

JAMES F. BELL III: PUBLICATIONS AS OF JUNE 2024

FIRST AUTHORED PEER-REVIEWED & SUBMITTED PUBLICATIONS

(boldface number = in preparation or submitted)

- 42.** Bell III, J.F., M.A. Ravine, M.A. Caplinger, J.A. Schaffner, S.M. Brylow, M.J. Clark, D.A. Peckham, P.T. Otjens, J.W. Ravine, J.D. Laramee, R.C. Juegens, W. Morgan, A.G. Parker, D. Williams, A. Winhold, S. Dibb, E. Cisneros, M. Walworth, N. Amiri, C. Polanskey, N. Mastrodemos, R. Park, N.K. Alonge, R. Jaumann, R.P. Binzel, T. McCoy, M.G. Martin, and P.A. Arthur, The Psyche Multispectral Imager Investigation: Characterizing the Geology, Topography, and Color Properties of a Potentially Metallic World, *Space Sci. Rev.*, to be submitted, 2024.
- 41.** Bell III, J.F., Y. Zhao, E. Cisneros, M. Beasley, C. Olkin, M.A. Caplinger, M.A. Ravine, J.A. Schaffner, M.J. Clark, J. Shamah, J. Ladewig, S. Mottola, C. Adam, and B.J. Bos, The Terminal Tracking Camera System on the NASA Lucy Trojan Asteroid Discovery Mission, *Space Sci. Rev.*, 219, [doi:10.1007/s11214-023-01030-5](https://doi.org/10.1007/s11214-023-01030-5), 2023.
- 40.** Bell III, J.F., J.N. Maki, S. Alwmark, B.L. Ehlmann, S.A. Fagents, J.P. Grotzinger, S. Gupta, A. Hayes, K.E. Herkenhoff, B.H.N. Horgan, J.R. Johnson, K.B. Kinch, M.T. Lemmon, M.B. Madsen, J.I. Núñez, G. Paar, M. Rice, J.W. Rice Jr., N. Schmitz, R. Sullivan, A. Vaughan, M.J. Wolff, A. Bechtold, T. Bosak, L.E. Duflot, A.G. Fairén, B. Garczynski, R. Jaumann, M. Merusi, C. Million, E. Ravanis, D.L. Shuster, J. Simon, M. St. Clair, C. Tate, S. Walter, B. Weiss, A. Bailey, T. Bertrand, O. Beyssac, A. Brown, P. Caballo-Perucha, M.A. Caplinger, C.M. Caudill, F. Cary, E. Cisneros, E. Cloutis, N. Cluff, P. Corlies, K. Crawford, S. Curtis, R. Deen, D. Dixon, C. Donaldson, M. Barrington, M. Ficht, S. Fleron, M. Hansen, D. Harker, R. Howson, J. Huggett, S. Jacob, E. Jensen, O.B. Jensen, M. Jodhpurkar, J. Joseph, C. Juarez, L.C. Kah, M. Kanine, J. Kristensen, T. Kubacki, K. Lapo, A. Magee, M. Maimone, G.L. Mehall, L. Mehall, J. Mollerup, D. Viúdez-Moreiras, K. Paris, K. Powell, F. Preusker, J. Proton, C. Rojas, D. Sallurday, K. Saxton, E. Scheller, C.H. Seeger, M. Starr, N. Stein, N. Turenne, J. Van Beek, A.G. Winhold, and R. Yingling, Geological, multispectral, and meteorological imaging results from the Mars 2020 *Perseverance* rover in Jezero crater, *Science Advances*, 8, [doi:10.1126/sciadv.abo4856](https://doi.org/10.1126/sciadv.abo4856), 2022.
- 39.** Bell III, J.F., J.N. Maki, G.L. Mehall, M.A. Ravine, M.A. Caplinger, Z.J. Bailey, S. Brylow, J.A. Schaffner, K.M. Kinch, M.B. Madsen, A. Winhold, A. Hayes, P. Corlies, M. Barrington, R. Deen, E. Cisneros, E. Jensen, K. Paris, K. Crawford, C. Rojas, L. Mehall, J. Joseph, J.B. Proton, N. Cluff, B. Betts, E. Cloutis, A. Coates, A. Colaprete, K.S. Edgett, B.L. Ehlmann, S. Fagents, J. Grotzinger, C. Tate, C. Hardgrove, K. Herkenhoff, B. Horgan, R. Jaumann, J.R. Johnson, M. Lemmon, G. Paar, M. Caballo-Perucha, S. Gupta, C. Traxler, F. Preusker, M. Rice, M.S. Robinson, N. Schmitz, R. Sullivan, and M.J. Wolff, The Mars 2020 Rover Mast Camera Zoom (Mastcam-Z) Multispectral, Stereoscopic Imaging Investigation, *Space Science Reviews*, 217, 24, [doi:10.1007/s11214-020-00755-x](https://doi.org/10.1007/s11214-020-00755-x), 2020.
