

Peer-Reviewed Articles

- Bland, M. T., C. A. Raymond, P. M. Schenk, R. R. Fu, **T. Kneissl**, J. H. Pasckert, H. Hiesinger, F. Preusker, R. S. Park, S. Marchi, S. D. King, J. C. Castillo-Rogez and C. T. Russell (2016): Composition and structure of the shallow subsurface of Ceres revealed by crater morphology. *Nature Geoscience* 9(7), 538-542.
- Hiesinger, H., S. Marchi, N. Schmedemann, P. Schenk, J. H. Pasckert, A. Neesemann, D. P. O'Brien, **T. Kneissl**, A. I. Ermakov, R. R. Fu, M. T. Bland, A. Nathues, T. Platz, D. A. Williams, R. Jaumann, J. C. Castillo-Rogez, O. Ruesch, B. Schmidt, R. S. Park, F. Preusker, D. L. Buczkowski, C. T. Russell and C. A. Raymond (2016): Cratering on Ceres: Implications for its crust and evolution. *Science* 353(6303).
- Kneissl, T.**, G. G. Michael and N. Schmedemann (2016): Treatment of non-sparse cratering in planetary surface dating. *Icarus* 277, 187-195.
- Michael, G. G., **T. Kneissl** and A. Neesemann (2016): Planetary surface dating from crater size-frequency distribution measurements: Poisson timing analysis. *Icarus* 277, 279-285.
- Michael, G. G., S. H. G. Walter, **T. Kneissl**, W. Zuschneid, C. Gross, P. C. McGuire, A. Dumke, B. Schreiner, S. van Gasselt, K. Gwinner and R. Jaumann (2016): Systematic processing of Mars Express HRSC panchromatic and colour image mosaics: Image equalisation using an external brightness reference. *Planetary and Space Science* 121, 18-26.
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- Kneissl, T.**, G. G. Michael, T. Platz and S. H. G. Walter (2015): Age determination of linear surface features using the Buffered Crater Counting approach – Case studies of the Sirenum and Fortuna Fossae graben systems on Mars. *Icarus* 250(0), 384-394.
- Nathues, A., M. Hoffmann, M. Schaefer, L. Le Corre, V. Reddy, T. Platz, E. A. Cloutis, U. Christensen, **T. Kneissl**, J.-Y. Li, K. Mengel, N. Schmedemann, T. Schaefer, C. T. Russell, D. M. Applin, D. L. Buczkowski, M. R. M. Izawa, H. U. Keller, D. P. O'Brien, C. M. Pieters, C. A. Raymond, J. Ripken, P. M. Schenk, B. E. Schmidt, H. Sierks, M. V. Sykes, G. S. Thangjam and J.-B. Vincent (2015): Sublimation in bright spots on (1) Ceres. *Nature* 528, 237-240.
- Bamberg, M., R. Jaumann, H. Asche, **T. Kneissl** and G. G. Michael (2014): Floor-Fractured Craters on Mars - Observations and Origin. *Planetary and Space Science* 98, 146-162.
- Buczkowski, D. L., D. Y. Wyrick, M. Toplis, R. A. Yingst, D. A. Williams, W. B. Garry, S. Mest, **T. Kneissl**, J. E. C. Scully, A. Nathues, M. C. De Sanctis, L. LeCorre, V. Reddy, M. Hoffmann, E. Ammannito, A. Frigeri, F. Tosi, F. Preusker, T. Roatsch, C. A. Raymond, R. Jaumann, C. M. Pieters and C. T. Russell (2014): The unique geomorphology and physical properties of the Vestalia Terra plateau. *Icarus* 244(0), 89-103.
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- Krohn, K., R. Jaumann, D. Elbeshausen, **T. Kneissl**, N. Schmedemann, R. Wagner, J. Voigt, K. Otto, K. D. Matz, F. Preusker, T. Roatsch, K. Stephan, C. A. Raymond and C. T. Russell (2014): Asymmetric craters on Vesta: Impact on sloping surfaces. *Planetary and Space Science* 103, 36-56.
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- Schäfer, M., A. Nathues, D. A. Williams, D. W. Mittlefehldt, L. Le Corre, D. L. Buczkowski, **T. Kneissl**, G. S. Thangjam, M. Hoffmann, N. Schmedemann, T. Schäfer, J. E. C. Scully, J.-Y. Li, V. Reddy, W. B. Garry, K. Krohn, R. A. Yingst, R. W. Gaskell and C. T. Russell (2014): Imprint of the Rheasilvia impact on Vesta – Geologic mapping of quadrangles Gegania and Lucaria. *Icarus* 244(0), 60-73.
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Conference Abstracts

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- Hughson, K., C. Russell, D. Williams, D. Buczkowski, S. Mest, J. Scully, **T. Kneissl**, O. Ruesch, A. Frigeri, J.-P. Combe, R. Jaumann, T. Roatsch, F. Preusker, T. Platz, A. Nathues, M. Hoffmann, M. Schaefer, R. Park, S. Marchi and C. Raymond (2016): Geological Mapping of the Ac-H-5 Fejokoo Quadrangle of Ceres from NASA's Dawn Mission. EGU General Assembly Conference Abstracts, 5022.
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Doctoral Thesis

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