j.jvolgeores.2006.12.003)).
21. **Platz, T.**, Foley, S.F., and André, L. (2004). Low-pressure fractionation of the Nyiragongo volcanic rocks, Virunga Province, D.R. Congo. *Journal of Volcanology and Geothermal Research* 136, 269-295. ([doi:10.1016/j.jvolgeores.2004.05.020](https://doi.org/10.1016/j.jvolgeores.2004.05.020)).

Book chapter

- Rodriguez, J.A.P. and **Platz, T.** (2013). Types and formational mechanisms of south polar troughs, Mars. In: Fairén, A.G. (ed.). *Mars: Evolution, Geology and Exploration*. Nova Science Publishers, Inc. ([ISBN: 978-1-62618-102-1](https://doi.org/10.1016/j.jvolgeores.2004.05.020))

Extended Conference Abstracts

1. **Platz, T.**, Jodlowski, P., Fawdon, P., Michael, G.G., Tanaka, K.L. (2014). Amazonian volcanic activity at the Syrtis Major volcanic province, Mars. 45th Lunar and Planetary Science Conference, (Lunar and Planetary Science XLV), held March 17-21, 2014 in The Woodlands, Texas id. XXXX.
2. Fortezzo, C.M., Tanaka, K.L., **Platz, T.**, Rodriguez, J.A.P., Kumar, P.S. (2014). Geologic mapping of central Valles Marineris, Mars. 45th Lunar and Planetary Science Conference, (Lunar and Planetary Science XLV), held March 17-21, 2014 in The Woodlands, Texas id. XXXX.
3. Rodriguez, J.A.P., Gulick, V., Baker, V., **Platz, T.**, Fairén, A.G. (2014). Evidence for multiple stages of extensive low outflow channel floor resurfacing in southern circum-Chryse, Mars. 45th Lunar and Planetary Science Conference, (Lunar and Planetary Science XLV), held March 17-21, 2014 in The Woodlands, Texas id. XXXX.
4. Jaumann, R., Neukum, G., Tirsch, D., Hauber, E., Hoffmann, H., Roatsch, T., Gwinner, K., Scholten, F., Ansan, V., Baratoux, D., Di Achille, G., Duxbury, T., Erkeling, G., Foing, B., Fueten, F., van Gasselt, S., Gupta, S., Head, J.W., Hiesinger, H., Ip, W.-H., Keller, H.-U., Kleinhans, M., Kneissl, T., Le Deit, L., Mangold, N., McCord, T.B., Micheal, G., Muller, J.P., Murray, J., Pacifici, A., **Platz, T.**, Pinet, P., Pondrelli, M., Raack, J., Reiss, D., Rossi, A.P., Spohn, T., Sowe, M., Stephan, K., Wendt, L., Williams, D.A. and The HRSC Science Team (2014). The Martian geomorphology as mapped by the Mars Express High Resolution Stereo Camera (HRSC): Implications for geological processes and climate conditions. 45th Lunar and Planetary Science Conference, (Lunar and Planetary Science XLV), held March 17-21, 2014 in The Woodlands, Texas id. XXXX.
5. Hauber, E., **Platz, T.**, Reiss, D., Le Deit, L., Kleinhans, M.G., Carbonneau, P., de Haas, T., and Marra, W.A. (2013). Old or not so old: That is the question for deltas and fans in Xanthe Terra, Mars. 44rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 2513.
6. McGuire, P.C., Arvidson, R.E., Bishop, J.L., Brown, A.J., Cull, S., Green, R.O., Gross, C., Hash, C.D., Hauber, E., Humm, D.C., Jaumann, R., Le Deit, L., Malaret, E.R., Martin, T.Z., Marzo, G.A., Morgan, M.F., Murchie, S.L., Mustard, J.F., Neukum, G., Parente, M., **Platz, T.**, Roush, T.L., Seelos, F.P., Seelos, K.D., Smith, M.D., Sowe, M., Tirsch, D., Walter, S., Wendt, L., Wiseman, S.M., and Wolff, M.J. (2013). Mapping minerals on Mars with CRISM: Atmospheric and photometric correction for MRDR map tiles, version 2, and comparison to OMEGA. 44rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 1581.
7. **Platz, T.**^P, Michael, G.G., Hartmann, O., and Kenkmann, T. (2013). Earth's expected impact crater record on regional and global scales. 44rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 2838.
8. **Platz, T.**^P, Michael, G., Tanaka, K.L., Skinner, J.A., Jr., and Fortezzo, C.M. (2013). Crater dating of geological units on Mars: Methods and application for the new global geological map. 44rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 2340.
9. Jodlowski, P., **Platz, T.**^P, and Michael, G.G. (2013). Eruption history of the Syrtis Major Volcanic Province, Mars. 44rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 2322.
10. Voelker, M., **Platz, T.**, Tanaka, K.L., Fortezzo, C., Ferguson, R., and Hare, T.M. (2013). Hyperconcentrated flow deposits and valley formation of Havel Vallis, Xanthe Terra, Mars. 44rd

- Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIV), held March 18-22, 2013 in The Woodlands, Texas id. 2886.
11. Hauber, E., **Platz, T.**, Kleinhans, M., Le Deit, L., Carbonneau, P., de Haas, T., Marra, W., and Reiss, D. (2012). Old or not so old: That ist the question for deltas and fans in Xanthe Terra, Mars. Third Conference on Early Mars: Geologic, Hydrologic, and Climatic Evolution and the Implications for Life, Nevada, USA, #7078.
 12. Tanaka, K.L., **Platz, T.**, Michael, G., Robins, S., Fortezzo, C.M., Skinner, Jr., J.A., Dohm, J.M., Irwin, III, R.P., Kolb, E.J., and Hare, T.M. (2012). Early Mars revisited by new global geologic mapping and crater counting. Third Conference on Early Mars: Geologic, Hydrologic, and Climatic Evolution and the Implications for Life, Nevada, USA, #7033.
 13. **Platz, T.^P**, Michael, G.G., Skinner, J.A., Tanaka, K.L., Kneissl, T., and Fortezzo, C.M. (2012). Absolute age determinations for regional geologic units: a case study of the Middle Noachian unit in the Arabia-Sabaea-Noachis Terrae region, Mars. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2686.
 14. Lehmann, T.R., **Platz, T.^P**, and Michael, G.G. (2012). Ages of lava flows in the Hesperia Volcanic Region, Mars. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2526.
 15. Jodlowski, P., **Platz, T.^P**, and Michael, G.G. (2012). Preliminary eruption history of the Syrtis Major Volcanic Province, Mars. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2494.
 16. Tanaka, K.L., Dohm, J.M., Fortezzo, C.M., Irwin, III, R.P., Kolb, E.J., Skinner, Jr., J.A., Hare, T.M., **Platz, T.**, Michael, G., and Robbins, S. (2012). The geology of Mars: What the new global map show. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2702.
 17. Tanaka, K.L., Rodriguez, J.A.P., Fortezzo, C.M., **Platz, T.**, Michael, G., and Robbins, S. (2012). Geologic history of Valles Marineris, Mars, revisited. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2821.
 18. Michael, G.G., **Platz, T.**, Kneissl, T., and Schmedemann, N. (2012). Planetary surface dating from crater size-frequency distribution measurements: spatial randomness and clustering. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2486.
 19. Rodriguez, J.A.P., Tanaka, K.L., and **Platz, T.** (2012). Types and formational mechanisms of south polar troughs, Mars. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2613.
 20. Voelker, M., **Platz, T.^P**, Tanaka, K.L., Fortezzo, C.M., Ferguson, R., and Hare, T.M. (2012). Geological mapping of Havel Vallis, Xanthe Terra, Mars: stratigraphy and reconstruction of valley formation. 43rd Lunar and Planetary Science Conference, (Lunar and Planetary Science XLIII), held March 19-23, 2012 in The Woodlands, Texas id. 2738.
 21. **Platz, T.^P** and Michael, G.G. (2011). Eruption history of the Elysium Volcanic Centre, Mars. 42st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLII), held March 7-11, 2011 in The Woodlands, Texas id. 2687.
 22. **Platz, T.^P**, Hauber, E., Chevrel, O., Le Deit, L., Trauthan, F., Preusker, F., Jauman, R., and Neukum, G. (2011). Preliminary results on lava morphologies and vent structures: an example from the

