Daniel Pastor-GalÃ¡n

List of Publications by Year
in descending order

42 papers	1,669 citations	304743 22 h-index	289244 40 g-index
59 all docs	59 docs citations	59 times ranked	1273 citing authors

#	Article	IF	Citations
1	Paleomagnetism.org: An online multi-platform open source environment for paleomagnetic data analysis. Computers and Geosciences, 2016, 93, 127-137.	4.2	173
2	Diachronous postâ€orogenic magmatism within a developing orocline in Iberia, European Variscides. Tectonics, 2011, 30, .	2.8	143
3	Kinematic constraints on buckling a lithospheric-scale orocline along the northern margin of Gondwana: A geologic synthesis. Tectonophysics, 2013, 582, 25-49.	2.2	127
4	The Ediacaranâ€“Early Cambrian detrital zircon record of NW Iberia: possible sources and paleogeographic constraints. International Journal of Earth Sciences, 2014, 103, 1335-1357.	1.8	106
5	Provenance variability along the Early Ordovician north Gondwana margin: Paleogeographic and tectonic implications of U-Pb detrital zircon ages from the Armorican Quartzite of the Iberian Variscan belt. Bulletin of the Geological Society of America, 2014, 126, 702-719.	3.3	89
6	Provenance analysis of the Paleozoic sequences of the northern Gondwana margin in NW Iberia: Passive margin to Variscan collision and orocline development. Gondwana Research, 2013, 23, 1089-1103.	6.0	87
7	Dating of lithospheric buckling: 40Ar/39Ar ages of syn-orocline strikeâ€“slip shear zones in northwestern Iberia. Tectonophysics, 2015, 643, 44-54.	2.2	85
8	Orocline timing through joint analysis: Insights from the Ibero-Armorican Arc. Tectonophysics, 2011, 507, 31-46.	2.2	77
9	Buckling an orogen: The Cantabrian Orocline. GSA Today, 2012, , 4-9.	2.0	77
10	One or two oroclines in the Variscan orogen of Iberia? Implications for Pangea amalgamation. Geology, 2015, 43, 527-530.	4.4	58
11	Analogue modeling of lithospheric-scale orocline buckling: Constraints on the evolution of the Iberian-Armorican Arc. Bulletin of the Geological Society of America, 2012, 124, 1293-1309.	3.3	51
12	Iberian late-Variscan granitoids: Some considerations on crustal sources and the significance of â€œmantle extraction agesâ€. Lithos, 2011, 123, 121-132.	1.4	45
13	Conical folding in the core of an orocline. A geometric analysis from the Cantabrian Arc (Variscan) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	39
14	Towards FAIR Paleomagnetic Data Management Through Paleomagnetism.org 2.0. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008838.	2.5	39
15	Extending the Cantabrian Orocline to two continents (from Gondwana to Laurussia). Paleomagnetism from South Ireland. Earth and Planetary Science Letters, 2015, 432, 223-231.	4.4	36
16	Quantifying Arabiaâ€“Eurasia convergence accommodated in the Greater Caucasus by paleomagnetic reconstruction. Earth and Planetary Science Letters, 2018, 482, 454-469.	4.4	34
17	Supercontinents: myths, mysteries, and milestones. Geological Society Special Publication, 2019, 470, 39-64.	1.3	34
18	Paleomagnetism of the Central Iberian curve's putative hinge: Too many oroclines in the Iberian Variscides. Gondwana Research, 2016, 39, 96-113.	6.0	33

