

# Pedro Castiã±eiras

## List of Publications by Year in descending order

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36  
papers

1,443  
citations

361413

20  
h-index

434195

31  
g-index

40  
all docs

40  
docs citations

40  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	A rootless suture and the loss of the roots of a mountain chain: The Variscan belt of NW Iberia. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 114-126.	1.2	214
2	Space and time in the tectonic evolution of the northwestern Iberian Massif: Implications for the Variscan belt. <i>Memoir of the Geological Society of America</i> , 2007, , 403-423.	0.5	148
3	Correlation of the nappe stack in the Ibero-Armorican arc across the Bay of Biscay: a joint French-Spanish project. <i>Geological Society Special Publication</i> , 2014, 405, 77-113.	1.3	95
4	U-Pb zircon ages (SHRIMP) for Cadomian and Early Ordovician magmatism in the Eastern Pyrenees: New insights into the pre-Variscan evolution of the northern Gondwana margin. <i>Tectonophysics</i> , 2008, 461, 228-239.	2.2	91
5	Age constraints on Lower Paleozoic convection system: Magmatic events in the NW Iberian Gondwana margin. <i>Gondwana Research</i> , 2012, 21, 1066-1079.	6.0	87
6	<sup>40</sup> Ar/ <sup>39</sup> Ar laserprobe dating of mylonitic fabrics in a polyorogenic terrane of NW Iberia. <i>Journal of the Geological Society</i> , 2006, 163, 61-73.	2.1	57
7	SHRIMP U-Pb zircon dating of anatexis in high-grade migmatite complexes of Central Spain: implications in the Hercynian evolution of Central Iberia. <i>International Journal of Earth Sciences</i> , 2008, 97, 35-50.	1.8	56
8	New insights into the Late Ordovician magmatism in the Eastern Pyrenees: U-Pb SHRIMP zircon data from the CanigÃ³ massif. <i>Gondwana Research</i> , 2010, 17, 317-324.	6.0	53
9	A peri-Gondwanan arc in NW Iberia: Isotopic and geochemical constraints on the origin of the arc-A sedimentary approach. <i>Gondwana Research</i> , 2010, 17, 338-351.	6.0	49
10	Using SHRIMP zircon dating to unravel tectonothermal events in arc environments. The early Palaeozoic arc of NW Iberia revisited. <i>Terra Nova</i> , 2007, 19, 432-439.	2.1	45
11	Geochemical characterization and isotopic age of Caradocian magmatism in the northeastern Iberian Peninsula: Insights into the Late Ordovician evolution of the northern Gondwana margin. <i>Gondwana Research</i> , 2010, 17, 325-337.	6.0	43
12	Isotope geochemistry and revised geochronology of the Purrido Ophiolite (Cabo Ortegal Complex). <i>Journal of the Geological Society</i> , 2011, 168, 733-750.	2.1	43
13	The Corredoiras orthogneiss (NW Iberian Massif): Geochemistry and geochronology of the Paleozoic magmatic suite developed in a peri-Gondwanan arc. <i>Lithos</i> , 2012, 128-131, 84-99.	1.4	41
14	REE-assisted U-Pb zircon age (SHRIMP) of an anatectic granodiorite: Constraints on the evolution of the A Silva granodiorite, Iberian allochthonous complexes. <i>Lithos</i> , 2010, 116, 153-166.	1.4	38
15	Detrital zircons from the Ordovician rocks of the Pyrenees: Geochronological constraints and provenance. <i>Tectonophysics</i> , 2016, 681, 124-134.	2.2	38
16	Tectonic evolution of the upper allochthon of the Ordenes complex (northwestern Iberian Massif): Structural constraints to a polyorogenic peri-Gondwanan terrane. , 2007, , .		37
17	Late Variscan metamorphic and magmatic evolution in the eastern Pyrenees revealed by U-Pb zircon dating. <i>Journal of the Geological Society</i> , 2014, 171, 181-192.	2.1	36
18	Thrust and detachment systems in the Ordenes Complex (northwestern Spain): Implications for the Variscan-Appalachian geodynamics. , 2002, , .		34

