

Robert J. Lillis
CURRICULUM VITAE

Peer-reviewed articles: 125 total, 27 as lead author, h-index: 40

- 125 10/2021 Lillis, R. J., and 51 co-authors (2021), MOSAIC: A Satellite Constellation to Enable Groundbreaking Mars Climate System Science and Prepare for Human Exploration, *The Planetary Science Journal*, 2 211
- 126 08/2021 Jolitz, R. D., Dong, C. F., Rahmati, A., Brain, D. A., Lee, C. O., Lillis, R. J., et al. (2021). Test particle model predictions of SEP electron transport and precipitation at Mars. *Journal of Geophysical Research: Space Physics*, 126, e2021JA029132. <https://doi.org/10.1029/2021JA029132>
- 124 07/2021 Henderson, S., Halekas, J., Lillis, R., & Elrod, M. (2021). Precipitating solar wind hydrogen as observed by the MAVEN spacecraft: Distribution as a function of column density, altitude, and solar zenith angle. *Journal of Geophysical Research: Planets*, 126, e2020JE006725. <https://doi.org/10.1029/2020JE006725>
- 123 05/2021 Lo, D. Y., R. V. Yelle, R. J. Lillis, and J. I. Deighan (2021), Carbon photochemical escape rates from the modern Mars atmosphere, *Icarus*, 360, 114371, doi:<https://doi.org/10.1016/j.icarus.2021.114371>.
- 122 01/2021 Thiemann, E. M. B., Eparvier, F. G., Knoer, V., Al Muharrami, A., & Lillis, R. J. (2021). Solar EUV irradiance uncertainties for planetary studies. *Journal of Geophysical Research: Space Physics*, 126, e2020JA028184. <https://doi.org/10.1029/2020JA028184>
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- 117 10/2020 Martinez, A., Modolo, R., Leblanc, F., Chaufray, J. Y., Witasse, O., Romanelli, N., et al. (2020). Influence of the solar wind dynamic pressure on the ion precipitation: MAVEN observations and simulation results. *Journal of Geophysical Research: Space Physics*, 125, e2020JA028183. <https://doi.org/10.1029/2020JA028183>
- 116 10/2020 Weber, T., Brain, D., Xu, S., Mitchell, D., Espley, J., Halekas, J., et al. (2020). The influence of interplanetary magnetic field direction on Martian crustal magnetic field topology. *Geophysical Research Letters*, 47, e2020GL087757. <https://doi.org/10.1029/2020GL087757>
- 115 10/2020 Brain, D.A., Weber, T., Xu, S., Mitchell, D.L., Lillis, R.J., Halekas, J.S., Espley, J. and Jakosky, B.M. (2020), Variations in Nightside Magnetic Field Topology at Mars. *Geophys. Res. Lett.*, 47: e2020GL088921. <https://doi.org/10.1029/2020GL088921>
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