

# Daniel Aslanian

## List of Publications by Year in descending order

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79  
papers

3,862  
citations

172207

29  
h-index

123241

61  
g-index

86  
all docs

86  
docs citations

86  
times ranked

3061  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new starting point for the South and Equatorial Atlantic Ocean. <i>Earth-Science Reviews</i> , 2010, 98, 1-37.	4.0	415
2	An alternative early opening scenario for the Central Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 2010, 297, 355-368.	1.8	239
3	Paleo sea levels reconsidered from direct observation of paleoshoreline position during Glacial Maxima (for the last 500,000 Åyr). <i>Earth and Planetary Science Letters</i> , 2006, 252, 119-137.	1.8	211
4	Brazilian and African passive margins of the Central Segment of the South Atlantic Ocean: Kinematic constraints. <i>Tectonophysics</i> , 2009, 468, 98-112.	0.9	184
5	The "lost inca plateau" cause of flat subduction beneath peru?. <i>Earth and Planetary Science Letters</i> , 1999, 171, 335-341.	1.8	175
6	Geological constraints on the evolution of the Angolan margin based on reflection and refraction seismic data (ZaÃAngo project). <i>Geophysical Journal International</i> , 2005, 162, 793-810.	1.0	170
7	Deep structure of the West African continental margin (Congo, ZaÃre, Angola), between 5ÂS and 8ÂS, from reflection/refraction seismics and gravity data. <i>Geophysical Journal International</i> , 2004, 158, 529-553.	1.0	162
8	Sedimentary sequences in the Gulf of Lion: A record of 100,000 years climatic cycles. <i>Marine and Petroleum Geology</i> , 2005, 22, 775-804.	1.5	162
9	Un nouveau point de dÃpart pour l'histoire de l'Atlantique central. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 1041-1052.	0.4	161
10	A two-step process for the reflooding of the Mediterranean after the Messinian salinity crisis. <i>Basin Research</i> , 2012, 24, 125-153.	1.3	134
11	Axial incision: The key to understand submarine canyon evolution (in the western Gulf of Lion). <i>Marine and Petroleum Geology</i> , 2005, 22, 805-826.	1.5	131
12	Messinian erosional and salinity crises: View from the Provence Basin (Gulf of Lions, Western) <small>Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 302</small>	1.8	109
13	Paleogeographic evolution of the central segment of the South Atlantic during Early Cretaceous times: Paleotopographic and geodynamic implications. <i>Tectonophysics</i> , 2013, 604, 191-223.	0.9	108
14	Evolution of rifted continental margins: The case of the Gulf of Lions (Western Mediterranean Basin). <i>Earth and Planetary Science Letters</i> , 2010, 292, 345-356.	1.8	85
15	Deep structure of the Santos Basin and Paulo Plateau System, SE Brazil. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5401-5431.	1.4	71
16	New starting point for the Indian Ocean: Second phase of breakup for Gondwana. <i>Earth-Science Reviews</i> , 2019, 191, 26-56.	4.0	64
17	Large-scale chemical and thermal division of the Pacific mantle. <i>Nature</i> , 1999, 399, 345-350.	13.7	62
18	Crustal structure of a young margin pair: New results across the Liguro-Provencal Basin from wide-angle seismic tomography. <i>Earth and Planetary Science Letters</i> , 2009, 286, 333-345.	1.8	58