- Western Volcanic Province, Iceland. 42st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLII), held March 7-11, 2011 in The Woodlands, Texas id. 2108.
23. Musiol, S., Williams, D.A., van Gasselt, S., **Platz, T.**, Dumke, A., and Neukum, G. (2011). Investigation of a landslide mechanism for the formation of the Olympus Mons scarp and aureole lobes. 42st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLII), held March 7-11, 2011 in The Woodlands, Texas id. 1932.
 24. Tanaka, K.L., Fortezzo, C.M., Dohm, J.M., Irwin, III, R.P., Kolb, E.J., Skinner, Jr., J.A., Hare, T.M., **Platz, T.** and Robbins, S. (2011). Completing the new global geologic map of Mars. 42st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLII), held March 7-11, 2011 in The Woodlands, Texas id. 2265.
 25. Hauber, E., **Platz, T.**, Le Deit, L., Chevrel, O., Hoffmann, B., Kuhlmann, L., Trauthan, F., Preusker, F., and Jaumann, R. (2011). Mapping of postglacial Icelandic lava flows as analogues for Mars. 42st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLII), held March 7-11, 2011 in The Woodlands, Texas id. 1749.
 26. **Platz, T.**^P, Kneissl, T., Hauber, E., Le Deit, L., Michael, G.G., and Neukum, G. (2010). Total Volume Estimates of Volcanic Material and Outgassing in the Elysium Volcanic Region. 41st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLI), held March 1-5, 2010 in The Woodlands, Texas id. 2476.
 27. **Platz, T.**^T, Michael, G.G., and Neukum, G. (2010). Confident Thickness Estimates for Planetary Surface Deposits from Concealed Crater Populations. 41st Lunar and Planetary Science Conference, (Lunar and Planetary Science XLI), held March 1-5, 2010 in The Woodlands, Texas id. 2348.
 28. **Platz, T.**^T, McGuire, P.C., Münn, S., Cailleau, B., Dumke, A., Neukum, G., and Procter, J.N. (2009). Growth and Destruction Cycles and Eruption Styles at Tharsis Tholus, Mars. 40th Lunar and Planetary Science Conference, (Lunar and Planetary Science XL), held March 23-27, 2009 in The Woodlands, Texas id.1522.

Conference Abstracts

1. Balme et al. (2014). Mapping the northern plains of Mars: origins, evolution and response to climate change. EGU 2014.
2. Jaumann et al. (2014). The Martian geomorphology as mapped by the Mars Express High Resolution Stereo Camera (HRSC): Implications for Geological Processes and Climate Conditions. EGU 2014.
3. Balme, Matt et al. (2014). Mapping the northern plains of Mars: origins, evolution and response to climate change – a new ISSI (International Space Science Institute) international team project. 4th European Conference on Permafrost.
4. Hauber, E. et al. (2014). Latitude-dependence of possible periglacial landforms in the northern lowlands of Mars: The case of Acidalia Planitia. 4th European Conference on Permafrost.
5. Jaumann et al. (2013). The Martian geomorphology as mapped by the Mars Express High Resolution Stereo Camera (HRSC): Implications for Geological Processes and Climate Conditions. American Geophysical Union, Fall Meeting 2013,
6. **Platz, T.**, Fergason, R.L., McGuire, P.C. and Walter, S. (2013). Satellite cones and vents at Tharsis Tholus, Mars. European Planetary Science Congress 2013, London, EPSC2013-1055.

