Jacobo Abati

List of Publications by Year in descending order

41 papers	2,550 citations	186265 28 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	1093 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. Comptes Rendus - Geoscience, 2009, 341, 114-126.	1.2	214
2	Variscan accretionary complex of northwest Iberia: Terrane correlation and succession of tectonothermal events. Geology, 1997, 25, 1103.	4.4	180
3	Uâ€“Pb ages of detrital zircons from the Basal allochthonous units of NW Iberia: Provenance and paleoposition on the northern margin of Gondwana during the Neoproterozoic and Paleozoic. Gondwana Research, 2010, 18, 385-399.	6.0	149
4	Space and time in the tectonic evolution of the northwestern Iberian Massif: Implications for the Variscan belt. Memoir of the Geological Society of America, 2007, , 403-423.	0.5	148
5	Variscan exhumation of a subducted Paleozoic continental margin: The basal units of the Ordenes Complex, Galicia, NW Spain. Tectonics, 1996, 15, 106-121.	2.8	146
6	Detrital zircon ages of Neoproterozoic sequences of the Moroccan Anti-Atlas belt. Precambrian Research, 2010, 181, 115-128.	2.7	141
7	Magmatism and early-Variscan continental subduction in the northern Gondwana margin recorded in zircons from the basal units of Galicia, NW Spain. Bulletin of the Geological Society of America, 2010, 122, 219-235.	3.3	110
8	Early Ordovician orogenic event in Galicia (NW Spain): evidence from UÃ¢Â€Â“Pb ages in the uppermost unit of the Ordenes Complex. Earth and Planetary Science Letters, 1999, 165, 213-228.	4.4	108
9	Correlation of the nappe stack in the Ibero-Armorican arc across the Bay of Biscay: a joint Frenchâ€“Spanish project. Geological Society Special Publication, 2014, 405, 77-113.	1.3	95
10	Retrogressed lawsonite blueschists from the NW Iberian Massif: Pâ€“Tâ€“t constraints from thermodynamic modelling and 40Ar/39Ar geochronology. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	81
11	Allochthonous terranes involved in the Variscan suture of NW Iberia: A review of their origin and tectonothermal evolution. Earth-Science Reviews, 2016, 161, 140-178.	9.1	71
12	Constraints on the provenance of the uppermost allochthonous terrane of the NW Iberian Massif: inferences from detrital zircon U-Pb ages. Terra Nova, 2003, 15, 138-144.	2.1	69
13	U-Pb evidence for a polyorogenic evolution of the HP-HT units of the NW Iberian Massif. Contributions To Mineralogy and Petrology, 2002, 143, 236-253.	3.1	66
14	Blueschistâ€facies metapelites from the Malpicaâ€“Tui Unit (NW Iberian Massif): phase equilibria modelling and H₂O and Fe₂O₃ influence in highâ€pressure assemblages. Journal of Metamorphic Geology, 2013, 31, 263-280.	3.4	64
15	Insights on the crustal evolution of the West African Craton from Hf isotopes in detrital zircons from the Anti-Atlas belt. Precambrian Research, 2012, 212-213, 263-274.	2.7	62
16	P-T evolution of eclogites from the Agualada Unit (Ordenes Complex, northwest Iberian Massif, Spain): Implications for crustal subduction. Lithos, 1997, 40, 221-242.	1.4	57
17	40Ar/39Ar laserprobe dating of mylonitic fabrics in a polyorogenic terrane of NW Iberia. Journal of the Geological Society, 2006, 163, 61-73.	2.1	57
18	Tectonic evolution of a continental subductionâ€exhumation channel: Variscan structure of the basal allochthonous units in NW Spain. Tectonics, 2011, 30, .	2.8	57

