

# Andreia P Plaza-Faverola

## List of Publications by Year in descending order

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37  
papers

1,348  
citations

361413

20  
h-index

345221

36  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Hydrate Related Bottom-Simulating Reflections Along the West-Svalbard Margin, Fram Strait. , 2022, , 225-235.		1
2	Origin and Periodic Behavior of Short Duration Signals Recorded by Seismometers at Vestnesa Ridge, an Active Seepage Site on the West-Svalbard Continental Margin. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	4
3	Impact of Gas Saturation and Gas Column Height at the Base of the Gas Hydrate Stability Zone on Fracturing and Seepage at Vestnesa Ridge, West-Svalbard Margin. <i>Energies</i> , 2022, 15, 3156.	3.1	4
4	Glacially Induced Stress Across the Arctic From the Eemian Interglacial to the Presentâ€”Implications for Faulting and Methane Seepage. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	7
5	Interactions between deep formation fluid and gas hydrate dynamics inferred from pore fluid geochemistry at active pockmarks of the Vestnesa Ridge, west Svalbard margin. <i>Marine and Petroleum Geology</i> , 2021, 127, 104957.	3.3	9
6	A Continuous Seismostratigraphic Framework for the Western Svalbard-Barents Sea Margin Over the Last 2.7 Ma: Implications for the Late Cenozoic Glacial History of the Svalbard-Barents Sea Ice Sheet. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
7	Physical conditions and frictional properties in the source region of a slow-slip event. <i>Nature Geoscience</i> , 2021, 14, 334-340.	12.9	14
8	The Plio-Pleistocene seepage history off western Svalbard inferred from 3D petroleum systems modelling. <i>Marine and Petroleum Geology</i> , 2021, 128, 105023.	3.3	8
9	Impact of tides and sea-level on deep-sea Arctic methane emissions. <i>Nature Communications</i> , 2020, 11, 5087.	12.8	34
10	Crustal processes sustain Arctic abiogenic gas hydrate and fluid flow systems. <i>Scientific Reports</i> , 2020, 10, 10679.	3.3	9
11	Detection of Gas Hydrates in Faults Using Azimuthal Seismic Velocity Analysis, Vestnesa Ridge, Wâ€Svalbard Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017949.	3.4	18
12	A 160,000-year-old history of tectonically controlled methane seepage in the Arctic. <i>Science Advances</i> , 2019, 5, eaaw1450.	10.3	60
13	Evolution of contourite drifts in regions of slope failures at eastern Fram Strait. <i>Arktos</i> , 2019, 5, 105-120.	1.0	5
14	Repeatability of high-resolution 3D seismic data. <i>Geophysics</i> , 2019, 84, B75-B94.	2.6	14
15	Correlation between tectonic stress regimes and methane seepage on the western Svalbard margin. <i>Solid Earth</i> , 2019, 10, 79-94.	2.8	33
16	Modelling persistent methane seepage offshore western Svalbard since early Pleistocene. <i>Marine and Petroleum Geology</i> , 2018, 91, 800-811.	3.3	29
17	3â€ Seismic Investigation of a Gas Hydrate and Fluid Flow System on an Active Midâ€Ocean Ridge; Svyatogor Ridge, Fram Strait. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2325-2341.	2.5	19
18	Methane seepage at Vestnesa Ridge (NW Svalbard) since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2018, 193, 98-117.	3.0	32

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19	Bottomâ€simulating reflector dynamics at Arctic thermogenic gas provinces: An example from Vestnesa Ridge, offshore west Svalbard. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4089-4105.	3.4	49
20	Massive blow-out craters formed by hydrate-controlled methane expulsion from the Arctic seafloor. <i>Science</i> , 2017, 356, 948-953.	12.6	177
21	Microseismicity Linked to Gas Migration and Leakage on the Western Svalbard Shelf. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4623-4645.	2.5	16
22	Removal of methane through hydrological, microbial, and geochemical processes in the shallow sediments of pockmarks along eastern Vestnesa Ridge (Svalbard). <i>Limnology and Oceanography</i> , 2016, 61, S324.	3.1	42
23	Splay fault branching from the <sc>H</sc>ikurangi subduction shear zone: Implications for slow slip and fluid flow. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 5009-5023.	2.5	23
24	Regulation of ice stream flow through subglacial formation of gas hydrates. <i>Nature Geoscience</i> , 2016, 9, 370-374.	12.9	38
25	Gas migration through Opouawe Bank at the Hikurangi margin offshore New Zealand. <i>Geo-Marine Letters</i> , 2016, 36, 187-196.	1.1	18
26	Gas hydrate and free gas detection using seismic quality factor estimates from high-resolution P-cable 3D seismic data. <i>Interpretation</i> , 2016, 4, SA39-SA54.	1.1	20
27	Bivalve shell horizons in seafloor pockmarks of the last glacialâ€interglacial transition: a thousand years of methane emissions in the <sc>A</sc>rtic <sc>O</sc>cean. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4108-4129.	2.5	29
28	Role of tectonic stress in seepage evolution along the gas hydrateâ€charged Vestnesa Ridge, Fram Strait. <i>Geophysical Research Letters</i> , 2015, 42, 733-742.	4.0	95
29	Abiotic methane from ultraslow-spreading ridges can charge Arctic gas hydrates. <i>Geology</i> , 2015, 43, 371-374.	4.4	52
30	Thermal evolution of the New Zealand Hikurangi subduction margin: Impact on natural gas generation and methane hydrate formation â€ A model study. <i>Marine and Petroleum Geology</i> , 2015, 63, 97-114.	3.3	60
31	Submarine gas seepage in a mixed contractional and shear deformation regime: Cases from the Hikurangi obliqueâ€subduction margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 416-433.	2.5	33
32	Shallow methane hydrate system controls ongoing, downslope sediment transport in a lowâ€velocity active submarine landslide complex, <sc>H</sc>ikurangi <sc>M</sc>argin, <sc>N</sc>ew <sc>Z</sc>ealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4137-4156.	2.5	67
33	Evolution of fluid expulsion and concentrated hydrate zones across the southern Hikurangi subduction margin, New Zealand: An analysis from depth migrated seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	74
34	The free gas zone beneath gas hydrate bearing sediments and its link to fluid flow: 3-D seismic imaging offshore mid-Norway. <i>Marine Geology</i> , 2012, 291-294, 211-226.	2.1	22
35	Repeated fluid expulsion through sub-seabed chimneys offshore Norway in response to glacial cycles. <i>Earth and Planetary Science Letters</i> , 2011, 305, 297-308.	4.4	109
36	Evidence from threeâ€dimensional seismic tomography for a substantial accumulation of gas hydrate in a fluidâ€escape chimney in the Nyegga pockmark field, offshore Norway. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58

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37	Fluid distributions inferred from P-wave velocity and reflection seismic amplitude anomalies beneath the Nyegga pockmark field of the mid-Norwegian margin. <i>Marine and Petroleum Geology</i> , 2010, 27, 46-60.	3.3	57