

## Publications for Dietmar Muller

### 2018

Barnett-Moore, N., Muller, D., Williams, S., Skogseid, J., Seton, M. (2018). A reconstruction of the North Atlantic since the earliest Jurassic. *Basin Research*, 30(Suppl 1), 160-185. <a href="http://dx.doi.org/10.1111/bre.12214">[More Information]</a>

Muller, R., Matthews, K., Sandwell, D. (2018). Advances in Imaging Small-Scale Seafloor and Sub-Seafloor Tectonic Fabric Using Satellite Altimetry. In Detlef Stammer, Anny Cazenave (Eds.), *Satellite Altimetry Over Oceans and Land Surfaces*, (pp. 523-546). Australia: CRC Press.

T'Anson, A., Deighton, I., Muller, R., Dutkiewicz, A., Heine, C. (2018). Burial and exhumation history of the Galilee Basin, Australia: Implications for unconventional hydrocarbon prospectivity. *AAPG Bulletin*, 102(No. 3), 483-507. <a href="http://dx.doi.org/10.1306/0608171609417067">[More Information]</a>

Thran, A., Dutkiewicz, A., Spence, P., Muller, R. (2018). Controls on the global distribution of contourite drifts: Insights from an eddy-resolving ocean model. *Earth and Planetary Science Letters*, 489, 228-240.

Muller, R., Hassan, R., Gurnis, M., Flament, N., Williams, S. (2018). Dynamic topography of passive continental margins and their hinterlands since the Cretaceous. *Gondwana Research*, 53, 225-251. <a href="http://dx.doi.org/10.1016/j.gr.2017.04.028">[More Information]</a>

Gurnis, M., Yang, T., Cannon, J., Turner, M., Williams, S., Flament, N., Muller, R. (2018). Global tectonic reconstructions with continuously deforming and evolving rigid plates. *Computers and Geosciences*, 116, 32-41. <a href="http://dx.doi.org/10.1016/j.cageo.2018.04.007">[More Information]</a>

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Muller, R., Dutkiewicz, A. (2018). Oceanic crustal carbon cycle drives 26-million-year atmospheric carbon dioxide periodicities. *Science Advances*, Vol. 4, no. 2, eaaq0500, 1-7. <a href="http://dx.doi.org/10.1126/sciadv.aaq0500">[More Information]</a>

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Brocard, G., Ding, X., Salles, T., Zahirovic, S., Rey, P., Muller, R. (2018). Transcontinental Cainozoic paleovalleys of Western Australia. *2018 Australian Exploration Geoscience Conference (AEGC 2018)*, Sydney: Australian Society of Exploration Geophysicists.

### 2017

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D., Muller, R., et al (2017). A full-plate global reconstruction of the Neoproterozoic. *Gondwana Research*, 50, 84-134. <a href="http://dx.doi.org/10.1016/j.gr.2017.04.001">[More Information]</a>

Macleod, S., Williams, S., Matthews, K., Muller, R., Qin, X. (2017). A global review and digital database of large-scale extinct spreading centers. *Geosphere*, 13(3), 911-949. <a href="http://dx.doi.org/10.1130/GES01379.1">[More Information]</a>

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(2017). Origin and evolution of the deep thermochemical structure beneath Eurasia. *Nature Communications*, 8, 1-9. <a href="http://dx.doi.org/10.1038/ncomms14164">[More Information]</a>

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