Daniel Aslanian

List of Publications by Citations

79 papers	3,080 citations	27 h-index	54 g-index
86 ext. papers	3,497 ext. citations	4.6 avg, IF	4.82 L-index

#	Paper	IF	Citations
79	A new starting point for the South and Equatorial Atlantic Ocean. *Earth-Science Reviews*, **2010**, 98, 1-37	10.2	313
78	An alternative early opening scenario for the Central Atlantic Ocean. *Earth and Planetary Science Letters*, **2010**, 297, 355-368	5.3	200
77	Paleo sea levels reconsidered from direct observation of paleoshoreline position during Glacial Maxima (for the last 500,000 yr). *Earth and Planetary Science Letters*, **2006**, 252, 119-137	5.3	180
76	The "lost inca plateau": cause of flat subduction beneath peru?. *Earth and Planetary Science Letters*, **1999**, 171, 335-341	5.3	155
75	Brazilian and African passive margins of the Central Segment of the South Atlantic Ocean: Kinematic constraints. *Tectonophysics*, **2009**, 468, 98-112	3.1	147
74	Geological constraints on the evolution of the Angolan margin based on reflection and refraction seismic data (ZaïAngo project). *Geophysical Journal International*, **2005**, 162, 793-810	2.6	145
73	Deep structure of the West African continental margin (Congo, Zaïre, Angola), between 5°S and 8°S, from reflection/refraction seismics and gravity data. *Geophysical Journal International*, **2004**, 158, 529-553	2.6	143
72	Un nouveau point de départ pour l'histoire de l'Atlantique central. *Comptes Rendus - Geoscience*, **2004**, 336, 1041-1052	1.4	136
71	Sedimentary sequences in the Gulf of Lion: A record of 100,000 years climatic cycles. *Marine and Petroleum Geology*, **2005**, 22, 775-804	4.7	133
70	A two-step process for the reflooding of the Mediterranean after the Messinian Salinity Crisis. *Basin Research*, **2012**, 24, 125-153	3.2	112
69	Axial incision: The key to understand submarine canyon evolution (in the western Gulf of Lion). *Marine and Petroleum Geology*, **2005**, 22, 805-826	4.7	108
68	Messinian erosional and salinity crises: View from the Provence Basin (Gulf of Lions, Western Mediterranean). *Earth and Planetary Science Letters*, **2009**, 286, 139-157	5.3	98
67	Evolution of rifted continental margins: The case of the Gulf of Lions (Western Mediterranean Basin). *Earth and Planetary Science Letters*, **2010**, 292, 345-356	5.3	74
66	Paleogeographic evolution of the central segment of the South Atlantic during Early Cretaceous times: Paleotopographic and geodynamic implications. *Tectonophysics*, **2013**, 604, 191-223	3.1	71
65	Crustal structure of a young margin pair: New results across the Liguro-Provencal Basin from wide-angle seismic tomography. *Earth and Planetary Science Letters*, **2009**, 286, 333-345	5.3	55
64	Large-scale chemical and thermal division of the Pacific mantle. *Nature*, **1999**, 399, 345-350	50.4	52
63	Deep structure of the Santos Basin-São Paulo Plateau System, SE Brazil. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 5401-5431	3.6	50