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19	Crustal structure of the SW-Moroccan margin from wide-angle and reflection seismic data (the Tj ETQq1 1 0.784314 rgBT / Overlock 10	0.9	57
20	The crustal structure of the Central Mozambique continental margin â€” Wide-angle seismic, gravity and magnetic study in the Mozambique Channel, Eastern Africa. <i>Tectonophysics</i> , 2013, 599, 170-196.	0.9	55
21	Quantifying subsidence and isostatic readjustment using sedimentary paleomarkers, example from the Gulf of Lion. <i>Earth and Planetary Science Letters</i> , 2014, 388, 353-366.	1.8	42
22	Messinian evaporite deposition during sea level rise in the Gulf of Lions (Western Mediterranean). <i>Marine and Petroleum Geology</i> , 2015, 66, 262-277.	1.5	42
23	Imaging proto-oceanic crust off the Brazilian Continental Margin. <i>Geophysical Journal International</i> , 2014, 200, 471-488.	1.0	40
24	Deep crustal structure across a young passive margin from wide-angle and reflection seismic data (The SARDINIA Experiment) â€” I. Gulf of Lionâ€™s margin. <i>Bulletin - Societie Geologique De France</i> , 2015, 186, 309-330.	0.9	39
25	Kinematic keys of the Santosâ€™Namibe basins. <i>Geological Society Special Publication</i> , 2013, 369, 91-107.	0.8	38
26	Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. <i>Science</i> , 1997, 278, 1281-1284.	6.0	36
27	The Catalan margin during the Messinian Salinity Crisis: Physiography, morphology and sedimentary record. <i>Marine Geology</i> , 2011, 284, 158-174.	0.9	34
28	Deep crustal structure across a young passive margin from wide-angle and reflection seismic data (The SARDINIA Experiment) â€” II. Sardiniaâ€™s margin. <i>Bulletin - Societie Geologique De France</i> , 2015, 186, 331-351.	0.9	31
29	Biogeographic mechanisms involved in the colonization of Madagascar by African vertebrates: Rifting, rafting and runways. <i>Journal of Biogeography</i> , 2021, 48, 492-510.	1.4	31
30	Stratigraphic simulations of the shelf of the Gulf of Lions: testing subsidence rates and seaâ€™level curves during the Pliocene and Quaternary. <i>Terra Nova</i> , 2014, 26, 230-238.	0.9	30
31	Crustal structure variations along the NW-African continental margin: A comparison of new and existing models from wide-angle and reflection seismic data. <i>Tectonophysics</i> , 2016, 674, 227-252.	0.9	30
32	Mesozoic and Early Cenozoic sediment influx and morphology of the Mozambique Basin. <i>Marine and Petroleum Geology</i> , 2015, 66, 890-905.	1.5	29
33	Palaeogeographic consequences of conservational models in the South Atlantic Ocean. <i>Geological Society Special Publication</i> , 2013, 369, 75-90.	0.8	27
34	Gondwana breakup: Messages from the North Natal Valley. <i>Terra Nova</i> , 2020, 32, 205-214.	0.9	27
35	Chemical systematics of an intermediate spreading ridge: The Pacific-Antarctic Ridge between 56Â°S and 66Â°S. <i>Journal of Geophysical Research</i> , 2000, 105, 2915-2936.	3.3	26
36	Monte Carlo approach to assess the uncertainty of wide-angle layered models: Application to the Santos Basin, Brazil. <i>Tectonophysics</i> , 2016, 683, 286-307.	0.9	26

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37	Deep crustal structure of the Tuamotu plateau and Tahiti (French Polynesia) based on seismic refraction data. <i>Geophysical Research Letters</i> , 2002, 29, 1-1-1-4.	1.5	25
38	Deep crustal structure of the North-West African margin from combined wide-angle and reflection seismic data (MIRROR seismic survey). <i>Tectonophysics</i> , 2015, 656, 154-174.	0.9	25
39	Location of Louisville hotspot and origin of Hollister Ridge: geophysical constraints. <i>Earth and Planetary Science Letters</i> , 1998, 164, 31-40.	1.8	24
40	The Cenozoic tectonostratigraphic evolution of the Barracuda Ridge and Tiburon Rise, at the western end of the North America-South America plate boundary zone. <i>Marine Geology</i> , 2012, 303-306, 154-171.	0.9	24
41	Multi-approach quantification of denudation rates in the Gulf of Lion source-to-sink system (SE). <i>Journal of Geophysical Research</i> , 2014, 119, 10.1029/2013JG001914.	1.8	24
42	PLACA: a white box for plate reconstruction and best-fit pole determination. <i>Computers and Geosciences</i> , 2005, 31, 437-452.	2.0	23
43	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 Rouse, Cinthia Labails and Mark A. Smethurst. <i>Geophysical Journal International</i> , 2010, 183, 20-28.	1.0	22
44	Imaging exhumed lower continental crust in the distal Jequitinhonha basin, Brazil. <i>Journal of South American Earth Sciences</i> , 2018, 84, 351-372.	0.6	21
45	The Apennine foredeep (Italy) during the latest Messinian: Lago Mare reflects competing brackish and marine conditions based on calcareous nannofossils and dinoflagellate cysts. <i>Geobios</i> , 2017, 50, 237-257.	0.7	20
46	Analysis of propagators along the Pacific-Antarctic Ridge: evidence for triggering by kinematic changes. <i>Earth and Planetary Science Letters</i> , 2002, 199, 415-428.	1.8	19
47	The Minorca Basin: a buffer zone between the Valencia and Liguro-Provençal Basins (NW). <i>Journal of Geophysical Research</i> , 2009, 114, 10.1029/2008JG001119.	0.9	19
48	High-resolution evolution of terrigenous sediment yields in the Provence Basin during the last 6 Ma: relation with climate and tectonics. <i>Basin Research</i> , 2017, 29, 305-339.	1.3	19
49	Sedimentary markers in the Provençal Basin (western Mediterranean): a window into deep geodynamic processes. <i>Terra Nova</i> , 2015, 27, 122-129.	0.9	17
50	Morphological reorganization within the Pacific-Antarctic Discordance. <i>Earth and Planetary Science Letters</i> , 1996, 137, 157-173.	1.8	15
51	Variations in axial morphology, segmentation, and seafloor roughness along the Pacific-Antarctic Ridge between 56°S and 66°S. <i>Journal of Geophysical Research</i> , 2001, 106, 8521-8546.	3.3	15
52	The late Messinian event: A worldwide tectonic revolution. <i>Terra Nova</i> , 2018, 30, 207-214.	0.9	15
53	The Messinian Ebro River incision. <i>Global and Planetary Change</i> , 2019, 181, 102988.	1.6	15
54	Lithospheric structuration onshore-offshore of the Sergipe-Alagoas passive margin, NE Brazil, based on wide-angle seismic data. <i>Journal of South American Earth Sciences</i> , 2018, 88, 649-672.	0.6	14

