# Daniel Aslanian

List of Publications by Year
in descending order



| 79 | 3,862 | 172457 29 | 123424 61 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 86 | 86 | 86 | 3061 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A new starting point for the South and Equatorial Atlantic Ocean. Earth-Science Reviews, 2010, 98, 1-37. | 9.1 | 415 |
| 2 | An alternative early opening scenario for the Central Atlantic Ocean. Earth and Planetary Science Letters, 2010, 297, 355-368. | 4.4 | 239 |
| 3 | Paleo sea levels reconsidered from direct observation of paleoshoreline position during Glacial Maxima (for the last 500,000Âyr). Earth and Planetary Science Letters, 2006, 252, 119-137. | 4.4 | 211 |
| 4 | Brazilian and African passive margins of the Central Segment of the South Atlantic Ocean: Kinematic constraints. Tectonophysics, 2009, 468, 98-112. | 2.2 | 184 |
| 5 | The â€œlost inca plateauâ€• cause of flat subduction beneath peru?. Earth and Planetary Science Letters, 1999, 171, 335-341. | 4.4 | 175 |
| 6 | Geological constraints on the evolution of the Angolan margin based on reflection and refraction seismic data (ZaÃ¯Ango project). Geophysical Journal International, 2005, 162, 793-810. | 2.4 | 170 |
| 7 | Deep structure of the West African continental margin (Congo, ZaÃ¯re, Angola), between 5Â°S and 8Â°S, from reflection/refraction seismics and gravity data. Geophysical Journal International, 2004, 158, 529-553. | 2.4 | 162 |
| 8 | Sedimentary sequences in the Gulf of Lion: A record of 100,000 years climatic cycles. Marine and Petroleum Geology, 2005, 22, 775-804. | 3.3 | 162 |
| 9 | Un nouveau point de dÃ©part pour l'histoire de l'Atlantique central. Comptes Rendus - Geoscience, 2004, 336, 1041-1052. | 1.2 | 161 |
| 10 | A twoâ€•step process for the reflooding of the<scp>M</scp>editerranean after the<scp>M</scp>essinian<scp>S</scp>alinity<scp>C</scp>risis. Basin Research, 2012, 24, 125-153. | 2.7 | 134 |
| 11 | Axial incision: The key to understand submarine canyon evolution (in the western Gulf of Lion). Marine and Petroleum Geology, 2005, 22, 805-826. | 3.3 | 131 |
| 12 | Messinian erosional and salinity crises: View from the Provence Basin (Gulf of Lions, Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 | 4.4 | 109 |
| 13 | Paleogeographic evolution of the central segment of the South Atlantic during Early Cretaceous times: Paleotopographic and geodynamic implications. Tectonophysics, 2013, 604, 191-223. | 2.2 | 108 |
| 14 | Evolution of rifted continental margins: The case of the Gulf of Lions (Western Mediterranean Basin). Earth and Planetary Science Letters, 2010, 292, 345-356. | 4.4 | 85 |
| 15 | Deep structure of the Santos Basinâ€•SÃ£o Paulo Plateau System, SE Brazil. Journal of Geophysical Research: Solid Earth, 2015, 120, 5401-5431. | 3.4 | 71 |
| 16 | New starting point for the Indian Ocean: Second phase of breakup for Gondwana. Earth-Science Reviews, 2019, 191, 26-56. | 9.1 | 64 |
| 17 | Large-scale chemical and thermal division of the Pacific mantle. Nature, 1999, 399, 345-350. | 27.8 | 62 |
| 18 | Crustal structure of a young margin pair: New results across the Liguroâ€“Provencal Basin from wide-angle seismic tomography. Earth and Planetary Science Letters, 2009, 286, 333-345. | 4.4 | 58 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Crustal structure of the SW-Moroccan margin from wide-angle and reflection seismic data (the) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 2.2 | 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. Tectonophysics, 2013, 599, 170-196. | 2.2 | 55 |
| 21 | Quantifying subsidence and isostatic readjustment using sedimentary paleomarkers, example from the Gulf of Lion. Earth and Planetary Science Letters, 2014, 388, 353-366. | 4.4 | 42 |
| 22 | Messinian evaporite deposition during sea level rise in the Gulf of Lions (Western Mediterranean). Marine and Petroleum Geology, 2015, 66, 262-277. | 3.3 | 42 |
| 23 | Imaging proto-oceanic crust off the Brazilian Continental Margin. Geophysical Journal International, 2014, 200, 471-488. | 2.4 | 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. Bulletin - Societie Geologique De France, 2015, 186, 309-330. | 2.2 | 39 |
| 25 | Kinematic keys of the Santosâ€"Namibe basins. Geological Society Special Publication, 2013, 369, 91-107. | 1.3 | 38 |
| 26 | Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. Science, 1997, 278, 1281-1284. | 12.6 | 36 |
| 27 | The Catalan margin during the Messinian Salinity Crisis: Physiography, morphology and sedimentary record. Marine Geology, 2011, 284, 158-174. | 2.1 | 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. Bulletin - Societie Geologique De France, 2015, 186, 331-351. | 2.2 | 31 |
| 29 | Biogeographic mechanisms involved in the colonization of Madagascar by African vertebrates: Rifting, rafting and runways. Journal of Biogeography, 2021, 48, 492-510. | 3.0 | 31 |
| 30 | Stratigraphic simulations of the shelf of the Gulf of Lions: testing subsidence rates and seaâ€level curves during the Pliocene and Quaternary. Terra Nova, 2014, 26, 230-238. | 2.1 | 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. Tectonophysics, 2016, 674, 227-252. | 2.2 | 30 |
| 32 | Mesozoic and Early Cenozoic sediment influx and morphology of the Mozambique Basin. Marine and Petroleum Geology, 2015, 66, 890-905. | 3.3 | 29 |
| 33 | Palaeogeographic consequences of conservational models in the South Atlantic Ocean. Geological Society Special Publication, 2013, 369, 75-90. | 1.3 | 27 |
| 34 | Gondwana breakup: Messages from the North Natal Valley. Terra Nova, 2020, 32, 205-214. | 2.1 | 27 |
| 35 | Chemical systematics of an intermediate spreading ridge: The Pacific-Antarctic Ridge between 56Â°S and 66Â°S. Journal of Geophysical Research, 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. Tectonophysics, 2016, 683, 286-307. | 2.2 | 26 |

