

PUBLICATIONS BY C. M. FEDO

THESIS and DISSERTATION TITLES

- Ph.D. dissertation title (1994): Geologic evolution of the Archean Buhwa Greenstone Belt and surrounding granite-gneiss terrane, southcentral Zimbabwe. Virginia Polytechnic Institute and State University.
- M.S. thesis title (1990): Sedimentology and evolution of a Miocene half-graben basin, Colorado River extensional corridor, southeastern California. Vanderbilt University.
- B.S. thesis title (1988): Braided fluvial to marine transition: the basal Lower Cambrian Wood Canyon Formation, southern Marble Mountains, Mojave Desert, California. California State University, Fullerton.

PEER-REFEREED RESEARCH ARTICLES & BOOK CHAPTERS

For all publications, Fedo student authorship indicated with an asterisk

- 73) Hantsche, A., Farmer, G.L., Maldonado, G.E., **Fedo, C.M.**, Siddoway, C., in revision, U-Pb and Hf isotopic evidence on the sources and sinks of Grenvillian detrital zircon in early Laurentia: *Geological Society of America Bulletin*.
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- 72) Bristow, T.F., Cuadros, J., Downs, G., **Fedo, C.M.**, Frydenvang, J., McAdam, A.C., Rampe, E.B., Achilles, C.N., Blake, D.F., Castle, N., Chipera, S.J., Craig, P., Des Maarais, D.J., Downs, R.T., Hazen, R.M., Ming, D.W., Morris, R.V., Morrison, S.M., Treiman, A.H., Tu, V., Vaniman, D.T., Yen, A.S., Gellert, R., Mahaffy, P.R., Wiens, R.C., Bryk, A.B., Bennett, K.A., Fox, V.K., Milliken, R.E., Fraeman, A.A., Vasavada, A.R., Grotzinger, J.P., in press, Brine driven diagenesis of clay minerals in Gale Crater, Mars: *Science*.
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- 71) *Bregman, L.A., **Fedo, C.M.**, Whitehouse, M.J., Jabeen, I., and Banerjee, N.R., in press, Evaluating the geochemistry and paired silicon and oxygen isotope record of quartz in siliceous rocks from the ~3 Ga Buhwa Greenstone Belt, Zimbabwe, a critical link to deciphering the Archean silica cycle: *Chemical Geology*.
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- 70) Banham S., Gupta, S., Rubin, D.M., Edgett, K.S., Van Beek, J.K., Watkins, J., Day, M., Edgar, L.A., **Fedo, C.M.**, Williams, R., Stack, K.M., Grotzinger, J.P., Lewis, K.W., Ewing, R.C., Vasavada, A.R., 2021, A Rock Record of Complex Aeolian Bedforms in a Hesperian Desert Landscape: the Stimson formation as exposed in the Murray Buttes, Gale Crater, Mars: *Journal of Geophysical Research – Planets*.
<https://doi.org/10.1029/2020JE006554>

- 69) Achilles, C.N., Rampe, E.B., Downs, R.T., Bristow, T.F., Ming, D.W., Morris, R.V., Vaniman, D.T., Blake, D.F., Yen, A.S., McAdam, A.C., Sutter, B., **Fedo, C.M.**, Gwizd, S., Thompson, L.M., Gellert, R., Morrison, S.M., Treiman, A.H., Crisp, J.A., Gabriel, T.S.J., Chipera, S.J., Hazen, R.M., Craig, P.I., Thorpe, M.T., Des Marais, D.J., Peretyazhko, T.S., Walroth, R.C., Sarrazin, P., Morookian, J.M., 2020, Evidence for Multiple Diagenetic Episodes in Ancient Fluvial-Lacustrine Sedimentary Rocks in Gale Crater, Mars: *Journal of Geophysical Research – Planets*, v.125.
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- 68) *Muhlbauer, J.G., and **Fedo, C.M.**, 2020, Architecture of a fluvial dominated, wave- and tidal-influenced, pre-vegetation braid delta: Cambrian middle member of the Wood Canyon Formation, southern Marble Mountains, California, USA: *Journal of Sedimentary Research*, v. 90, p. 1011-1036.
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- 67) *Bregman, L.A., **Fedo, C.M.**, Whitehouse, M.J., Banerjee, N.R., and Jabeen, I., 2020, Constraining mechanisms of quartz precipitation during silicification and chemical sedimentation in the in the ~2.7 Ga Abitibi Greenstone Belt, Canada: *Precambrian Research*, v. 351, p. 105946.
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