62	Crustal structure of the SW-Moroccan margin from wide-angle and reflection seismic data (the DAKHLA experiment) Part A: Wide-angle seismic models. *Tectonophysics*, **2009**, 468, 63-82	3.1	47
61	The crustal structure of the Central Mozambique continental margin Wide-angle seismic, gravity and magnetic study in the Mozambique Channel, Eastern Africa. *Tectonophysics*, **2013**, 599, 170-196	3.1	46
60	New starting point for the Indian Ocean: Second phase of breakup for Gondwana. *Earth-Science Reviews*, **2019**, 191, 26-56	10.2	38
59	Quantifying subsidence and isostatic readjustment using sedimentary paleomarkers, example from the Gulf of Lion. *Earth and Planetary Science Letters*, **2014**, 388, 353-366	5.3	37
58	Deep crustal structure across a young passive margin from wide-angle and reflection seismic data (The SARDINIA Experiment) I. Gulf of Lion margin. *Bulletin - Societie Geologique De France*, **2015**, 186, 309-330	2.3	36
57	Messinian evaporite deposition during sea level rise in the Gulf of Lions (Western Mediterranean). *Marine and Petroleum Geology*, **2015**, 66, 262-277	4.7	33
56	Imaging proto-oceanic crust off the Brazilian Continental Margin. *Geophysical Journal International*, **2014**, 200, 471-488	2.6	32
55	Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. *Science*, **1997**, 278, 1281-1284	39.5	32
54	The Catalan margin during the Messinian Salinity Crisis: Physiography, morphology and sedimentary record. *Marine Geology*, **2011**, 284, 158-174	3.3	30
53	Deep crustal structure across a young passive margin from wide-angle and reflection seismic data (The SARDINIA Experiment) II. Sardinia margin. *Bulletin - Societie Geologique De France*, **2015**, 186, 331-351	2.3	28
52	Mesozoic and Early Cenozoic sediment influx and morphology of the Mozambique Basin. *Marine and Petroleum Geology*, **2015**, 66, 890-905	4.7	26
51	Kinematic keys of the Santos Namibe basins. *Geological Society Special Publication*, **2013**, 369, 91-107	1.7	25
50	Stratigraphic simulations of the shelf of the Gulf of Lions: testing subsidence rates and sea-level curves during the Pliocene and Quaternary. *Terra Nova*, **2014**, 26, 230-238	3	25
49	Crustal structure variations along the NW-African continental margin: A comparison of new and existing models from wide-angle and reflection seismic data. *Tectonophysics*, **2016**, 674, 227-252	3.1	24
48	Location of Louisville hotspot and origin of Hollister Ridge: geophysical constraints. *Earth and Planetary Science Letters*, **1998**, 164, 31-40	5.3	24
47	Palaeogeographic consequences of conservational models in the South Atlantic Ocean. *Geological Society Special Publication*, **2013**, 369, 75-90	1.7	22
46	Deep crustal structure of the Tuamotu plateau and Tahiti (French Polynesia) based on seismic refraction data. *Geophysical Research Letters*, **2002**, 29, 1-1-1-4	4.9	22
45	Multi-approach quantification of denudation rates in the Gulf of Lion source-to-sink system (SE France). *Earth and Planetary Science Letters*, **2016**, 444, 101-115	5.3	21

44	Chemical systematics of an intermediate spreading ridge: The Pacific-Antarctic Ridge between 56°S and 66°S. *Journal of Geophysical Research*, **2000**, 105, 2915-2936		21
43	Deep crustal structure of the North-West African margin from combined wide-angle and reflection seismic data (MIRROR seismic survey). *Tectonophysics*, **2015**, 656, 154-174	3.1	20
42	PLACA: a white box for plate reconstruction and best-fit pole determination. *Computers and Geosciences*, **2005**, 31, 437-452	4.5	19
41	The Cenozoic tectonostratigraphic evolution of the Barracuda Ridge and Tiburon Rise, at the western end of the North America–South America plate boundary zone. *Marine Geology*, **2012**, 303-306, 154-171	3.3	18
40	Analysis of propagators along the Pacific–Antarctic Ridge: evidence for triggering by kinematic changes. *Earth and Planetary Science Letters*, **2002**, 199, 415-428	5.3	17
39	Comment on "A new scheme for the opening of the South Atlantic Ocean and the dissection of an Aptian salt basin" by Trond H. Torsvik, Sonia Rousse, Cinthia Labails and Mark A. Smethurst. *Geophysical Journal International*, **2010**, 183, 20-28	2.6	16
38	Gondwana breakup: Messages from the North Natal Valley. *Terra Nova*, **2020**, 32, 205-214	3	16
37	The Minorca Basin: a buffer zone between the Valencia and Liguro-Provençal Basins (NW Mediterranean Sea). *Terra Nova*, **2016**, 28, 245-256	3	16
36	Sedimentary markers in the Provençal Basin (western Mediterranean): a window into deep geodynamic processes. *Terra Nova*, **2015**, 27, 122-129	3	15
35	Variations in axial morphology, segmentation, and seafloor roughness along the Pacific-Antarctic Ridge between 56°S and 66°S. *Journal of Geophysical Research*, **2001**, 106, 8521-8546		14
34	Morphological reorganization within the Pacific-Antarctic Discordance. *Earth and Planetary Science Letters*, **1996**, 137, 157-173	5.3	14
33	Monte Carlo approach to assess the uncertainty of wide-angle layered models: Application to the Santos Basin, Brazil. *Tectonophysics*, **2016**, 683, 286-307	3.1	14
32	High-resolution evolution of terrigenous sediment yields in the Provence Basin during the last 6 Ma: relation with climate and tectonics. *Basin Research*, **2017**, 29, 305-339	3.2	13
31	Imaging exhumed lower continental crust in the distal Jequitinhonha basin, Brazil. *Journal of South American Earth Sciences*, **2018**, 84, 351-372	2	12
30	Structure and evolution of the Gulf of Lions: The Sardinia seismic experiment and the GOLD (Gulf of Lions Drilling) project. *The Leading Edge*, **2012**, 31, 786-792	1	12
29	Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean). *Marine Geology*, **2019**, 411, 1-20	3.3	11
28	Deep-penetration heat flow probes raise questions about interpretations from shorter probes. *Eos*, **2001**, 82, 317-317	1.5	11
27	The Apennine foredeep (Italy) during the latest Messinian: Lago Mare reflects competing brackish and marine conditions based on calcareous nannofossils and dinoflagellate cysts. *Geobios*, **2017**, 50, 237-257	1.5	10

