

Peer Reviewed Publications:

Burton, D. **Flaig, P.P.**, and Prather, T., (accepted: in revision), Regional controls on depositional trends: Insights from sequence stratigraphic correlation and mapping of the Sege and Loyd Sandstones, Uinta and Piceance Basins of Utah and Colorado, U.S.A.: *Journal of Sedimentary Research*

Flaig, P. P., Hasiotis, S.T., and Jackson, A.M., 2015, An Early Permian, paleopolar, postglacial, river-dominated deltaic succession in the Mackellar-Fairchild Formations at Turnabout Ridge, Central Transantarctic Mountains, Antarctica: *Palaeogeography, Palaeoclimatology, Palaeoecology* v. x, p. x-x, <http://dx.doi.org/10.1016/j.palaeo.2015.08.004>

Suarez, C.A., **Flaig, P.P.**, Ludvigson, G.A., Gonzalez, L.A., Tian, R., Zhou, H., McCarthy, P.J., van der Kolk, D.A., and Fiorillo, A.R., 2015, Reconstructing the paleohydrology of a Cretaceous Alaskan paleopolar coastal plain from stable isotopes of bivalves: *Palaeogeography, Palaeoclimatology, Palaeoecology* v. x, p. x-x, <http://dx.doi.org/10.1016/j.palaeo.2015.07.025>

Jackson, A., Hasiotis, S.T., and **Flaig, P.P.**, 2015, Ichnology of a paleopolar, river-dominated, shallow marine deltaic succession in the Mackellar Sea: The Mackellar Formation (Lower Permian) Central Transantarctic Mountains, Antarctica: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. x, p. x-x, <http://dx.doi.org/10.1016/j.palaeo.2015.07.010>

Fiorillo, A.R., McCarthy, P.J., and **Flaig, P.P.**, 2015, A multi-disciplinary perspective on habitat preferences among dinosaurs in a Cretaceous Arctic greenhouse world, North Slope, Alaska (Prince Creek Formation: Lower Maastrichtian): *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. x, p. x-x, <http://dx.doi.org/10.1016/j.palaeo.2015.07.024>

van der Kolk, D.A., **Flaig, P.P.**, and Hasiotis, S.T., 2015, Paleoenvironmental reconstruction of a Late Cretaceous, muddy, river-dominated polar deltaic system: Schrader Bluff - Prince Creek Formation transition, Shivugak Bluffs, North Slope of Alaska, U.S.A.: *Journal of Sedimentary Research*, v. 85, n. 8, p. 903-936, <http://dx.doi.org/10.2110/jsr.2015.58>

Flaig, P.P., Fiorillo, A.R., and McCarthy, P.J., 2014, Dinosaur-bearing hyperconcentrated flows of Cretaceous Arctic Alaska: Recurring catastrophic event beds on a distal paleopolar coastal plain *PALAIOS*, v. 29, p. 594-611, <http://dx.doi.org/10.2110/palo.2013.133>

Hudock, J.W., **Flaig, P.P.**, and Wood, L.J., 2014, Washover fans: A modern geomorphologic analysis and proposed classification scheme to improve reservoir models: *Journal of Sedimentary Research*, v. 84, p. 854-865, <http://dx.doi.org/10.2110/jsr.2014.64>

Suarez, C.A., Ludvigson, G.A., Gonzalez, L.A., Fiorillo, A. R., **Flaig, P.P.**, and McCarthy, P.J., 2013, Use of multiple oxygen isotope proxies for elucidating Arctic Cretaceous paleohydrology, *in* Bojar, A.V., Melinte-Dobrinescu, M.C., and Smit, J., eds. *Isotopic Studies in Cretaceous Research*, Geological Society of London Special Publication 382, p. 185-202, <http://dx.doi.org/10.1144/SP382.3>

Flaig, P.P., McCarthy, P.J., and Fiorillo, A.R., 2013, Anatomy, evolution, and paleoenvironmental interpretation of an ancient Arctic coastal plain: Integrated paleopedology and palynology from the Upper Cretaceous (Maastrichtian) Prince Creek Formation, North Slope, Alaska, USA, *in* Driese, S.G., and Nordt, L.C., eds., *New Frontiers in Paleopedology and Terrestrial*

Paleoclimatology: Paleosols and Soil Surface Analog Systems, SEPM Special Publication 104, p. 179-230, <http://dx.doi.org/10.2110/sepmsp.104.14>

Gulbranson, E., Taylor, E., Taylor, T., Ryberg, P., Isbell, J., and **Flaig, P.**, 2012, Permian polar forests: Deciduousness and environmental variation: *Geobiology*, v. 10, p. 479-495, <http://dx.doi.org/10.1111/j.1472-4669.2012.00338.x>

Burton, D., Dunlap, D.D., Wood, L.J., and **Flaig, P.P.**, 2011, LiDAR Intensity as a remote sensor of rock properties: *Journal of Sedimentary Research*, v. 81, p. 399-347, <http://dx.doi.org/10.2110/jsr.2011.31>

Flaig, P.P., McCarthy, P.J., and Fiorillo, A.R., 2011, A tidally-influenced, high-latitude coastal-plain: The Upper Cretaceous (Maastrichtian) Prince Creek Formation, North Slope, Alaska, *in* Davidson, S., Leleu, S., and North, C. eds., *From River to Rock Record: The Preservation of Fluvial Sediments and their Subsequent Interpretation*, SEPM Special Publication 97, p. 233-264. <http://dx.doi.org/10.2110/sepmsp.097.233>

Fiorillo, A.R., McCarthy, P.J., and **Flaig, P.P.**, 2010, Taphonomic and sedimentologic interpretations of the dinosaur-bearing Upper Cretaceous strata of the Prince Creek Formation, northern Alaska: Insights from an ancient high-latitude terrestrial ecosystem. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 295, p. 376-388, <http://dx.doi.org/10.1016/j.palaeo.2010.02.029>

Fiorillo, A.R., McCarthy, P.J., **Flaig, P.P.**, Brandlen, E., Norton, D., Jacobs, L., Zippi, P., and Gangloff, R.A., 2010, Paleontology and paleoenvironmental interpretation of the Kikak-Tegoseak Dinosaur Quarry, (Prince Creek Formation: Late Cretaceous), northern Alaska: A multi-disciplinary study of an ancient high-latitude, *Ceratopsian* dinosaur bonebed, *in* Ryan, M.J., Chinner-Algeier, B.J., and Eberth, D.A., eds., *New Perspectives on Horned Dinosaurs: The Royall Tyrell Museum Ceratopsian Symposium*, Indiana University Press, Bloomington, IN, p. 456-477, ISBN: 978-0-253-35358-0

Fiorillo, A.R., Tykoski, R., Currie, P., McCarthy, P.J., **Flaig, P.P.**, 2009, Description of two partial Troodon braincases from the Prince Creek Formation (Upper Cretaceous) North Slope, Alaska: *Journal of Vertebrate Paleontology*, v. 29, n. 1, p. 178-187, <http://dx.doi.org/10.1671/039.029.0108>

Peer Reviewed State Reports:

Flaig, P.P. and van der Kolk, D.A., 2015, Depositional environments of the Prince Creek Formation along the east side of the Toolik River, Sagavanirktok Quadrangle, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2015-4, 17 p., 1 sheet. <http://dx.doi.org/10.14509/29407>