



Instituto Andaluz  
Universitario de  
Geofísica y Prevención  
de Desastres Sísmicos

## Publicaciones

### Artículos de investigación

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- Carmona E, Almendros J, Serrano I, Stich D, Ibáñez J M (2012), Results of seismic monitoring surveys of Deception Island volcano, Antarctica, from 1999-2011, *Antarctic Science* 24, 485-499, [doi:10.1017/S0954102012000314](https://doi.org/10.1017/S0954102012000314)
- Stich D, Almendros J, Jiménez V, Mancilla F, Carmona E (2011), Ocean noise triggering of rhythmic long period events at Deception Island volcano, *Geophys. Res. Lett.* 38, L22307, [doi:10.1029/2011GL049671](https://doi.org/10.1029/2011GL049671)
- Luzón F, Almendros J, García-Jerez A (2011), Shallow structure of Deception Island, Antarctica, from correlations of ambient seismic noise on a set of dense seismic arrays, *Geophys. J. Int.* 185, 737-748, [doi:10.1111/j.1365-246X.2011.04962.x](https://doi.org/10.1111/j.1365-246X.2011.04962.x)
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- Carmona E, Almendros J, Peña J A, Ibáñez J M (2010), Characterization of fracture systems using precise array locations of earthquake multiplets: An example at Deception Island volcano, Antarctica, *J. Geophys. Res.* 115, B06309, [doi:10.1029/2009JB006865](https://doi.org/10.1029/2009JB006865)
- Zandomenighi D, Barclay A, Almendros J, Ibáñez J M, Wilcock W, Ben Zvi T (2009), Crustal structure of Deception Island volcano from P-wave seismic tomography: Tectonic and volcanic implications, *J. Geophys. Res.* 114, B06310, [doi:10.1029/2008JB006119](https://doi.org/10.1029/2008JB006119)
- Barclay A H, Wilcock W S D, Ibáñez J M (2009), Bathymetric constraints on the tectonic and volcanic evolution of Deception Island Volcano, South Shetland Islands, *Antarctic Science* 21, 153-167, [doi:10.1017/S0954102008001673](https://doi.org/10.1017/S0954102008001673)

- Ben Zvi T, Wilcock W S D, Barclay A H, Zandomenighi D, Ibáñez J M, Almendros J (2009), The P-wave velocity structure of Deception Island, Antarctica, from two-dimensional seismic tomography, *J. Volcan. Geotherm. Res.* 180, 67-80, [doi:10.1016/j.jvolgeores.2008.11.020](https://doi.org/10.1016/j.jvolgeores.2008.11.020)
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- Almendros J, Ibáñez J M, Alguacil G, Del Pezzo E (1999), Array analysis using circular-wave-front geometry: an application to locate the nearby seismo-volcanic source, *Geophys. J. Int.* 136, 159-170, [doi:10.1046/j.1365-246X.1999.00699.x](https://doi.org/10.1046/j.1365-246X.1999.00699.x)
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## Tesis doctorales

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- Carmona E (2009), Caracterización de sistemas de fractura mediante la localización relativa de terremotos tectónicos y volcánicos con métodos clásicos y técnicas de array.
- Zandomenighi D (2007), Passive and active seismic tomography of volcanic islands Sao Miguel (Portugal) and Deception (Antarctica).
- Abril M (2007), Evolución, diseño y desarrollo de antenas sísmicas: las antenas del Gran Sasso, del Vesubio y las nuevas antenas sísmicas portátiles del Instituto Andaluz de Geofísica. Aplicación a zonas tectónicas y volcánicas.
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