7. **Platz, T.^P**, Jodlowski, P., and Michael, G. (2013). Eruption frequency record of the Syrtis Major Volcanic Province, Mars. EGU General Assembly 2013, Geophysical Research Abstracts, Vol. 15, EGU2013-14211.
8. Manfredi, L., **Platz, T.**, Clarke, A.B., and Williams, D.A. (2012). Volcanic history of the Tempe Volcanic Province. American Geophysical Union, Fall meeting 2012, V33B-2873.
9. Tirsch, D., Craddock, R.A., **Platz, T.**, Maturilli, A., Helbert, J., and Jaumann, R. (2012). An analogy study of basaltic dune sands on Mars and Earth. 3rd Conference on Terrestrial Mars Analogues, Marrakesh, October 2012.
10. Chevrel, M.O., **Platz, T.**, Hauber, E., Baratoux, D., and Dingwell, D.B. (2012). Rheology of Icelandic lava flows as analogues for Mars: comparison between morphometric and experimental determinations. EGU General Assembly 2012, Geophysical Research Abstracts, Vol. 14, EGU2012-8876-1.
11. Chevrel, M.O., **Platz, T.**, Hauber, E., Le Deit, L., and Dingwell, D.B. (2011). Rheology of Icelandic lava flows as analogs for Mars: comparison between morphometry and experimental determinations. American Geophysical Union, Fall meeting 2011, P42C-07.
12. Hauber, E., Arnold, L., and **Platz, T.** (2011). Rates of recent volcanism in the Tharsis Region, Mars. American Geophysical Union, Fall meeting 2011, P21B-1664.
13. Tirsch, D., Craddock, R.A., **Platz, T.**, and Jaumann, R. (2011). An analogy study of basaltic dune sands on Mars and Hawaii. Minerva Gentner Symposium on Aeolian Processes, 23.-28. October 2011, Eilat, Israel.
14. Tirsch, D., Craddock, R.A., **Platz, T.**, Maturilli, A., Helbert, J., and Jaumann, R. (2011). Spectral and Petrologic Analysis of Basaltic Dune Sand from Hawaii: Implications for Martian Dunes. EPSC-DPS Joint Meeting 2011, EPSC-DPS2011- 835-1.
15. **Platz, T.^T**, Michael, G.G., and Kenkmann, T. (2011). Expected impact crater population on a uniform, widespread surface deposit – a case study from the Siberian flood basalts. EPSC-DPS Joint Meeting 2011, EPSC-DPS2011-748.
16. Tanaka, K.L., **Platz, T.^P**, Fortezzo, C., and Rodriguez, J.A.P. (2011). Plateau geology south of Valles Marineris, Mars: Implications for canyon formational history. EPSC-DPS Joint Meeting 2011, EPSC-DPS2011-269.
17. Dohm, J.M., **Platz, T.^P**, and Tanaka, K.L. (2011). Pilot investigation of reported volcanic flow sequences in the Syria-Sinai-Solis province. EPSC-DPS Joint Meeting 2011, EPSC-DPS2011-1787.
18. Chevrel, M.O., **Platz, T.**, Hauber, E., and Dingwell, D.B. (2011). Rheology of lava flows from Iceland derived from geometrical parameters and experimental techniques. IUGG, Melbourne, abstract #4029.
19. Hauber, E., **Platz, T.^P**, Le Deit, L., Chevrel, O., Hoffmann, B., Kuhlmann, L., Trauthan, F., Preusker, F., and Jaumann, R. (2011). Mapping of postglacial Icelandic lava flows as analogues for Mars. EGU General Assembly 2011, Geophysical Research Abstracts, Vol. 13, EGU2011-12860-1.
20. **Platz, T.^P** and Michael, G.G. (2011). Eruption history of the Elysium Volcanic Centre, Mars. EGU General Assembly 2011, Geophysical Research Abstracts, Vol. 13, EGU2011-13166.
21. **Platz, T.^P**, Hauber, E., Chevrel, M.O., Le Deit, L., Trauthan, F., Preusker, F., Jaumann, R., and Neukum, G. (2011). Preliminary results on lava flow morphology and vent structures: an example from the Western Volcanic Zone, Iceland. EGU General Assembly 2011, Geophysical Research Abstracts, Vol. 13, EGU2011-12975.
22. McGuire, P.C., Arvidson, R.E., Bishop, J.L., Brown, A.J., Cull, S., Green, R.O., Gross, C., Hash, C.D., Hauber, E., Humm, D.C., Jaumann, R., Le Deit, L., Malaret, E.R., Martin, T.Z., Marzo, G.A.,

- Morgan, M.F., Murchie, S.L., Mustard, J.F., Neukum, G., Parente, M., **Platz, T.**, Roush, T.L., Seelos, F.P., Seelos, K.D., Smith, M.D., Sowe, M., Tirsch, D., Walter, S., Wendt, L., Wiseman, S.M., and Wolff, M.J. (2010). Mapping Minerals on Mars with CRISM: Atmospheric, Thermal, and Photometric Correction for MRDR Map Tiles and Comparison to OMEGA. European Planetary Science Congress 2010, Vol. 5, EPSC2010-163.
23. Tirsch, D., Craddock, R.A., **Platz, T.**, Maturilli, A., Spengler, D., Helbert, J., and Jaumann, R. (2010). Mineralogical Analyses of Basaltic Dune Sands from Ka'u Desert (Hawaii) - Comparison with Martian Dark Dunes. European Planetary Science Congress 2010, Vol. 5, EPSC2010-482.
 24. **Platz, T.^P**, Michael, G.G., Jodlowski, P., and Neukum, G. (2010). Construction of an Eruption Record for the Elysium Volcanic Centre, Mars: Preliminary Results. EGU General Assembly 2010, Geophysical Research Abstracts, Vol. 12, EGU2010-11285.
 25. **Platz, T.^P**, Münn, S., and Walter, T.R. (2010). Volcano-tectonics at Tharsis Tholus, Mars: Observation and Experiments. EGU General Assembly 2010, Geophysical Research Abstracts, Vol. 12, EGU2010-10227.
 26. **Platz, T.^T**, McGuire, P.C., Münn, S., Cailleau, B., Dumke, A., Neukum, G., and Procter, J.N. (2009). Cycles of edifice growth and destruction at Tharsis Tholus, Mars. EGU General Assembly 2009, Geophysical Research Abstracts, Vol. 11, EGU2009-9324-1.
 27. **Platz, T.^T**, Cronin, S., Procter, J., and Stewart, B. (2007). Post eruption dome collapses - a potentially unexpected hazard source. IUGG, XXIV General Assembly, Perugia, Italy, Abstract.
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