

Peer-reviewed Publications (updated 07/15/2020)

2020

13. **Zhang, J.**, Sylvester, Z. and Covault, J., 2020. How do basin margins record long-term tectonic and climatic changes?. **Geology**.
12. Zhao, R., **Zhang, J.**, Zhou, C., Zhang, Z., Chen, S., Stockli, D. F., ... and Wang, H., 2020, *Tectonic evolution of Tianshan-Bogda-Kelameili mountains, clastic wedge basin infill and chronostratigraphic divisions in the source-to-sink systems of Permian-Jurassic, southern Junggar Basin*. **Marine and Petroleum Geology**, doi: 10.1016/j.marpetgeo.2019.104200
11. Steel, R., Olariu, C., **Zhang, J.**, and Chen, S., 2020, *What is the topset of a shelf-margin prism?*. **Basin Research**, doi: 10.1111/br.12394
10. **Zhang, J.**, Olariu, C., Steel, R., and Kim W., 2020, *Climatically controlled lacustrine clinofolds: Theoretical and modelling results*. **Basin Research**, doi: 10.1111/br.12383

2019

9. **Zhang, J.**, Kim, W., Olariu, C., and Steel, R., 2019, *Accommodation- versus supply-dominated systems for sediment partitioning to deep water*. **Geology**, doi: 10.1130/G45730.
8. **Zhang, J.**, Burgess, P., Granjeon, D., and Steel, R., 2019, *Accommodation and supply dominated sequences: Insights from stratigraphic forward modeling*. **Basin Research**, doi: 10.1111/br.12320
7. **Zhang, J.**, Valentina, R., Peng, Y., Steel, R., and Ambrose, W., 2019, *Revisiting Paleocene Lower Wilcox deltas, Gulf of Mexico: River-dominated or mixed-process deltas?*. **Sedimentary Geology**, doi: 10.1016/j.sedgeo.2019.05.007
6. Zhao, R., Chen, S., Olariu, C., Steel, R., **Zhang, J.**, and Wang, H., 2019. *A model for oblique accretion on the South China Sea margin; Red River sediment transport into Qiongdongnan Basin since Upper Miocene*. **Marine Geology**, doi: 10.1016/j.margeo.2019.106001

2018

5. **Zhang, J.**, Covault, J., Pyrcz, M., Sharman, G., Carvajal, C., and Milliken, K., 2018, *Quantifying sediment supply to continental margins: Application to the Paleogene Wilcox Group, Gulf of Mexico*. **AAPG Bulletin**, doi: 10.1306/01081817308

2017

4. **Zhang, J.**, Steel, R., and Ambrose, W., 2017, *Paleocene Wilcox cross-shelf channel-belt history and shelf-margin growth: Key to Gulf of Mexico sediment delivery*. **Sedimentary Geology**, doi: 10.1016/j.sedgeo.2017.10.001.
3. **Zhang, J.**, Steel, R., and Olariu, C., 2017, *What conditions are required for deltas to reach the shelf edge during rising sea level?*. **Geology**, doi: 10.1130/G39676.1.
2. Hessler, A., **Zhang, J.**, Covault, J., and Ambrose, W., 2017, *Continental weathering coupled to Paleogene climate changes in North America*. **Geology**, doi:10.1130/G39245.1.

2016

1. **Zhang, J.**, Steel, R., and Ambrose, W., 2016, *Greenhouse shoreline migration: Wilcox deltas*. **AAPG Bulletin**, doi: 10.1306/04151615190.