

# Mario Ruiz Fernandez

## List of Publications by Year in descending order

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39  
papers

1,009  
citations

394421

19  
h-index

434195

31  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crustal Imbrication in an Alpine Intraplate Mountain Range: A Wide-Angle Cross-Section Across the Spanish-Portuguese Central System. <i>Tectonics</i> , 2022, 41, .	2.8	1
2	Seismic monitoring of urban activity in Barcelona during the COVID-19 lockdown. <i>Solid Earth</i> , 2021, 12, 725-739.	2.8	13
3	Reassessing the lithosphere: SeisDARE, an open-access seismic data repository. <i>Earth System Science Data</i> , 2021, 13, 1053-1071.	9.9	10
4	Horizontal-to-Vertical Spectral Ratio of Ambient Vibration Obtained with Hilbert-Huang Transform. <i>Sensors</i> , 2021, 21, 3292.	3.8	3
5	Four decades of geophysical research on Iberia and adjacent margins. <i>Earth-Science Reviews</i> , 2021, 222, 103841.	9.1	8
6	On the observation of magnetic events on broad-band seismometers. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	5
7	Seismometers Within Cities: A Tool to Connect Earth Sciences and Society. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	24
8	What can seismic noise tell us about the Alpine reactivation of the Iberian Massif? An example in the Iberian Central System. <i>Solid Earth</i> , 2020, 11, 2499-2513.	2.8	8
9	Detailed 3D Subsurface Geophysical Model: Data Integration, Multi-parameter Inversion and Statistical Integrated Interpretation: The case study of the Zancara River Basin (Cuenca, Spain). <i>Acta Geologica Sinica</i> , 2019, 93, 289-289.	1.4	1
10	Hierarchical classification of snowmelt episodes in the Pyrenees using seismic data. <i>PLoS ONE</i> , 2019, 14, e0223644.	2.5	3
11	Lithospheric image of the Central Iberian Zone (Iberian Massif) using global-phase seismic interferometry. <i>Solid Earth</i> , 2019, 10, 1937-1950.	2.8	17
12	3-D seismic travel-time tomography validation of a detailed subsurface model: a case study of the Zancara river basin (Cuenca, Spain). <i>Solid Earth</i> , 2019, 10, 177-192.	2.8	3
13	Seismicity and Noise Recorded by Passive Seismic Monitoring of Drilling Operations Offshore the Eastern Canary Islands. <i>Seismological Research Letters</i> , 2019, , .	1.9	6
14	Estudio cortical del Pirineo mediante refracci3n y reflexi3n de gran 3ngulo utilizando terremotos como fuente s3smica natural. <i>Boletin Geologico Y Minero</i> , 2019, 130, 417-444.	0.1	1
15	The non-cylindrical crustal architecture of the Pyrenees. <i>Scientific Reports</i> , 2018, 8, 9591.	3.3	75
16	Mapping the crustal structure beneath the eastern Pyrenees. <i>Tectonophysics</i> , 2018, 744, 296-309.	2.2	24
17	Crustal structure of the North Iberian continental margin from seismic refraction/wide-angle reflection profiles. <i>Tectonophysics</i> , 2017, 717, 65-82.	2.2	26
18	Urban Seismology: on the origin of earth vibrations within a city. <i>Scientific Reports</i> , 2017, 7, 15296.	3.3	82

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19	The deep roots of the western Pyrenees revealed by full waveform inversion of teleseismic P waves. <i>Geology</i> , 2016, 44, 475-478.	4.4	99
20	From the Bay of Biscay to the High Atlas: Completing the anisotropic characterization of the upper mantle beneath the westernmost Mediterranean region. <i>Tectonophysics</i> , 2015, 663, 192-202.	2.2	31
21	The Pyrenean architecture as revealed by teleseismic P-to-S converted waves recorded along two dense transects. <i>Geophysical Journal International</i> , 2015, 200, 1094-1105.	2.4	56
22	Crustal structure of an intraplate thrust belt: The Iberian Chain revealed by wide-angle seismic, magnetotelluric soundings and gravity data. <i>Tectonophysics</i> , 2015, 663, 339-353.	2.2	16
23	On the Ability of the Benford's Law to Detect Earthquakes and Discriminate Seismic Signals. <i>Seismological Research Letters</i> , 2015, 86, 192-201.	1.9	7
24	High-resolution imaging of the Pyrenees and Massif Central from the data of the PYROPE and IBERARRAY portable array deployments. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6399-6420.	3.4	83
25	Seismic monitoring of an Alpine mountain river. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 3276-3289.	3.4	37
26	Seismic activity offshore Martinique and Dominica islands (Central Lesser Antilles subduction zone) from temporary onshore and offshore seismic networks. <i>Tectonophysics</i> , 2013, 603, 68-78.	2.2	20
27	Seismic structure and activity of the north-central Lesser Antilles subduction zone from an integrated approach: Similarities with the Tohoku forearc. <i>Tectonophysics</i> , 2013, 603, 1-20.	2.2	37
28	Structure of the Lesser Antilles subduction forearc and backstop from 3D seismic refraction tomography. <i>Tectonophysics</i> , 2013, 603, 55-67.	2.2	27
29	Mapping the indentation between the Iberian and Eurasian plates beneath the Western Pyrenees/Eastern Cantabrian Mountains from receiver function analysis. <i>Tectonophysics</i> , 2012, 570-571, 114-122.	2.2	20
30	Crustal structure beneath North-West Iberia imaged using receiver functions. <i>Tectonophysics</i> , 2009, 478, 175-183.	2.2	11
31	Seismicity analysis at the Prestige oil-tanker wreck area (Galicia Margin, NW of Iberia). <i>Marine Geology</i> , 2008, 249, 150-165.	2.1	15
32	The deep seismic reflection MARCONI-3 profile: Role of extensional Mesozoic structure during the Pyrenean contractional deformation at the eastern part of the Bay of Biscay. <i>Marine and Petroleum Geology</i> , 2008, 25, 714-730.	3.3	74
33	Probing seismic anisotropy in North Iberia from shear wave splitting. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 158, 210-225.	1.9	17
34	Seismic activity at the western Pyrenean edge. <i>Tectonophysics</i> , 2006, 412, 217-235.	2.2	36
35	Aftershocks series monitoring of the September 18, 2004 M=4.6 earthquake at the western Pyrenees: A case of reservoir-triggered seismicity?. <i>Tectonophysics</i> , 2006, 424, 223-243.	2.2	23
36	Seismotectonic constraints at the western edge of the Pyrenees: aftershock series monitoring of the 2002 February 21, 4.1 Lg earthquake. <i>Geophysical Journal International</i> , 2006, 166, 238-252.	2.4	11

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37	Geological characterization of the Prestige sinking area. Marine Pollution Bulletin, 2006, 53, 208-219.	5.0	24
38	Tracking fin whale calls offshore the Galicia Margin, North East Atlantic Ocean. Journal of the Acoustical Society of America, 2006, 120, 2077-2085.	1.1	35
39	Teleseismic imaging of alpine crustal underthrusting beneath Niberia. Geophysical Research Letters, 2003, 30, .	4.0	15