

Some references:

Deep structure

- Gómez de la Peña, L., Ranero, C. R., & Gràcia, E. (2018). The Crustal Domains of the Alboran Basin (Western Mediterranean). *Tectonics*, 37(10), 3352–3377. <https://doi.org/10.1029/2017TC004946>
- Gómez de la Peña, L., Grevemeyer, I., Kopp, H., Díaz, J., Gallart, J., Booth-Rea, G., Gràcia, E., & Ranero, C. R. (2020). The Lithospheric Structure of the Gibraltar Arc System From Wide-Angle Seismic Data. *Journal of Geophysical Research: Solid Earth*, 125(9). <https://doi.org/10.1029/2020jb019854>
- Booth-Rea, G., R. Ranero, C., & Grevemeyer, I. (2018). The Alboran volcanic-arc modulated the Messinian faunal exchange and salinity crisis. *Scientific Reports*, 8(1), 1–14. <https://doi.org/10.1038/s41598-018-31307-7>

Basin evolution

- Gómez de la Peña, L., R. Ranero, C., Gràcia, E., & Booth-Rea, G. (2021). The evolution of the westernmost Mediterranean basins. *Earth-Science Reviews*, 214(November 2020). <https://doi.org/10.1016/j.earscirev.2020.103445>

Active tectonics

- Gómez de la Peña, L., Gràcia, E., Maesano, F. E., Basili, R., Kopp, H., Sánchez-Serra, C., Scala, A., Romano, F., Volpe, M., Piatanesi, A., & R. Ranero, C. (2022). A first appraisal of the seismogenic and tsunamigenic potential of the largest fault systems in the westernmost Mediterranean. *Marine Geology*, 445(February). <https://doi.org/10.1016/j.margeo.2022.106749>
- Gràcia, E., Grevemeyer, I., Bartolomé, R., Perea, H., Martínez-Loriente, S., Gómez de la Peña, L., Villaseñor, A., Klinger, Y., Lo Iacono, C., Diez, S., Calahorrano, A., Camafort, M., Costa, S., d'Acremont, E., Rabaute, A., & Ranero, C. R. (2019). Earthquake crisis unveils the growth of an incipient continental fault system. *Nature Communications*, 10(1), 1–12. <https://doi.org/10.1038/s41467-019-11064-5>
- Gómez de la Peña, L., Ranero, C.R., Gràcia, E., Booth-Rea, G., Azañón, J.M., Tinivella, U., Yelles-Chaouche, A.: Evidence for a developing plate boundary in the western Mediterranean. *Nature Communications* (2022).