

Francisco Gonzalez Lodeiro

List of Publications by Year in descending order

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73
papers

3,644
citations

109321

35
h-index

128289

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74
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74
docs citations

74
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Crustal structure of the transpressional Variscan orogen of SW Iberia: SW Iberia deep seismic reflection profile (IBERSEIS). <i>Tectonics</i> , 2003, 22, n/a-n/a.	2.8	228
2	The tectonic frame of the Variscan-Alleghanian orogen in Southern Europe and Northern Africa. <i>Tectonophysics</i> , 2005, 398, 181-198.	2.2	151
3	Zircon Inheritance Reveals Exceptionally Fast Crustal Magma Generation Processes in Central Iberia during the Cambro-Ordovician. <i>Journal of Petrology</i> , 2007, 48, 2327-2339.	2.8	150
4	⁴⁰ Ar/ ³⁹ Ar geochronology of Alpine tectonism in the Betic Cordilleras (southern Spain). <i>Journal of the Geological Society</i> , 1991, 148, 289-297.	2.1	148
5	Progressive extensional shear structures in a detachment contact in the Western Sierra Nevada (Betic) Tj ETQq1 1 0.784314 rgBT /Over	2.2	135
6	Spatial analysis of stream power using GIS: SLk anomaly maps. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 16-25.	2.5	126
7	Active continental subduction beneath the Betic Cordillera and the Alborán Sea. <i>Geology</i> , 1999, 27, 735.	4.4	123
8	Tectonic evolution of the boundary between the Central Iberian and Ossa-Morena zones (Variscan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	117
9	Structural and geochronological constraints on the evolution of the Bou Azzer Neoproterozoic ophiolite (Anti-Atlas, Morocco). <i>Precambrian Research</i> , 2010, 182, 1-14.	2.7	114
10	Stress and palaeostress in the Betic-Rif cordilleras (Miocene to the present). <i>Tectonophysics</i> , 1993, 227, 105-126.	2.2	111
11	The Alpujarride-Nevaldo-Fibride extensional shear zone, Betic Cordillera, SE Spain. <i>Journal of Structural Geology</i> , 1993, 15, 555-569.	2.3	109
12	Rheic Ocean ophiolitic remnants in southern Iberia questioned by SHRIMP U-Pb zircon ages on the Beja-Acebuches amphibolites. <i>Tectonics</i> , 2008, 27, .	2.8	109
13	The structure of a major suture zone in the SW Iberian Massif: the Ossa-Morena/Central Iberian contact. <i>Tectonophysics</i> , 2001, 332, 295-308.	2.2	98
14	Recent and present-day stresses in the Granada Basin (Betic Cordilleras): Example of a late Miocene-present-day extensional basin in a convergent plate boundary. <i>Tectonics</i> , 1999, 18, 686-702.	2.8	93
15	Tectonic relationships of Southwest Iberia with the allochthons of Northwest Iberia and the Moroccan Variscides. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 103-113.	1.2	91
16	Active faulting in the internal zones of the central Betic Cordilleras (SE, Spain). <i>Journal of Geodynamics</i> , 2003, 36, 239-250.	1.6	86
17	Zircon ages of the metavolcanic rocks and metagranites of the Ollo de Sapo Domain in central Spain: implications for the Neoproterozoic to Early Palaeozoic evolution of Iberia. <i>Geological Magazine</i> , 2007, 144, 963-976.	1.5	82
18	Zircon Geochronology of the Ollo de Sapo Formation and the Age of the Cambro-Ordovician Rifting in Iberia. <i>Journal of Geology</i> , 2009, 117, 174-191.	1.4	79