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55	Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean). <i>Marine Geology</i> , 2019, 411, 1-20.	0.9	14
56	Deep structure of the Par�-Maranh�o/Barreirinhas passive margin in the equatorial Atlantic (NE Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	14
57	Deep Structure of the North Natal Valley (Mozambique) Using Combined Wide�Angle and Reflection Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021171.	1.4	13
58	Early Eocene vigorous ocean overturning and its contribution to a warm Southern Ocean. <i>Climate of the Past</i> , 2020, 16, 1263-1283.	1.3	13
59	Deep-penetration heat flow probes raise questions about interpretations from shorter probes. <i>Eos</i> , 2001, 82, 317-317.	0.1	12
60	Structure and evolution of the Gulf of Lions: The Sardinia seismic experiment and the GOLD (Gulf of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	12
61	The Limpopo Magma�Rich Transform Margin, South Mozambique: 1. Insights From Deep�Structure Seismic Imaging. <i>Tectonics</i> , 2021, 40, e2021TC006915.	1.3	10
62	Seismic evidence for crustal architecture and stratigraphy of the Limpopo Corridor: New insights into the evolution of the sheared margin offshore southern Mozambique. <i>Marine Geology</i> , 2021, 435, 106468.	0.9	9
63	Crustal structure of the East African Limpopo margin, a strike-slip rifted corridor along the continental Mozambique Coastal Plain and North Natal Valley. <i>Solid Earth</i> , 2021, 12, 1865-1897.	1.2	9
64	Post-rift evolution of the Gulf of Lion margin tested by stratigraphic modelling. <i>Bulletin - Soci�t� Geologique De France</i> , 2015, 186, 291-308.	0.9	8
65	Salt morphologies and crustal segmentation relationship: New insights from the Western Mediterranean Sea. <i>Earth-Science Reviews</i> , 2021, 222, 103818.	4.0	6
66	Imaging Early Oceanic Crust spreading in the Equatorial Atlantic Ocean: Insights from the MAGIC wide-angle experiment. <i>Journal of South American Earth Sciences</i> , 2021, 111, 103493.	0.6	6
67	Young Marquesas volcanism finally located. <i>Lithos</i> , 2017, 294-295, 356-361.	0.6	5
68	Asymmetry of the mantle structure beneath the Mid�Atlantic Ridge. <i>Geophysical Research Letters</i> , 1992, 19, 1165-1168.	1.5	4
69	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]. <i>Earth and Planetary Science Letters</i> , 2007, 254, 446-447.	1.8	4
70	Probing connections between deep earth and surface processes in a land-locked ocean basin transformed into a giant saline basin: The Mediterranean GOLD project#. <i>Marine and Petroleum Geology</i> , 2015, 66, 6-17.	1.5	4
71	Structural and sedimentary origin of the Gargano - Pelagosa gateway and impact on sedimentary evolution during the Messinian Salinity Crisis. <i>Earth-Science Reviews</i> , 2022, 232, 104114.	4.0	4
72	Slope morphologies offshore Dakhla (SW Moroccan margin). <i>Bulletin - Soci�t� Geologique De France</i> , 2016, 187, 27-39.	0.9	3

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73	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, 2022, 103, 401-403.	3.0	3
74	From Rifting to Spreading: The Proto-Oceanic Crust. Advances in Science, Technology and Innovation, 2019, , 329-331.	0.2	1
75	Passive Margin and Continental Basin: Towards a New Paradigm. Advances in Science, Technology and Innovation, 2019, , 333-336.	0.2	1
76	A New Starting point for the history of South and Equatorial Atlantic Oceans. , 2007, , .		1
77	Brazilian and Angolan Passive Margins: the kinematic constraints. , 2007, , .		0
78	Using Sedimentary Markers to Evaluate Subsidence Rates: A Case study in the Gulf of Lion. , 2007, , .		0
79	Structure of the Central Atlantic Conjugate Passive Margins and their Associated Sedimentary Basins. , 2016, , .		0