#	Article	IF	Citations
19	Tectonic evolution of NW Iberia during the Paleozoic inferred from the geochemical record of detrital rocks in the Cantabrian Zone. Lithos, 2013, 182-183, 211-228.	1.4	29
20	Evidence for crustal removal, tectonic erosion and flare-ups from the Japanese evolving forearc sediment provenance. Earth and Planetary Science Letters, 2021, 564, 116893.	4.4	28
21	Significance of detrital zircons in Siluro-Devonian rocks from Iberia. Journal of the Geological Society, 2015, 172, 309-322.	2.1	27
22	New kinematic constraints on the Cantabrian orocline: A paleomagnetic study from the PeÃ±alba and Truchas synclines, NW Spain. Tectonophysics, 2016, 681, 195-208.	2.2	27
23	Timing and structural evolution in the limb of an orocline: The Pisuergaâ€“CarriÃ³n Unit (southern limb) Tj ETQq1 1 0.784314 rgBT /Ove	2.2	25
24	Progressive orocline formation in the Eastern Pontidesâ€“Lesser Caucasus. Geological Society Special Publication, 2017, 428, 117-143.	1.3	21
25	Factors affecting finite strain estimation in low-grade, low-strain clastic rocks. Journal of Structural Geology, 2009, 31, 1586-1596.	2.3	20
26	Crustal evolution of the Paleoproterozoic Ubendian Belt (SW Tanzania) western margin: A Central African Shield amalgamation tale. Gondwana Research, 2021, 91, 286-306.	6.0	20
27	Late Paleozoic Iberian Orocline(s) and the Missing Shortening in the Core of Pangea. Paleomagnetism From the Iberian Range. Tectonics, 2018, 37, 3877-3892.	2.8	17
28	Bootstrapped total least squares orocline test: A robust method to quantify vertical-axis rotation patterns in orogens, with examples from the Cantabrian and Aegean oroclines. Lithosphere, 2017, 9, 499-511.	1.4	16
29	Paleomagnetism in Extremadura (Central Iberian zone, Spain) Paleozoic rocks: extensive remagnetizations and further constraints on the extent of the Cantabrian orocline. Journal of Iberian Geology, 2017, 43, 583-600.	1.3	15
30	Tangled up in folds: tectonic significance of superimposed folding at the core of the Central Iberian curve (West Iberia). International Geology Review, 2019, 61, 240-255.	2.1	12
31	The enigmatic curvature of Central Iberia and its puzzling kinematics. Solid Earth, 2020, 11, 1247-1273.	2.8	12
32	Late/Post Variscan Orocline Formation and Widespread Magmatism. Regional Geology Reviews, 2019, , 527-542.	1.2	11
33	Reappraisal of the oldest high-pressure type schist in Japan: New zircon U-Pb age of the Kitomyo Schist of the Kurosegawa Belt. Lithos, 2021, 380-381, 105898.	1.4	9
34	Late Paleozoicâ€“Early Mesozoic granitoids in the Khangay-Khentey basin, Central Mongolia: Implication for the tectonic evolution of the Mongol-Okhotsk Ocean margin. Lithos, 2021, 404-405, 106455.	1.4	9
35	Mathematica code for least-squares cone fitting and equal-area stereonet representation. Computers and Geosciences, 2013, 54, 203-210.	4.2	8
36	Post-Eocene coupled oroclines in the Talesh (NW Iran): Paleomagnetic constraints. Tectonophysics, 2020, 786, 228459.	2.2	7

#	Article	IF	Citations
37	From supercontinent to superplate: Late Paleozoic Pangea's inner deformation suggests it was a short-lived superplate. Earth-Science Reviews, 2022, 226, 103918.	9.1	7
38	Avalonia, get bent! â€“ Paleomagnetism from SW Iberia confirms the Greater Cantabrian Orocline. Geoscience Frontiers, 2021, 12, 805-825.	8.4	6
39	Neoproterozoicâ€“paleozoic detrital sources in the Variscan foreland of northern Iberia: primary v. recycled sediments. Geological Society Special Publication, 2020, , SP503-2020-21.	1.3	5
40	Cretaceous to Miocene NW Pacific Plate Kinematic Constraints: Paleomagnetism and Arâ€“Ar Geochronology in the Mineoka Ophiolite MÃ©lange (Japan). Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021492.	3.4	3
41	A virtual tour of the Ibero-Armorican orocline. Journal of the Virtual Explorer, 0, 43, .	0.0	3
42	Paleomagnetism from multi-orogenic terranes is â€œnot a simple gameâ€• Pyrenees' Paleozoic warning. Geophysical Journal International, 0, , .	2.4	0