

# David Amblas

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

1,653  
citations

21  
h-index

40  
g-index

54  
ext. papers

1,923  
ext. citations

5.2  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
51	Ploughing the deep sea floor. <i>Nature</i> , <b>2012</b> , 489, 286-9	50.4	301
50	Stability of the Larsen B ice shelf on the Antarctic Peninsula during the Holocene epoch. <i>Nature</i> , <b>2005</b> , 436, 681-5	50.4	239
49	Marine litter on the floor of deep submarine canyons of the Northwestern Mediterranean Sea: The role of hydrodynamic processes. <i>Progress in Oceanography</i> , <b>2015</b> , 134, 379-403	3.8	122
48	Subglacial morphology and glacial evolution of the Palmer deep outlet system, Antarctic Peninsula. <i>Geomorphology</i> , <b>2006</b> , 75, 125-142	4.3	100
47	A walk down the Cap de Creus canyon, Northwestern Mediterranean Sea: Recent processes inferred from morphology and sediment bedforms. <i>Marine Geology</i> , <b>2007</b> , 246, 176-192	3.3	80
46	Construction of an oceanic island: Insights from the El Hierro (Canary Islands) 2011-2012 submarine volcanic eruption. <i>Geology</i> , <b>2013</b> , 41, 355-358	5	55
45	Morphogenetic mesoscale analysis of the northeastern Iberian margin, NW Mediterranean Basin. <i>Marine Geology</i> , <b>2006</b> , 234, 3-20	3.3	55
44	Understanding sediment dynamics of two large submarine valleys from seafloor data: Blanes and La Fonera canyons, northwestern Mediterranean Sea. <i>Marine Geology</i> , <b>2011</b> , 280, 20-39	3.3	54
43	A review of undulated sediment features on Mediterranean prodeltas: distinguishing sediment transport structures from sediment deformation. <i>Marine Geophysical Researches</i> , <b>2011</b> , 32, 49-69	2.3	51
42	Relationship between continental rise development and palaeo-ice sheet dynamics, Northern Antarctic Peninsula Pacific margin. <i>Quaternary Science Reviews</i> , <b>2006</b> , 25, 933-944	3.9	51
41	Persistent natural acidification drives major distribution shifts in marine benthic ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20150587	4.4	47
40	A model for the long-profile shape of submarine canyons. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		38
39	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , <b>2020</b> , 7, 176	8.2	37
38	Configuration of the Northern Antarctic Peninsula Ice Sheet at LGM based on a new synthesis of seabed imagery. <i>Cryosphere</i> , <b>2015</b> , 9, 613-629	5.5	35
37	Long-term development and current status of the Barcelona continental shelf: A source-to-sink approach. <i>Continental Shelf Research</i> , <b>2007</b> , 27, 1779-1800	2.4	29
36	Eivissa slides, western Mediterranean Sea: morphology and processes. <i>Geo-Marine Letters</i> , <b>2006</b> , 26, 225-233		29
35	Submarine canyons of Santa Monica Bay, Southern California: Variability in morphology and sedimentary processes. <i>Marine Geology</i> , <b>2015</b> , 365, 61-79	3.3	28