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19	Zircon thermometry and U–Pb ion-microprobe dating of the gabbros and associated migmatites of the Variscan Toledo Anatectic Complex, Central Iberia. <i>Journal of the Geological Society</i> , 2006, 163, 847-855.	2.1	67
20	Geochronological data on the Rabat–Tiflet granitoids: Their bearing on the tectonics of the Moroccan Variscides. <i>Journal of African Earth Sciences</i> , 2010, 57, 1-13.	2.0	67
21	Seismic structure of the northern continental margin of Spain from ESCIN deep seismic profiles. <i>Tectonophysics</i> , 1996, 264, 153-174.	2.2	65
22	Geophysical evidence of a mantle derived intrusion in SW Iberia. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	64
23	U–Pb Zircon geochronology of the Cambro-Ordovician metagranites and metavolcanic rocks of central and NW Iberia. <i>International Journal of Earth Sciences</i> , 2013, 102, 1-23.	1.8	59
24	Crustal structure of the central sector of the Betic Cordillera (SE Spain). <i>Tectonics</i> , 1997, 16, 18-37.	2.8	58
25	Late Variscan magmatism in the Nevado-Filábride Complex: U-Pb geochronologic evidence for the pre-Mesozoic nature of the deepest Betic complex (SE Spain). <i>Lithos</i> , 2012, 146-147, 93-111.	1.4	57
26	Lower Paleozoic extensional tectonics in the limit between the West Asturian-Leonese and Central Iberian Zones of the Variscan Fold-Belt in NW Spain. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1992, 81, 545-560.	1.3	56
27	Nature of the lithosphere across the Variscan orogen of SW Iberia: Dense wide-angle seismic reflection data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	54
28	A deep seismic reflection survey across the Betic Chain (southern Spain): first results. <i>Tectonophysics</i> , 1994, 232, 77-89.	2.2	48
29	A seismic geotraverse across the Iberian Variscides: Orogenic shortening, collisional magmatism, and orocline development. <i>Tectonics</i> , 2013, 32, 417-432.	2.8	47
30	The Mecina Extensional System: Its relation with the post-Aquitania piggy-back Basins and the paleostresses evolution (Betic Cordilleras, Spain). <i>Geo-Marine Letters</i> , 1992, 12, 96-103.	1.1	46
31	Imaging the crustal structure of the Central Iberian Zone (Variscan Belt): The ALCUDIA deep seismic reflection transect. <i>Tectonics</i> , 2012, 31, .	2.8	42
32	Comparative review of the Variscan granitoids of Morocco and Iberia: proposal of a broad zonation. <i>Geodinamica Acta</i> , 2006, 19, 103-116.	2.2	40
33	Continuous deformation, ductile thrusting and backfolding of cover and basement in the Sierra de Guadarrama, Hercynian orogen of central Spain. <i>Tectonophysics</i> , 1991, 191, 291-309.	2.2	38
34	Palaeostress evolution of the Iberian Peninsula (Late Carboniferous to present-day). <i>Tectonophysics</i> , 2002, 357, 159-186.	2.2	38
35	Metamorphic and deformational imprint of Cambrian–Lower Ordovician rifting in the Ossa-Morena Zone (Iberian Massif, Spain). <i>Journal of Structural Geology</i> , 2003, 25, 2077-2087.	2.3	38
36	Repeated palaeoseismic activity of the Ventas de Zafarraya fault (S Spain) and its relation with the 1884 Andalusian earthquake. <i>International Journal of Earth Sciences</i> , 2003, 92, 912-922.	1.8	36

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37	SHRIMP Uâ€Pb geochronological constraints on the timing of the intra-Alcudian (Cadomian) angular unconformity in the Central Iberian Zone (Iberian Massif, Spain). <i>International Journal of Earth Sciences</i> , 2015, 104, 1739-1757.	1.8	36
38	Geophysical model of the lithosphere across the Variscan Belt of SW-Iberia: Multidisciplinary assessment. <i>Tectonophysics</i> , 2011, 508, 42-51.	2.2	34
39	Geoheritage in Morocco: The Neoproterozoic Ophiolite of Bou Azzer (Central Anti-Atlas). <i>Geoheritage</i> , 2011, 3, 89-96.	2.8	32
40	Transpressional collision tectonics and mantle plume dynamics: the Variscides of southwestern Iberia. <i>Geological Society Memoir</i> , 2006, 32, 345-354.	1.7	31
41	Un exemple de volcanisme calco-alcalin de type orogÃ©nique mis en place en contexte de rifting (Cambrien de l'oued Rhebar, Meseta occidentale, Maroc). <i>Comptes Rendus - Geoscience</i> , 2006, 338, 229-236.	1.2	29
42	HPâ€LT Variscan metamorphism in the Cubito-Moura schists (Ossa-Morena Zone, southern Iberia). <i>Comptes Rendus - Geoscience</i> , 2006, 338, 1260-1267.	1.2	24
43	Cadomian subduction/collision and Variscan transpression in the Badajoz-CÃ³rdoba Shear Belt, southwest Spain: a discussion on the age of the main tectonometamorphic events. <i>Tectonophysics</i> , 1993, 217, 343-346.	2.2	23
44	Detrital zircon U-Pb ages in the Rif Belt (northern Morocco): Paleogeographic implications. <i>Gondwana Research</i> , 2019, 70, 133-150.	6.0	23
45	Geochronology and isotopic geochemistry of Ediacaran high-K calc-alkaline felsic volcanism: An example of a Moroccan perigondwanan (Avalonian?) remnant in the El Jadida horst (Mazagonia). <i>Journal of African Earth Sciences</i> , 2020, 163, 103669.	2.0	23
46	Oblique collision and deformation partitioning in the SW Iberian Variscides. <i>Solid Earth</i> , 2016, 7, 857-872.	2.8	21
47	Deformation of garnets in a low-grade shear zone. <i>Journal of Structural Geology</i> , 1997, 19, 1137-1148.	2.3	20
48	Seismic imaging and modelling of the lithosphere of SW-Iberia. <i>Tectonophysics</i> , 2009, 472, 148-157.	2.2	20
49	Superposition of extensional detachments during the Neogene in the internal zones of the Betic cordilleras. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996, 85, 350-362.	1.3	19
50	The Puente Geirave-Castelo de Vide shear zone (southern Central Iberian Zone, Iberian Massif): geometry, kinematics and regional implications. <i>Bulletin - Societie Geologique De France</i> , 2006, 177, 191-202.	2.2	19
51	Crustal thickness variations in northern Morocco. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
52	Models of magnetic and Bouguer gravity anomalies for the deep structure of the central Alboran Sea basin. <i>Geo-Marine Letters</i> , 1998, 18, 10-18.	1.1	18
53	A cross section of the eastern Betic Cordillera (SE Spain) according field data and a seismic reflection profile. <i>Tectonophysics</i> , 2007, 433, 97-126.	2.2	17
54	Emplacement of ellipsoid-shaped (diapiric?) granite: Structural and gravimetric analysis of the OulmÃ¡s granite (Variscan Meseta, Morocco). <i>Journal of African Earth Sciences</i> , 2007, 48, 301-313.	2.0	17