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19	U-Pb chronometry of polymetamorphic high-pressure granulites: An example from the allochthonous terranes of the NW Iberian Variscan belt. Memoir of the Geological Society of America, 2007, , 469-488.	0.5	55
20	Anticlockwise P-T Path of Granulites from the Monte Castelo Gabbro (Ordenes Complex, NW Spain). Journal of Petrology, 2003, 44, 305-327.	2.8	54
21	Uâ€“Pb detrital zircon analysis of the lower allochthon of NW Iberia: age constraints, provenance and links with the Variscan mobile belt and Gondwanan cratons. Journal of the Geological Society, 2012, 169, 655-665.	2.1	52
22	Paleozoic ophiolites in the Variscan suture of Galicia (northwest Spain): Distribution, characteristics, and meaning. Memoir of the Geological Society of America, 2007, , 425-444.	0.5	51
23	Petrologic modeling of chloritoidâ€“glaucophane schists from the NW Iberian Massif. Gondwana Research, 2010, 17, 377-391.	6.0	49
24	The onset of the assembly of Pangaea in NW Iberia: Constraints on the kinematics of continental subduction. Gondwana Research, 2012, 22, 20-25.	6.0	47
25	Using SHRIMP zircon dating to unravel tectonothermal events in arc environments. The early Palaeozoic arc of NW Iberia revisited. Terra Nova, 2007, 19, 432-439.	2.1	45
26	The Corredoiras orthogneiss (NW Iberian Massif): Geochemistry and geochronology of the Paleozoic magmatic suite developed in a peri-Gondwanan arc. Lithos, 2012, 128-131, 84-99.	1.4	41
27	The Bazar Ophiolite of NW Iberia: a relic of the Iapetusâ€“Tornquist Ocean in the Variscan suture. Terra Nova, 2012, 24, 283-294.	2.1	40
28	Smâ€“Nd isotope geochemistry and tectonic setting of the metasedimentary rocks from the basal allochthonous units of NW Iberia (Variscan suture, Galicia). Lithos, 2012, 148, 196-208.	1.4	39
29	Tectonic evolution of the upper allochthon of the Ol•rdenes complex (northwestern Iberian Massif): Structural constraints to a polyorogenic peri-Gondwanan terrane. , 2007, , .		37
30	Thrust and detachment systems in the Ordenes Complex (northwestern Spain): Implications for the Variscan-Appalachian geodynamics. , 2002, , .		34
31	Tectonic setting of the Monte Castelo gabbro (Ordenes Complex, northwestern Iberian Massif): Evidence for an arc-related terrane in the hanging wall to the Variscan suture. , 2002, , .		24
32	Combined zircon U Pb and Lu Hf isotopes study of magmatism and high-P metamorphism of the basal allochthonous units in the SW Iberian Massif (Ossa-Morena complex). Lithos, 2018, 322, 20-37.	1.4	23
33	Pâ€“T and structural constraints of lawsonite and epidote blueschists from Liberty Creek and Seldovia: Tectonic implications for early stages of subduction along the southern Alaska convergent margin. Lithos, 2011, 121, 100-116.	1.4	16
34	Contrasting high-pressure metabasites from the Santiago unit (Ordenes Complex, northwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1		15
35	Variscan Suture Zone and Suspect Terranes in the NW Iberian Massif: Allochthonous Complexes of the Galicia-TrÃ¡s os Montes Zone (NW Iberia). Regional Geology Reviews, 2019, , 99-130.	1.2	12
36	Reconstructing subduction polarity through the geochemistry of mafic rocks in a Cambrian magmatic arc along the Gondwana margin (Ã“rdenes Complex, NW Iberian Massif). International Journal of Earth Sciences, 2016, 105, 713-725.	1.8	10

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37	A unique blueschist facies metapelite with Mg-rich chloritoid from the Badajoz-CÃ³rdoba Unit (SW) Tj ETQq1 1 0.784314 rgBT /Overlock International Geology Review, 2021, 63, 1634-1657.	2.1	10
38	Ordovician metamorphism and magmatism preserved in the Ossa Morena Complex: SHRIMP geochronology, geochemistry and Sr Nd isotopic signatures of the Sierra Albarrana Domain (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.4	8
39	Detrital zircon ages and provenance of a Cambrian succession in the Sierra Albarrana Domain (SW) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	6
40	Metamorphic evolution of anthophyllite/cummingtonite-cordierite rocks from the upper unit of the Ordenes Complex (Galicia, NW Spain). European Journal of Mineralogy, 2005, 17, 57-68.	1.3	5
41	Isotopic and geochemical record of the active to passive margin transition in NW Iberia during the Cambrian-Ordovician: vestiges of a waning continental arc. Journal of Iberian Geology, 2021, 47, 323-346.	1.3	2