

Rowan C. Martindale- *Publication List*

PEER-REVIEWED PUBLICATIONS [H-INDEX = 7 (01/2017)]; * = UT STUDENT; ** = UT POSTDOC

15. **Martindale, R.C.** and Aberhan, M. 2017. Response of macrobenthic communities to the Toarcian Oceanic Anoxic Event in northeastern Panthalassa (Ya Ha Tinda, Alberta, Canada). *Palaeogeography, Palaeoclimatology, Palaeoecology*. *In Press*, doi: 10.1016/j.palaeo.2017.01.009
14. **Martindale, R.C.**, Them, T.R. II, Gill, B.C., Marroquín, S.M.*, Knoll, A.H., 2017. A new Early Jurassic fossil Lagerstätte from Ya Ha Tinda, Canada (~183 Ma). *Geology*, March 2017, v. 45, p. 255-258, doi: 10.1130/G38808.1.
13. Them, T.R., Gill, B.C., Caruthers, A.H., Gröcke, D.R., Tulskey, E.T.T., **Martindale, R.C.**, Poulton, T.P., Smith, P.L., 2017. High-resolution carbon isotope records of the Toarcian Oceanic Anoxic Event (Early Jurassic) from North America and implications for the global drivers of the Toarcian carbon cycle. *Earth and Planetary Science Letters*, 459, 118–126.
12. **Martindale R.C.**, Strauss, J.V., Sperling, E.A., Johnson, J.E., Van Kranendonk, M.J., Flannery, D., French, K., Lepot, K., Mazumder, R., Rice, M.S., Schrag, D.P., Summons, R., Walter, M., Abelson, J., and Knoll, A.H. 2015. Sedimentology, chemostratigraphy, and stromatolites of lower Paleoproterozoic carbonates, Turee Creek Group, Western Australia. *Precambrian Research* 266, 194–211.
11. Corsetti, F.A. Ritterbush, K.A., Bottjer, D.J., Greene, S.E., Ibarra, Y., Yager, J.A., West, A.J., Berelson, W.M., Rosas, S., Becker, T.W., Levine, N.M., Loyd, S.J., **Martindale R.C.**, Petryshyn, V.A., Carroll, N.R., Petsios, E., Piazza, O., Pietsch, C., Stellmann, J.L., Thompson, J.R., Washington, K.A., and Wilmeth, D.T. 2015. Investigating the Paleoenvironmental Consequences of Supercontinent Breakup: Sponges Clean Up in the Early Jurassic. *The Sedimentary Record*. 13 (2), 4–10.
10. **Martindale R.C.**, Corsetti, F.A., James, N.P., and Bottjer, D.J., 2015. Paleogeographic trends in Late Triassic reef ecology from northeastern Panthalassa. *Earth Science Reviews*. 142, 18–37.
9. **Martindale R.C.**, Krystyn, L., Corsetti, F.A., and Bottjer, D.J., 2013. From fore reef to lagoon: Evolution of the Upper Triassic Dachstein carbonate platform on the Tennengebirge (Salzburg, Austria). *Palaios*, 28, 755–770. *2013 Outstanding Paper in *Palaios*
8. **Martindale R.C.**, Krystyn, L., Bottjer, D.J., Corsetti, F.A., Senowbari-Daryan, B., and Martini, R. 2013. Depth transect of an Upper Triassic (Rhaetian) reef from Gosau, Austria: Microfacies and community ecology. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 376, 1–21.
7. **Martindale R.C.**, Berelson, W.M., Corsetti, F.A., Bottjer, D.J., and West, A.J. 2012. Constraining carbonate chemistry at a potential ocean acidification event (the Triassic-Jurassic boundary) using the presence of corals and coral reefs in the fossil record. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 350–352, 114–123.
6. **Martindale, R.C.**, Corsetti, F.A., Bottjer, D.J., and Senowbari-Daryan, B. 2012. Microbialite Fabrics and Diminutive Skeletal Bioconstructors in Lower Norian Summit Point Reefs, Oregon, U.S.A. *Palaios*, 27, 489–508.

5. Greene, S.E.*, **Martindale, R.C.***, Ritterbush, K.A., Bottjer, D.J., Corsetti, F.A., and Berelson, W.M. 2012. Recognizing ocean acidification in deep time: an evaluation of the evidence for acidification across the Triassic-Jurassic boundary. *Earth Science Reviews*, 113, 72–93. **Both authors contributed equally to the paper*
4. Hönisch, B., Ridgwell, A., Schmidt, D.N., Thomas, E. Gibbs, S.J., Sluijs, A., Zeebe, R., Kump, L., **Martindale, R.C.**, Greene, S.E., Kiessling, W., Ries, J., Zachos, J.C., Royer, D.L., Barker, S., Marchitto, T.M., Moyer, R., Pelejero, C., Ziveri, P., Foster, G.L., and Williams, B., 2012. The Geological Record of Ocean Acidification. *Science*, 335, 1058–1063.
3. **Martindale, R.C.**, Bottjer, D.J., and Corsetti, F.A., 2012. Platy Coral Patch Reefs from Eastern Panthalassa (Nevada, USA): Unique reef construction in the Late Triassic. *Palaeogeography, Palaeoclimatology, Palaeoecology* 313–314. 41–58.
2. **Martindale, R.C.**, Zonneveld, J.P., and Bottjer, D.J. 2010. Framework of Upper Triassic (Carnian) Patch Reefs from Williston Lake, British Columbia, Canada. *Palaeogeography, Palaeoclimatology, Palaeoecology* 297. 609–620.
1. James, N.P., **Martindale, R.C.**, Malcolm, I., Bone, Y., and J. Marshall. 2008. Surficial sediments on the continental shelf of Tasmania, Australia. *Sedimentary Geology*, 211, 33–52.

OTHER PUBLICATIONS (BOOK SECTIONS AND FIELD GUIDES)

2. Zonneveld, J.P., Gingras, M.K., Beatty, T.W., Bottjer, D.J., Chaplin, J.R., Greene, S.E., Martindale R.C., Mata, S.A., McHugh, L.P., Pemberton, S.G., and Schoengut, J.A. 2012. Chapter 26: Mixed Siliciclastic/Carbonate Systems. In: *Trace Fossils as Indicators of Sedimentary Environments*. Knaust, D. and Bromley, R.G. (eds.). *Developments in Sedimentology*, Vol. 64. Elsevier. 924 p.
1. Richoz, S., Krystyn, L., von Hillebrandt, A., and Martindale R.C., 2012. End-Triassic crisis events recorded in platform and basin of the Austrian Alps. The Triassic/Jurassic and Norian/Rhaetian GSSPs. *Field Trip Guide for the 29th IAS Meeting of Sedimentology in Schladming/Austria*. *Journal of Alpine Geology* 55. S.321–374.