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55	Faulted hybrid joints: an example from the Campo de Dalias (Betic Cordilleras, Spain). <i>Journal of Structural Geology</i> , 2004, 26, 2025-2037.	2.3	16
56	Opposite subduction polarities connected by transform faults in the Iberian Massif and western European Variscides. , 2002, , .		15
57	Structure of the Maláguide Complex near Váñez Rubio (Eastern Betic Cordillera, SE Spain). <i>Tectonics</i> , 2007, 26, .	2.8	15
58	Reply to comment by C. Pin and J. Rodríguez on "Rheic Ocean ophiolitic remnants in southern Iberia questioned by SHRIMP Uâ€Pb zircon ages on the Bejaâ€Acebuches amphibolitesâ€". <i>Tectonics</i> , 2009, 28, .	2.8	15
59	Structure and exhumation of the Cap des Trois Fourches basement rocks (Eastern Rif, Morocco). <i>Journal of African Earth Sciences</i> , 2019, 150, 657-672.	2.0	15
60	Geochronological constraints on the evolution of a suture: the Ossa-Morena/Central Iberian contact (Variscan Belt, south-west Iberian Peninsula). <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1995, 84, 375.	1.3	14
61	Comment on "The Late Devonian Variscan suture of the Iberian Massif: A correlation of high-pressure belts in NW and SW Iberia. <i>Tectonophysics</i> 654, 96â€"100" by R. FernÃndez and R. Arenas. <i>Tectonophysics</i> , 2016, 666, 281-284.	2.2	10
62	Petrogenesis of Derraman Peralkaline granite (Oulad Dlim Massif, West African Craton Margin,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Geoscience</i> , 2018, 350, 236-244.	1.2	10
63	High-P amphibolite-facies metamorphism in the Adrarâ€Souttoug Metamafic Complex, Oulad Dlim Massif (West African Craton margin, Morocco). <i>Comptes Rendus - Geoscience</i> , 2018, 350, 245-254.	1.2	9
64	Transcurrent displacement of the Cadomian magmatic arc. <i>Precambrian Research</i> , 2021, 361, 106251.	2.7	7
65	Reply to the comment by Michard et al. on "Tectonic relationships of Southwest Iberia with the allochthons of Northwest Iberia and the Moroccan Variscidesâ€". <i>Comptes Rendus - Geoscience</i> , 2010, 342, 175-177.	1.2	6
66	Middle Jurassic to Cretaceous extensional tectonics and sedimentation in the eastern external zone of the Betic Cordillera. <i>Geological Society Special Publication</i> , 2003, 208, 29-53.	1.3	5
67	Crustal thickness and images of the lithospheric discontinuities in the Gibraltar arc and surrounding areas. <i>Geophysical Journal International</i> , 0, , .	2.4	5
68	Comment on "On the Rootless Nature of a Devonian Suture in SW Iberia (Ossaâ€Morena Complex,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tectonics</i> , 2022, 41, .	2.8	2
69	Lower Miocene deformation in the hanging wall of the Internal-External Zone boundary of the Betic Cordillera: deformation at the edges of vertical-axis rotation domains in oblique convergent margins. <i>Geological Society Special Publication</i> , 2004, 227, 249-277.	1.3	1
70	Regional significance of kilometric-scale north-east vergent recumbent folds associated with east to south-east directed shear on the southern border of the Central Iberian Zone (Hornachos-Oliva) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13</i>		
71	Uâ€Pb age dating and geochemical fingerprints of Cambrian granites in the North Moroccan Meseta. Implication for the continental rift opening in the Northwest Gondwana margin. <i>Journal of African Earth Sciences</i> , 2022, , 104644.	2.0	1
72	The movement across the Nevado-Filabride shear zones and the convergence of Europe and Africa (Betic orogen). <i>Tectonophysics</i> , 1991, 191, 420.	2.2	0

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73	Superposition of extensional detachments during the Neogene in the internal zones of the Betic cordilleras. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996, 85, 350-362.	1.3	0