26	The late Messinian event: A worldwide tectonic revolution. *Terra Nova*, **2018**, 30, 207-214	3	8
25	The Messinian Ebro River incision. *Global and Planetary Change*, **2019**, 181, 102988	4.2	8
24	Post-rift evolution of the Gulf of Lion margin tested by stratigraphic modelling. *Bulletin - Societie Geologique De France*, **2015**, 186, 291-308	2.3	7
23	Deep Structure of the North Natal Valley (Mozambique) Using Combined Wide-Angle and Reflection Seismic Data. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB021171	3.6	7
22	Biogeographic mechanisms involved in the colonization of Madagascar by African vertebrates: Rifting, rafting and runways. *Journal of Biogeography*, **2021**, 48, 492-510	4.1	6
21	Corrigendum to: Paleo sea levels reconsidered from direct observation of paleoshoreline position during Glacial Maxima (for the last 500,000´years) [Earth Planet. Sci. Lett. 252 (2006), 119--137]. *Earth and Planetary Science Letters*, **2007**, 254, 446-447	5.3	4
20	Asymmetry of the mantle structure beneath the Mid-Atlantic Ridge. *Geophysical Research Letters*, **1992**, 19, 1165-1168	4.9	4
19	The Limpopo magma-rich transform margin, South Mozambique Part 1: Insights from deep-structure seismic imaging. *Tectonics*,e2021TC006915	4.3	4
18	Early Eocene vigorous ocean overturning and its contribution to a warm Southern Ocean. *Climate of the Past*, **2020**, 16, 1263-1283	3.9	4
17	Seismic evidence for crustal architecture and stratigraphy of the Limpopo Corridor: New insights into the evolution of the sheared margin offshore southern Mozambique. *Marine Geology*, **2021**, 435, 106468	3.3	4
16	Lithospheric structuration onshore-offshore of the Sergipe-Alagoas passive margin, NE Brazil, based on wide-angle seismic data. *Journal of South American Earth Sciences*, **2018**, 88, 649-672	2	4
15	Crustal structure of the East African Limpopo margin, a strike-slip rifted corridor along the continental Mozambique Coastal Plain and North Natal Valley. *Solid Earth*, **2021**, 12, 1865-1897	3.3	4
14	Deep structure of the Par Maranh /Barreirinhas passive margin in the equatorial Atlantic (NE Brazil). *Journal of South American Earth Sciences*, **2021**, 110, 103322	2	4
13	Young Marquesas volcanism finally located. *Lithos*, **2017**, 294-295, 356-361	2.9	3
12	Probing connections between deep earth and surface processes in a land-locked ocean basin transformed into a giant saline basin: The Mediterranean GOLD project#. *Marine and Petroleum Geology*, **2015**, 66, 6-17	4.7	3
11	Slope morphologies offshore Dakhla (SW Moroccan margin). *Bulletin - Societie Geologique De France* , **2016**, 187, 27-39	2.3	3
10	Salt morphologies and crustal segmentation relationship: New insights from the Western Mediterranean Sea. *Earth-Science Reviews*, **2021**, 222, 103818	10.2	2
9	A New Starting point for the history of South and Equatorial Atlantic Oceans **2007**,		1

8	Comment on "The challenge in restoring magma-rich rifted margins: The example of the Mozambique-Antarctica conjugate margins" by Tomasi S. et al.. *Gondwana Research*, **2021**, 103, 401-401	5.1	1
7	From Rifting to Spreading: The Proto-Oceanic Crust. *Advances in Science, Technology and Innovation*, **2019**, 329-331	0.3	1
6	Passive Margin and Continental Basin: Towards a New Paradigm. *Advances in Science, Technology and Innovation*, **2019**, 333-336	0.3	1
5	Imaging Early Oceanic Crust spreading in the Equatorial Atlantic Ocean: Insights from the MAGIC wide-angle experiment. *Journal of South American Earth Sciences*, **2021**, 111, 103493	2	1
4	Multidisciplinary Study of Marine Archives: Reconstruction of Sea-Level, Sediment Yields, Sediment Sources, Paleoclimate, Paleoceanography and Vertical Movement on Margins: Examples from the Western Mediterranean Sea. *Advances in Science, Technology and Innovation*, **2022**, 265-270	0.3	
3	Exhumed Lower Continental Crust and Proto-oceanic Crust Interactions? The BasAlg and ArcMal Deep Seismic Projects. *Advances in Science, Technology and Innovation*, **2022**, 535-539	0.3	
2	Major Kinematic Revolutions: The Underside of the Maps. *Advances in Science, Technology and Innovation*, **2022**, 529-534	0.3	
1	South and Equatorial Atlantic Margins **2022**, 69-91		