

# A MartÃ-

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

689  
citations

687335

13  
h-index

752679

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

718  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional interpretation of three-dimensional magnetotelluric data: an example of limitations and resolution. <i>Geophysical Journal International</i> , 2002, 150, 127-139.	2.4	118
2	The Role of Electrical Anisotropy in Magnetotelluric Responses: From Modelling and Dimensionality Analysis to Inversion and Interpretation. <i>Surveys in Geophysics</i> , 2014, 35, 179-218.	4.6	81
3	Magnetotelluric 3-D inversion – a review of two successful workshops on forward and inversion code testing and comparison. <i>Geophysical Journal International</i> , 2013, 193, 1216-1238.	2.4	79
4	WALDIM: A code for the dimensionality analysis of magnetotelluric data using the rotational invariants of the magnetotelluric tensor. <i>Computers and Geosciences</i> , 2009, 35, 2295-2303.	4.2	73
5	The North Maladeta Fault (Spanish Central Pyrenees) as the Vielha 1923 earthquake seismic source: Recent activity revealed by geomorphological and geophysical research. <i>Tectonophysics</i> , 2008, 453, 246-262.	2.2	47
6	Goelectric dimensionality in complex geological areas: application to the Spanish Betic Chain. <i>Geophysical Journal International</i> , 2004, 157, 961-974.	2.4	35
7	Improving Bahr's invariant parameters using the WAL approach. <i>Geophysical Journal International</i> , 2005, 163, 38-41.	2.4	34
8	Dimensionality imprint of electrical anisotropy in magnetotelluric responses. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 182, 139-151.	1.9	33
9	Palaeoenvironments of the Late Miocene Práxedo Basin: implications for the uplift of the Central Pyrenees. <i>Journal of the Geological Society</i> , 2013, 170, 79-92.	2.1	30
10	Integrating Hydrogeological and Geophysical Methods for the Characterization of a Deltaic Aquifer System. <i>Surveys in Geophysics</i> , 2011, 32, 857-873.	4.6	29
11	Deep electrical resistivity structure of the northern Gibraltar Arc (western Mediterranean): evidence of lithospheric slab break-off. <i>Terra Nova</i> , 2011, 23, 179-186.	2.1	27
12	Geodynamic implications for the formation of the Betic-Rif orogen from magnetotelluric studies. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
13	Structure of the mantle beneath the Iberian Basin from magnetotelluric soundings. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4261-4274.	2.5	18
14	3-D magnetotelluric image of offshore magmatism at the Walvis Ridge and rift basin. <i>Tectonophysics</i> , 2016, 683, 98-108.	2.2	15
15	Magnetotelluric characterization of the Alhama de Murcia Fault (Eastern Betics, Spain) and study of magnetotelluric interstation impedance inversion. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	15
16	Integrated seismic ambient noise, magnetotellurics and gravity data for the 2D interpretation of the Vallés basin structure in the geothermal system of La Garriga-Samalús (NE Spain). <i>Geothermics</i> , 2021, 93, 102067.	3.4	11
17	New Detailed Modeling of GICs in the Spanish Power Transmission Grid. <i>Space Weather</i> , 2021, 19, e2021SW002805.	3.7	9
18	Three-Dimensional Magnetotelluric Characterization of the Travale Geothermal Field (Italy). <i>Remote Sensing</i> , 2022, 14, 542.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Complex structure of Piton de la Fournaise and its underlying lithosphere revealed by magnetotelluric 3D inversion. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 200-210.	2.1	4
20	Els Casots (Subirats, Catalonia), a key site for the Miocene vertebrate record of Southwestern Europe. <i>Historical Biology</i> , 2022, 34, 1494-1508.	1.4	3