Ricardo Arenas

List of Publications by Year
in descending order

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97	4,681	76196	106150
papers	citations	40 h-index	65 g-index

99	99	99	1291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diachronous Variscan tectonothermal activity in the NW Iberian Massif: Evidence from 40Ar/39Ar dating of regional fabrics. Tectonophysics, 1997, 277, 307-337.	0.9	256
2	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.	0.4	214
3	Variscan accretionary complex of northwest Iberia: Terrane correlation and succession of tectonothermal events. Geology, 1997, 25, 1103.	2.0	180
4	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.	3.0	149
5	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
6	Variscan exhumation of a subducted Paleozoic continental margin: The basal units of the Ordenes Complex, Galicia, NW Spain. Tectonics, 1996, 15, 106-121.	1.3	146
7	Ediacaran to Cambrian oceanic rocks of the Gondwana margin and their tectonic interpretation. International Journal of Earth Sciences, 2015, 104, 1107-1121.	0.9	122
8	High-pressure micro-inclusions and development of an inverted metamorphic gradient in the Santiago Schists (Ordenes Complex, NW Iberian Massif, Spain): evidence of subduction and syncollisional decompression. Journal of Metamorphic Geology, 1995, 13, 141-164.	1.6	114
9	The Vila de Cruces Ophiolite: A Remnant of the Early Rheic Ocean in the Variscan Suture of Galicia (Northwest Iberian Massif). Journal of Geology, 2007, 115, 129-148.	0.7	113
10	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.	1.6	110
11	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.	1.8	108
12	Tectonic Evolution of the CareÃ³n Ophiolite (Northwest Spain): A Remnant of Oceanic Lithosphere in the Variscan Belt. Journal of Geology, 1999, 107, 587-605.	0.7	101
13	Two-stage collision: Exploring the birth of Pangea in the Variscan terranes. Gondwana Research, 2014, 25, 756-763.	3.0	97
14	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.	0.8	95
15	Tectonic evolution of Variscan Iberia: Gondwanaâ€“Laurussia collision revisited. Earth-Science Reviews, 2016, 162, 269-292.	4.0	94
16	Tectonothermal evolution associated with Variscan crustal extension in the Tormes Gneiss Dome (NW Salamanca, Iberian Massif, Spain). Tectonophysics, 1994, 238, 117-138.	0.9	93
17	CareÃ³n ophiolite, NW Spain: Suprasubduction zone setting for the youngest Rheic Ocean floor. Geology, 2007, 35, 53.	2.0	93
18	The Late Devonian Variscan suture of the Iberian Massif: A correlation of high-pressure belts in NW and SW Iberia. Tectonophysics, 2015, 654, 96-100.	0.9	88

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19	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.	4.0	71
20	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.	0.9	69
21	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.	1.2	66
22	Thickening and exhumation of the Variscan roots in the Iberian Central System: Tectonothermal processes and 40Ar/39Ar ages. Tectonophysics, 2013, 587, 207-221.	0.9	64
23	Pâ€“T Paths Derived from Garnet Growth Zoning in an Extensional Setting: an Example from the Tormes Gneiss Dome (Iberian Massif, Spain). Journal of Petrology, 2000, 41, 1489-1515.	1.1	61
24	P-T evolution of eclogites from the Agualada Unit (Ordenes Complex, northwest Iberian Massif, Spain): Implications for crustal subduction. Lithos, 1997, 40, 221-242.	0.6	57
25	40Ar/39Ar laserprobe dating of mylonitic fabrics in a polyorogenic terrane of NW Iberia. Journal of the Geological Society, 2006, 163, 61-73.	0.9	57
26	Tectonic evolution of a continental subductionâ€exhumation channel: Variscan structure of the basal allochthonous units in NW Spain. Tectonics, 2011, 30, .	1.3	57
27	Allochthonous Sequences. , 1990, , 220-246.		55
28	Low-P metamorphism following a Barrovian-type evolution. Complex tectonic controls for a common transition, as deduced in the MondoÃ±edo thrust sheet (NW Iberian Massif). Tectonophysics, 2003, 365, 143-164.	0.9	55
29	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
30	Anticlockwise P-T Path of Granulites from the Monte Castelo Gabbro (Ordenes Complex, NW Spain). Journal of Petrology, 2003, 44, 305-327.	1.1	54
31	Provenance of the Variscan Upper Allochthon (Cabo Ortegal Complex, NW Iberian Massif). Gondwana Research, 2015, 28, 1434-1448.	3.0	54
32	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.	0.9	52
33	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
34	A peri-Gondwanan arc in NW Iberial: Isotopic and geochemical constraints on the origin of the arcâ€”A sedimentary approach. Gondwana Research, 2010, 17, 338-351.	3.0	49
35	Re-interpreting the Devonian ophiolites involved in the Variscan suture: Uâ€“Pb and Luâ€“Hf zircon data of the Moeche Ophiolite (Cabo Ortegal Complex, NW Iberia). International Journal of Earth Sciences, 2014, 103, 1385-1402.	0.9	49
36	The onset of the assembly of Pangaea in NW Iberia: Constraints on the kinematics of continental subduction. Gondwana Research, 2012, 22, 20-25.	3.0	47