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|---|---|---|---|
| 37 | 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. | 4.0 | 25 |
| 38 | 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. | 2.2 | 25 |
| 39 | Location of Louisville hotspot and origin of Hollister Ridge: geophysical constraints. Earth and Planetary Science Letters, 1998, 164, 31-40. | 4.4 | 24 |
| 40 | The Cenozoic tectonostratigraphic evolution of the Barracuda Ridge and Tiburon Rise, at the western end of the North Americaâ€“South America plate boundary zone. Marine Geology, 2012, 303-306, 154-171. | 2.1 | 24 |
| 41 | Multi-approach quantification of denudation rates in the Gulf of Lion source-to-sink system (SE) Tj ETQq1 1 0.784314 rgBT /Overlock | 4.4 | 24 |
| 42 | PLACA: a white box for plate reconstruction and best-fit pole determination. Computers and Geosciences, 2005, 31, 437-452. | 4.2 | 23 |
| 43 | Comment on â€˜A new scheme for the opening of the South Atlantic Ocean and the dissection of an Aptian salt basinâ€™ by Trond H. Torsvik, Sonia Rousse, Cinthia Labails and Mark A. Smethurst. Geophysical Journal International, 2010, 183, 20-28. | 2.4 | 22 |
| 44 | Imaging exhumed lower continental crust in the distal Jequitinhonha basin, Brazil. Journal of South American Earth Sciences, 2018, 84, 351-372. | 1.4 | 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. Geobios, 2017, 50, 237-257. | 1.4 | 20 |
| 46 | Analysis of propagators along the Pacificâ€“Antarctic Ridge: evidence for triggering by kinematic changes. Earth and Planetary Science Letters, 2002, 199, 415-428. | 4.4 | 19 |
| 47 | The Minorca Basin: a buffer zone between the Valencia and Liguroâ€ProvenÃ§al Basins (<scp>NW</scp>) Tj ETQq1 1 0.784314 rgBT | 2.1 | 19 |
| 48 | Highâ€resolution evolution of terrigenous sediment yields in the Provence Basin during the last 6ÂMa: relation with climate and tectonics. Basin Research, 2017, 29, 305-339. | 2.7 | 19 |
| 49 | Sedimentary markers in the ProvenÃ§al Basin (western Mediterranean): a window into deep geodynamic processes. Terra Nova, 2015, 27, 122-129. | 2.1 | 17 |
| 50 | Morphological reorganization within the Pacific-Antarctic Discordance. Earth and Planetary Science Letters, 1996, 137, 157-173. | 4.4 | 15 |
| 51 | Variations in axial morphology, segmentation, and seafloor roughness along the Pacific-Antarctic Ridge between 56Â°S and 66Â°S. Journal of Geophysical Research, 2001, 106, 8521-8546. | 3.3 | 15 |
| 52 | The late Messinian event: A worldwide tectonic revolution. Terra Nova, 2018, 30, 207-214. | 2.1 | 15 |
| 53 | The Messinian Ebro River incision. Global and Planetary Change, 2019, 181, 102988. | 3.5 | 15 |
| 54 | 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. | 1.4 | 14 |

