

José Manuel Mogollón Lee

Scientific Communications

Published/accepted, peer reviewed publications

- **Mogollón, J.M.**, Beusen, A.H.W., van Grinsven, H.J.M., Westhoek, H., Bouwman, A.F. (Accepted), Future agricultural phosphorus demand according to the shared socioeconomic pathways, *Global Environmental Change*, (article not yet online).
- **Mogollón, J.M.**, Lassaletta, L., Beusen, A.H.W., van Grinsven, H.J.M., Westhoek, H., Bouwman, A.F. (2018), Assessing future reactive nitrogen inputs into global croplands based on the shared socioeconomic pathways, *Environmental Research Letters*, v. 13, 044008, doi:10.1088/1748-9326/aab212.
- Vilmin, L., **Mogollón, J.M.**, Beusen, A.H.W., Bouwman, A.F., (2018), Forms and subannual variability of nitrogen and phosphorus loading to global river networks over the 20th century, *Global and Planetary Change*, v.163, p. 67-85, doi:10.1016/j.gloplacha.2018.02.007.
- Oehler, T., **Mogollón, J.M.**, Moosdorf, N., Kopf, A., Pichler, T., (2017), Submarine groundwater discharge within a landslide scar at the French Mediterranean coast, *Estuarine, Coastal and Shelf Science*, v.198, p. 128-137, doi:10.1016/j.ecss.2017.09.006.
- Kuhn, G., Hillenbrand, C.-D., Kasten, S., Smith, J.A., Nitsche, F., Frederichs, T., Wiers, S., Ehrmann, W., Johann P. Klages, J.P., **Mogollón, J.M.** (2017), Evidence for a palaeo-subglacial lake on the Antarctic continental shelf, *Nature Communications*, 15591, doi:10.1038/ncomms15591 .
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- Zhang, J., Beusen, A.H.W., van Apeldoorn, D.F., **Mogollón, J.M.**, Yu, C., Bouwman, A.F. (2017), Spatiotemporal dynamics of soil phosphorus and crop uptake in global cropland during the twentieth century. *Biogeosciences*, v.14, p. 2055-2068, doi:10.5194/bg-2016-543.
- Galić, A., Mason, P.R.D., **Mogollón, J.M.**, Wolthers, M., Vroon, P.Z., Whitehouse, M.J., (2017) Pyrite in a sulfate-poor Paleoproterozoic basin was derived predominantly from elemental sulfur: evidence from 3.2 Ga sediments in the Barberton Greenstone Belt, Kaapvaal Craton, *Chemical Geology*, v.449, p. 135-146 doi:10.1016/j.chemgeo.2016.12.006.
- **Mogollón, J.M.**, Mewes, K., Kasten, S., (2016) Quantifying manganese and nitrogen cycle coupling in manganese-rich, organic carbon-starved marine sediments: examples from the Clarion-Clipperton fracture zone, *Geophysical Research Letters*, v.43, p. 7114-7123, doi:10.1002/2016GL069117.
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Highlighted in, amongst others: New York Times -1, New York Times -2, Discovery news, SPIEGEL.
- **Mogollón, J.M.**, Dale, A. W., Jensen, J.B., Schlüter, M., Regnier, P. (2013), A method for the calculation of anaerobic oxidation of methane rates across regional scales: an example from the Belt Seas and The Sound (North Sea – Baltic Sea transition), *Geo-Marine Letters*, v.33, p.299-310, [doi:10.1007/s00367-013-0329-z](https://doi.org/10.1007/s00367-013-0329-z)
- Henkel, S., **Mogollón, J.M.**, Nöthen, K., Franke, C., Bogus, K., Robin, E., Bahr, A., Blumenberg, M., Pape, T., Seifert, R., März, C., de Lange, G.-J., Kasten, S. (2012), Diagenetic barium cycling in Black Sea sediments - A case study for anoxic marine environments, *Geochimica et Cosmochimica Acta*, v. 88, p. 88-105, [doi:10.1016/j.gca.2012.04.021](https://doi.org/10.1016/j.gca.2012.04.021)
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