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37	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.	0.9	45
38	Extensional Flow during Gravitational Collapse: A Tool for Setting Plate Convergence (PadrÃ³n) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.7	45
39	The Galiciaâ€“Ossa-Morena Zone: Proposal for a new zone of the Iberian Massif. Variscan implications. Tectonophysics, 2016, 681, 135-143.	0.9	45
40	Large extensional structures developed during emplacement of a crystalline thrust sheet: the MondoÃ±edo nappe (NW Spain). Journal of Structural Geology, 2003, 25, 1815-1839.	1.0	44
41	Isotope geochemistry and revised geochronology of the Purrido Ophiolite (Cabo Ortegal Complex,) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of the Geological Society, 2011, 168, 733-750.	0.9	43
42	A Uâ€Pb Study of Zircons from a Lower Crustal Granulite Xenolith of the Spanish Central System: A Record of Iberian Lithospheric Evolution from the Neoproterozoic to the Triassic. Journal of Geology, 2006, 114, 471-483.	0.7	41
43	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.	0.6	41
44	Upper crust reworking during gravitational collapse: the Bembibreâ€“Pico Sacro detachment system (NW Iberia). Journal of the Geological Society, 2010, 167, 769-784.	0.9	40
45	The Bazar Ophiolite of NW Iberia: a relic of the Iapetusâ€“Tornquist Ocean in the Variscan suture. Terra Nova, 2012, 24, 283-294.	0.9	40
46	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.	0.6	39
47	Opposite P, T, t paths of Hercynian metamorphism between the upper units of the Cabo Ortegal Complex and their substratum (northwest of the Iberian Massif). Tectonophysics, 1991, 191, 347-364.	0.9	38
48	Use of thermal modeling to assess the tectono-metamorphic history of the Lugo and Sanabria gneiss domes, Northwest Iberia. Bulletin - Societie Geologique De France, 2009, 180, 179-197.	0.9	38
49	Tectonic evolution of the upper allochthon of the Ordenes complex (northwestern Iberian Massif): Structural constraints to a polyorogenic peri-Gondwanan terrane. , 2007, , .		37
50	Variscan ophiolites in NW Iberia: Tracking lost Paleozoic oceans and the assembly of Pangea. Episodes, 2015, 38, 315-333.	0.8	37
51	Thrust and detachment systems in the Ordenes Complex (northwestern Spain): Implications for the Variscan-Appalachian geodynamics. , 2002, , .		34
52	2-D thermal modeling of HTâ€“LP metamorphism in NW and Central Iberia: Implications for Variscan magmatism, rheology of the lithosphere and orogenic evolution. Tectonophysics, 2015, 657, 21-37.	0.9	34
53	Geochemistry of the Ediacaranâ€“Early Cambrian transition in Central Iberia: Tectonic setting and isotopic sources. Tectonophysics, 2016, 681, 15-30.	0.9	32
54	The Calzadilla Ophiolite (SW Iberia) and the Ediacaran fore-arc evolution of the African margin of Gondwana. Gondwana Research, 2018, 58, 71-86.	3.0	32