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19	The Late Neoproterozoic magmatism in the Ediacaran series of the Eastern Pyrenees: new ages and isotope geochemistry. <i>International Journal of Earth Sciences</i> , 2015, 104, 909-925.	1.8	31
20	A peri-Gondwanan arc in NW Iberia. II: Assessment of the intra-arc tectonothermal evolution through U-Pb SHRIMP dating of mafic dykes. <i>Gondwana Research</i> , 2010, 17, 352-362.	6.0	30
21	Petrogenesis of Ordovician Magmatism in the Pyrenees (Albera and Canigó Massifs) Determined on the Basis of Zircon Minor and Trace Element Composition. <i>Journal of Geology</i> , 2011, 119, 521-534.	1.4	30
22	Early Ordovician metabasites from the Spanish Central System: A remnant of intraplate HP rocks in the Central Iberian Zone. <i>Gondwana Research</i> , 2015, 27, 392-409.	6.0	28
23	SHRIMP-RG U-Pb isotopic systematics of zircon from the Angel Lake orthogneiss, East Humboldt Range, Nevada: Is this really Archean crust. , 2008, 4, 963.		22
24	Presence of Palaeoproterozoic and Archean components in the granulite-facies rocks of central Iberia: The Hf isotopic evidence. <i>Precambrian Research</i> , 2011, 187, 143-154.	2.7	21
25	Ordovician magmatism in the Eastern Pyrenees: Implications for the geodynamic evolution of northern Gondwana. <i>Lithos</i> , 2018, 314-315, 479-496.	1.4	18
26	El Chichón Volcano (Chiapas Volcanic Belt, Mexico) Transitional Calc-Alkaline to Adakitic-Like Magmatism: Petrologic and Tectonic Implications. <i>International Geology Review</i> , 2003, 45, 1020-1028.	2.1	17
27	Reconstructing subduction polarity through the geochemistry of mafic rocks in a Cambrian magmatic arc along the Gondwana margin (Ardennes Complex, NW Iberian Massif). <i>International Journal of Earth Sciences</i> , 2016, 105, 713-725.	1.8	10
28	Local isobaric heating above an extensional detachment in the middle crust of a Variscan allochthonous terrane (Ardennes complex, NW Spain). <i>Lithosphere</i> , 2014, 6, 409-418.	1.4	8
29	SHRIMP-RG U-Pb isotopic systematics of zircon from the Angel Lake orthogneiss, East Humboldt Range, Nevada: Is this really Archean crust? REPLY. , 2010, 6, 966-972.		4
30	Soil and Freshwater Bioassays to Assess Ecotoxicological Impact on Soils Affected by Mining Activities in the Iberian Pyrite Belt. <i>Toxics</i> , 2022, 10, 353.	3.7	4
31	Genesis of carbonate-rich veins in the serpentinites at the Calabria-Lucania boundary (southern Tj ETQq1 1 0.784314 rgBT / Overlock 10 T	0.3	3
32	Utilización de técnicas petrográficas para evaluar los efectos inducidos del NaCl, condiciones climáticas extremas y el paso del tráfico en las superficies de las carreteras españolas. <i>Materiales De Construcción</i> , 2017, 67, 138.	0.7	2
33	An Integrated Study of the Serpentinite-Hosted Hydrothermal System in the Pollino Massif (Southern Tj ETQq1 1 0.784314 rgBT / Overlock 10 T	2.0	2
34	Insights on high-grade deformation in quartzo-feldspathic gneisses during the early Variscan exhumation of the Cabo Ortegal nappe, NW Iberia. <i>Solid Earth</i> , 2016, 7, 579-598.	2.8	1
35	3D Spatial Distribution of Arsenic in an Abandoned Mining Area: A Combined Geophysical and Geochemical Approach. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1130.	2.0	1
36	Unraveling the origins and P-T-t evolution of the allochthonous Sobrado unit (Ardennes Complex, NW Tj ETQq0 0 0 rgBT / Overlock 10 T geochemistry. <i>Solid Earth</i> , 2020, 11, 2303-2325.	2.8	1