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|---|---|---|---|
| 55 | Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean). Marine Geology, 2019, 411, 1-20. | 2.1 | 14 |
| 56 | Deep structure of the ParÃ¡-MaranhÃ£o/Barreirinhas passive margin in the equatorial Atlantic (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.4 | 14 |
| 57 | Deep Structure of the North Natal Valley (Mozambique) Using Combined Wideâ€Angle and Reflection Seismic Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021171. | 3.4 | 13 |
| 58 | Early Eocene vigorous ocean overturning and its contribution to a warm Southern Ocean. Climate of the Past, 2020, 16, 1263-1283. | 3.4 | 13 |
| 59 | Deep-penetration heat flow probes raise questions about interpretations from shorter probes. Eos, 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 | 0.7 | 12 |
| 61 | The Limpopo Magmaâ€Rich Transform Margin, South Mozambique: 1. Insights From Deepâ€Structure Seismic Imaging. Tectonics, 2021, 40, e2021TC006915. | 2.8 | 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. Marine Geology, 2021, 435, 106468. | 2.1 | 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. Solid Earth, 2021, 12, 1865-1897. | 2.8 | 9 |
| 64 | Post-rift evolution of the Gulf of Lion margin tested by stratigraphic modelling. Bulletin - Societie Geologique De France, 2015, 186, 291-308. | 2.2 | 8 |
| 65 | Salt morphologies and crustal segmentation relationship: New insights from the Western Mediterranean Sea. Earth-Science Reviews, 2021, 222, 103818. | 9.1 | 6 |
| 66 | 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. | 1.4 | 6 |
| 67 | Young Marquesas volcanism finally located. Lithos, 2017, 294-295, 356-361. | 1.4 | 5 |
| 68 | Asymmetry of the mantle structure beneath the Midâ€Atlantic Ridge. Geophysical Research Letters, 1992, 19, 1165-1168. | 4.0 | 4 |
| 69 | Corrigendum to: Paleo sea levels reconsidered from direct observation of paleoshoreline position during Glacial Maxima (for the last 500,000Âyears) [Earth Planet. Sci. Lett. 252 (2006), 119–137]. Earth and Planetary Science Letters, 2007, 254, 446-447. | 4.4 | 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#. Marine and Petroleum Geology, 2015, 66, 6-17. | 3.3 | 4 |
| 71 | Structural and sedimentary origin of the Gargano - Pelagosa gateway and impact on sedimentary evolution during the Messinian Salinity Crisis. Earth-Science Reviews, 2022, 232, 104114. | 9.1 | 4 |
| 72 | Slope morphologies offshore Dakhla (SW Moroccan margin). Bulletin - Societie Geologique De France, 2016, 187, 27-39. | 2.2 | 3 |

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| 73 | Comment on â€˜The challenge in restoring magma-rich rifted margins: The example of the Mozambique-Antarctica conjugate marginsâ€™ by Tomasi S. et al.. Gondwana Research, 2022, 103, 401-403. | 6.0 | 3 |
| 74 | From Rifting to Spreading: The Proto-Oceanic Crust. Advances in Science, Technology and Innovation, 2019, , 329-331. | 0.4 | 1 |
| 75 | Passive Margin and Continental Basin: Towards a New Paradigm. Advances in Science, Technology and Innovation, 2019, , 333-336. | 0.4 | 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 |