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55	Structural and kinematic analysis of the Corredoiras detachment: evidence for early Variscan synconvergent extension in the Ordenes Complex, NW Spain. International Journal of Earth Sciences, 1999, 88, 337-351.	0.9	30
56	A peri-Gondwanan arc in NW Iberia. II: Assessment of the intra-arc tectonothermal evolution through Uâ€“Pb SHRIMP dating of mafic dykes. Gondwana Research, 2010, 17, 352-362.	3.0	30
57	Fabric Development in a Middle Devonian Intraoceanic Subduction Regime: The CareÃ³n Ophiolite (Northwest Spain). Journal of Geology, 2010, 118, 163-186.	0.7	29
58	Geochemistry and tectonostratigraphy of the basal allochthonous units of SW Iberia (Ã‰vora Massif,) Tj ETQq0 0 0 rgBT /Overlock 10 T 2017, 268-271, 285-301.	0.6	29
59	Pâ€T path determinations in the Tormes Gneissic Dome, NW Iberian Massif, Spain. Journal of Metamorphic Geology, 1997, 15, 645-663.	1.6	26
60	Ediacaran Obduction of a Foreâ€Arc Ophiolite in SW Iberia: A Turning Point in the Evolving Geodynamic Setting of Periâ€Gondwana. Tectonics, 2019, 38, 95-119.	1.3	26
61	Provenance of the <scp>HP</scp>â€“<scp>HT</scp> subducted margin in the Variscan belt (Cabo Ortegal) Tj ETQq1 1 0.784314 rgBT	1.6	25
62	The last stages of the Avalonianâ€“Cadomian arc in NW Iberian Massif: isotopic and igneous record for a long-lived peri-Gondwanan magmatic arc. Tectonophysics, 2016, 681, 6-14.	0.9	25
63	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
64	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.	0.6	23
65	Thickening vs. extension in the Variscan belt: Pâ€“T modelling in the Central Iberian autochthon. Tectonophysics, 2016, 681, 144-158.	0.9	22
66	A pre-Rodinian ophiolite involved in the Variscan suture of Galicia (Cabo Ortegal Complex, NW Spain). Journal of the Geological Society, 2006, 163, 737-740.	0.9	21
67	Geochemical and isotopic (Sm Nd) provenance of Ediacaran-Cambrian metasedimentary series from the Iberian Massif. Paleoreconstruction of the North Gondwana margin. Earth-Science Reviews, 2020, 201, 103079.	4.0	20
68	100 myr cycles of oceanic lithosphere generation in peri-Gondwana: Neoproterozoicâ€“Devonian ophiolites from the NW Africanâ€“Iberian margin of Gondwana and the Variscan Orogen. Geological Society Special Publication, 2021, 503, 169-184.	0.8	20
69	Contrasting isotopic sources (Sm-Nd) of Late Ediacaran series in the Iberian Massif: Implications for the Central Iberian-Ossa Morena boundary. Precambrian Research, 2019, 324, 194-207.	1.2	19
70	Geochemistry of two associated ophiolites from the Cabo Ortegal Complex (Variscan belt of NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	17
71	U-Pb Ages of Detrital Zircons from the Permo-Triassic Series of the Iberian Ranges: A Record of Variable Provenance during Rift Propagation. Journal of Geology, 2012, 120, 135-154.	0.7	17
72	Geochemistry and Smâ€“Nd isotopic sources of Late Ediacaran siliciclastic series in the Ossaâ€“Morena Complex: Iberianâ€“Bohemian correlations. International Journal of Earth Sciences, 2021, 110, 467-485.	0.9	17

