RESEARCH ARTICLES

Inferring fluvial morphodynamics and overbank flow control from 3D outcrop sections of a Pleistocene point bar, Dandiero Basin, Eritrea
Massimiliano Ghinassi, Paolo Billi, Yosief Libsekal, Mauro Papini, and Lorenzo Rook

Growth dynamics of Pennsylvanian carbonate mounds from a mixed terrigenous–carbonate ramp in the Puebla de Lillo area, Cantabrian Mountains, northern Spain
E. Samankassou, K. Von Allmen, and J.R. Bahamonde

Carbonate lake deposits associated with distal siliciclastic perennial-river systems
Elizabeth Gierlowski-Kordesch, David B. Finkelstein, Jessie J. Truchan Holland, and Kevin D. Kallini

Root calcretes and uranium-bearing silcretes at sedimentary discontinuities in the Miocene of the Madrid Basin (Toledo, Spain)
M. Ángeles Bustillo, Chloé Plet, and Ana M. Alonso-Zarza

Assessing detrital garnet chemical composition as a quantitative provenance tool: a multivariate statistical approach
Jack Hietpas, Scott Samson, Jacqueline Speir, and David Moecher

A linkage among Pangean tectonism, cyclic alluviation, climate change, and biologic turnover in the Late Triassic: the record from the Chinle Formation, southwestern United States

Experimental investigation of sediment-dominated vs. tectonics-dominated sediment transport systems in subsiding basins
Kyle M. Straub, Chris Paola, Wonsuck Kim, and Ben Sheets

Lower Devonian coaly shales of northern New Brunswick, Canada: plant accumulations in the early stages of terrestrial colonization
Kirsten L. Kennedy, Martin R. Gibling, Cortland F. Eble, Robert A. Gastaldo, Patricia G. Gensel, Ulrike Werner-Zwanziger, and Reginald A. Wilson

RESEARCH METHODS

Simple X-ray diffraction techniques to identify Mg calcite, dolomite, and magnesite in tropical coralline algae and assess peak asymmetry
Merinda C. Nash, Bradley N. Opdyke, Zhongwei Wu, Huifang Xu, and Janice M. Trafford
DISCUSSION AND REPLY

Bedload transport of mud across a wide, storm-influenced ramp: Cenomanian–Turonian Kaskapau Formation, Western Canada Foreland Basin—Discussion

Juergen Schieber and Richard Bennett

Bedload transport of mud across a wide, storm-influenced ramp: Cenomanian–Turonian Kaskapau Formation, Western Canada Foreland Basin—Reply

A. Guy Plint and Joe H.S. Macquaker