34	Sediment undulations on the Llobregat prodelta: Signs of early slope instability or sedimentary bedforms?. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		28
33	Bathymetric Extent of Recent Trawl Damage to the Seabed Captured by an ROV Transect in the Alboran Sea. <i>Oceanography</i> , <b>2015</b> , 28, 8-10	2.3	27
32	A submarine volcanic eruption leads to a novel microbial habitat. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 144	12.3	23
31	Transient erosion in the Valencia Trough turbidite systems, NW Mediterranean Basin. <i>Geomorphology</i> , <b>2011</b> , 130, 173-184	4.3	21
30	The BIG95 Submarine Landslide-Generated Tsunami: A Numerical Simulation. <i>Journal of Geology</i> , <b>2012</b> , 120, 31-48	2	21
29	Landslides Cause Tsunami Waves: Insights From Aysñ Fjord, Chile. <i>Eos</i> , <b>2013</b> , 94, 297-298	1.5	19
28	Imaging the Seascapes of the Mediterranean. <i>Oceanography</i> , <b>2004</b> , 17, 144-155	2.3	18
27	Morphology and sediment dynamics of the northern Catalan continental shelf, northwestern Mediterranean Sea. <i>Geomorphology</i> , <b>2014</b> , 204, 1-20	4.3	16
26	Survival of a submarine canyon during long-term outbuilding of a continental margin. <i>Geology</i> , <b>2012</b> , 40, 543-546	5	16
25	Sediment dynamics and post-glacial evolution of the continental shelf around the Blanes submarine canyon head (NW Mediterranean). <i>Progress in Oceanography</i> , <b>2013</b> , 118, 28-46	3.8	15
24	An experimental approach to submarine canyon evolution. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2741-2747	4.7	13
23	Significance of the fine drainage pattern for submarine canyon evolution: The Foix Canyon System, Northwestern Mediterranean Sea. <i>Geomorphology</i> , <b>2013</b> , 184, 20-37	4.3	13
22	Morphometry of Concepcion Bank: Evidence of Geological and Biological Processes on a Large Volcanic Seamount of the Canary Islands Seamount Province. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156337	3.7	11
21	Submarine Canyons and Gullies. <i>Springer Geology</i> , <b>2018</b> , 251-272	0.8	11
20	Physiographic influences on dense shelf-water cascading down the Antarctic continental slope. <i>Earth-Science Reviews</i> , <b>2018</b> , 185, 887-900	10.2	9
19	On the termination of deep-sea fan channels: Examples from the Rhñe Fan (Gulf of Lion, Western Mediterranean Sea). <i>Geomorphology</i> , <b>2020</b> , 369, 107368	4.3	5
18	High-Performance Compression of Multibeam Echosounders Water Column Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 1771-1783	4.7	4
17	Influence on present-day coastal dynamics and evolution of a relict subaqueous delta lobe: Sol de Riu lobe, Ebro Delta. <i>Continental Shelf Research</i> , <b>2014</b> , 74, 94-104	2.4	4

16	Cold-Water Coral Colonization of Alboran Sea Knolls, Western Mediterranean Sea <b>2012</b> , 819-829		4
15	The seafloor imprint of the Gerlache-Boyd Ice Stream (65°S), northern Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 477-484	0.4	4
14	Earthquake-Triggered Subaerial Landslides that Caused Large Scale Fjord Sediment Deformation: Combined Subaerial and Submarine Studies of the 2007 Aysén Fjord Event, Chile <b>2014</b> , 67-70		3
13	Paleo-ice flow directions of the Northern Antarctic Peninsula ice sheet based upon a new synthesis of seabed imagery		2
12	Contourite drifts and canyon-channel systems on the Northern Antarctic Peninsula Pacific margin. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 393-394	0.4	2
11	Bedrock meltwater channels in Palmer Deep, Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 211-212	0.4	2
10	Cross-shelf troughs in Central Bransfield Basin, Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 171-172	0.4	2
9	Fjord-flank collapse and associated deformation in Aysén Fjord, Chile. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 107-108	0.4	2
8	Cold-Water Coral Distribution in an Erosional Environment <b>2012</b> , 635-643		1
7	Small, deep shelf-basins and their sedimentary infill, western Bransfield Strait, Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 213-214	0.4	1
6	Landform assemblage produced by the Biscoe Trough ice stream, northern Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 341-344	0.4	1
5	Seafloor kettle holes in Orleans Trough, Bransfield Basin, Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 313-314	0.4	1
4	The bundle: a mega-scale glacial landform left by an ice stream, Western Bransfield Basin. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 177-178	0.4	1
3	Gebra Slide: glacial and tectonic controls on recurrent submarine landsliding off the northern tip of the Antarctic Peninsula. <i>Geological Society Memoir</i> , <b>2016</b> , 46, 417-418	0.4	1
2	Compression of Multibeam Echosounders Bathymetry and Water Column Data. <i>Remote Sensing</i> , <b>2022</b> , 14, 2063	5	1
1	Distribution of seagrass communities north of Barcelona, Northwestern Mediterranean Sea <b>2020</b> , 385-401		