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73	Contrasting high-pressure metabasites from the Santiago unit (Ordenes Complex, northwestern) Tj ETQq1 1 0.784314 rgBT /Overlock		15
74	From Rodinia to Pangaea: ophiolites from NW Iberia as witness for a long-lived continental margin. Geological Society Special Publication, 2009, 327, 317-341.	0.8	15
75	Large-scale flat-lying isoclinal folding in extending lithosphere: Santa MarÃa de la Alameda dome (Central Iberian Massif, Spain). Lithosphere, 2013, 5, 483-500.	0.6	15
76	Evolution mÃ©tamorphique des mÃ©tapÃ©lites du Massif hercynien des Rehamna (Maroc): implications tectonothermales. Journal of African Earth Sciences, 1998, 27, 87-106.	0.9	12
77	Tectonic setting and isotopic sources (Smâ€“Nd) of the SW Iberian Autochthon (Variscan Orogen). Journal of Iberian Geology, 2021, 47, 121-150.	0.7	12
78	Shear stress in subducting continental margin from high-pressure, moderate-temperature metamorphism in the Ordenes Complex, Galicia, NW Spain. Tectonophysics, 2005, 397, 181-194.	0.9	11
79	Reply to Comment on â€œThe Late Devonian Variscan suture of the Iberian Massif: A correlation of high-pressure belts in NW and SW Iberiaâ€• Tectonophysics, 2016, 670, 155-160.	0.9	11
80	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.	0.9	10
81	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.	1.1	10
82	Tectonostratigraphy of the MÃ©rida Massif reveals a new Cadomian suture zone exposure in Gondwana (SW Iberia). International Geology Review, 2022, 64, 405-424.	1.1	10
83	Updated geochronology and isotope geochemistry of the Vila de Cruces Ophiolite: a case study of a peri-Gondwanan back-arc ophiolite. Geological Society Special Publication, 2020, , SP503-2020-8.	0.8	8
84	U-Pb geochronology and isotopic geochemistry of adakites and related magmas in the Ediacaran arc section of the SW Iberian Massif: The role of subduction erosion cycles in peri-Gondwanan arcs. Gondwana Research, 2022, 109, 89-112.	3.0	8
85	Prograde development of corona textures in metagabbros of the Sobrado unit (Ordenes Complex,) Tj ETQq1 1 0.784314 rgBT /Overlock		7
86	The metahyaloclastitic matrix of a unique metavolcanic block reveals subduction in the Somozas MÃ©lange (Cabo Ortegal Complex, NW Iberia): tectonic implications for the assembly of Pangea. Journal of Metamorphic Geology, 2016, 34, 963-985.	1.6	6
87	Single subduction zone for the generation of Devonian ophiolites and highâ€P metamorphic belts of the Variscan Orogen (NW Iberia). Terra Nova, 2020, 32, 239-245.	0.9	6
88	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.	0.4	5
89	The eclogite facies gneisses of the Cabo Ortegal Complex (NW Iberian Massif): Tectonothermal evolution and exhumation model. Journal of Iberian Geology, 2013, 38, .	0.7	5
90	Tracking the Late Devonian high-P metamorphic belt in the Variscan Orogen: New constraints on the PT evolution of eclogites from the Cubito-Moura Unit (SW Iberian Massif). Lithos, 2021, 386-387, 106015.	0.6	4

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91	One- and two-dimensional models are equally effective in monitoring the crust's thermal response to advection by large-scale thrusting during orogenesis. Computers and Geosciences, 2011, 37, 1205-1207.	2.0	3
92	Reconstruction of the prograde PT history of highâ€•P migmatitic paragneisses via meltâ€•reintegration approach and thermodynamic modelling (Allochthonous Complexes, NW Iberian Massif). Journal of Metamorphic Geology, 2020, 38, 629-653.	1.6	3
93	On the Rootless Nature of a Devonian Suture in SW Iberia (Ossaâ€Morena Complex, Variscan Orogen): Geometry and Kinematics of the Azuaga Fault. Tectonics, 2021, 40, e2021TC006791.	1.3	3
94	P-T path determinations in the Tormes Gneissic Dome, NW Iberian Massif, Spain. , 1997, 15, 645.		3
95	Reply to Comment by Azor et al. on â€œOn the Rootless Nature of a Devonian Suture in SW Iberia (Ossaâ€Morena Complex, Variscan Orogen): Geometry and Kinematics of the Azuaga Faultâ€• Tectonics, 2022, 41, .	1.3	2
96	Whole-rock and Smâ€“Nd isotopic geochemistry of Triassic SW Iberia sandstones: implications for provenance. Journal of Iberian Geology, 2021, 47, 189-207.	0.7	0
97	Variscan ophiolites in NW Iberia: Tracking Lost Paleozoic Oceans and the Assembly of Pangea. Episodes, 2015, 38, .	0.8	0