- 38.** Bell III, J.F., W.H. Farrand, J.R. Johnson, K. Kinch, M. Lemmon, M. Parente, M.S. Rice, and D.F. Wellington, [Compositional and Mineralogic Analyses of Mars Using Multispectral Imaging on the Mars Exploration Rover, Phoenix, and Mars Science Laboratory Missions](#), Chapter 26 in *Remote Compositional Analysis: Techniques for Understanding Spectroscopy, Mineralogy, and Geochemistry of Planetary Surfaces*, (J.L. Bishop, J. Moersch, and J.F. Bell, III, eds.), Cambridge Univ. Press, pp. 513-537, 2020.
- 37.** Bell III, J.F., A. Godber, S. McNair, M.C. Caplinger, J.N. Maki, M.T. Lemmon, J. Van Beek, M.C. Malin, D. Wellington, K.M. Kinch, M.B. Madsen, C. Hardgrove, M.A. Ravine, E. Jensen, D. Harker, R.B. Anderson, K.E. Herkenhoff, R.V. Morris, E. Cisneros, and R.G. Deen, [The Mars Science Laboratory Curiosity rover Mast Camera \(Mastcam\) instruments: Pre-flight and in-flight calibration, validation, and data archiving](#), *Earth and Space Science*, 4, [doi:10.1002/2016EA000219](https://doi.org/10.1002/2016EA000219), 2017.
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- 35.** Bell III, J.F., M.C. Malin, B.A. Cantor, M.A. Caplinger, M.J. Wolff, J. Fahle, F. Ghaemi, L. Posiolova, M.A. Ravine, K.D. Supulver, W.M. Calvin, R.T. Clancy, K.S. Edgett, L.J. Edwards, R.M. Haberle, A. Hale, P.B. James, S.W. Lee, M.S. Rice, P.C. Thomas, and R.M.E. Williams, Calibration and Performance of the Mars Reconnaissance Orbiter Context Camera (CTX), *Mars*, 8, 1-14, [doi:10.1555/mars.2013.0001](https://doi.org/10.1555/mars.2013.0001), 2013.
- 34.** Bell III, J.F., The search for habitable worlds: Planetary exploration in the 21st century, *Daedalus: Journal of the American Academy of Arts & Sciences*, 141 (3), pp. 8-22, [doi:10.1162/DAED_a_00157](https://doi.org/10.1162/DAED_a_00157), 2012.
- 33.** Bell III, J.F., "Water on Planets," in *Highlights of Astronomy* (Proc. IAU Gen. Assembly XXVII), 15, 29-44, [doi:10.1017/S1743921310008161](https://doi.org/10.1017/S1743921310008161), 2010.
- 32.** Bell III, J.F., M.J. Wolff, M.C. Malin, W.M. Calvin, B.A. Cantor, M.A. Caplinger, R.T. Clancy, K.S. Edgett, L.J. Edwards, J. Fahle, F. Ghaemi, R.M. Haberle, A. Hale, P.B. James, S.W. Lee, T. McConnochie, E. Noe Dobrea, M.A. Ravine, D. Schaeffer, K.D. Supulver, and P.C. Thomas, Mars Reconnaissance Orbiter Mars Color Imager

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ABSTRACTS AND CONFERENCE PRESENTATIONS

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