

Antonio Cattaneo

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.

68 papers	3,163 citations	28 h-index	55 g-index
74 ext. papers	3,504 ext. citations	3.2 avg, IF	4.96 L-index

#	Paper	IF	Citations
68	Transgressive deposits: a review of their variability. <i>Earth-Science Reviews</i> , 2003 , 62, 187-228	10.2	415
67	Slope failure dynamics and impacts from seafloor and shallow sub-seafloor geophysical data: case studies from the COSTA project. <i>Marine Geology</i> , 2004 , 213, 9-72	3.3	312
66	The late-Holocene Gargano subaqueous delta, Adriatic shelf: Sediment pathways and supply fluctuations. <i>Marine Geology</i> , 2003 , 193, 61-91	3.3	265
65	Triggering mechanisms of slope instability processes and sediment failures on continental margins: a geotechnical approach. <i>Marine Geology</i> , 2004 , 213, 291-321	3.3	250
64	The modern Po Delta system: Lobe switching and asymmetric prodelta growth. <i>Marine Geology</i> , 2005 , 222-223, 49-74	3.3	132
63	Coastal dynamics under conditions of rapid sea-level rise: Late Pleistocene to Early Holocene evolution of barrier-lagoon systems on the northern Adriatic shelf (Italy). <i>Quaternary Science Reviews</i> , 2008 , 27, 1107-1123	3.9	114
62	The Western Adriatic shelf clinoform: energy-limited bottomset. <i>Continental Shelf Research</i> , 2007 , 27, 506-525	2.4	97
61	Tephra layers in Late Quaternary sediments of the central Adriatic Sea. <i>Marine Geology</i> , 1998 , 149, 191-209	3.9	93
60	Age modelling of late Quaternary marine sequences in the Adriatic: Towards improved precision and accuracy using volcanic event stratigraphy. <i>Continental Shelf Research</i> , 2007 , 27, 560-582	2.4	91
59	26th December 2004 great Sumatra-Andaman earthquake: Co-seismic and post-seismic motions in northern Sumatra. <i>Earth and Planetary Science Letters</i> , 2007 , 263, 88-103	5.3	79
58	Evidence of soft sediment deformation, fluid escape, sediment failure and regional weak layers within the late Quaternary mud deposits of the Adriatic Sea. <i>Marine Geology</i> , 2004 , 213, 91-119	3.3	70
57	Seafloor undulation pattern on the Adriatic shelf and comparison to deep-water sediment waves. <i>Marine Geology</i> , 2004 , 213, 121-148	3.3	67
56	Tectonic expression of an active slab tear from high-resolution seismic and bathymetric data offshore Sicily (Ionian Sea). <i>Tectonics</i> , 2016 , 35, 39-54	4.3	61
55	Sea-level change and free gas occurrence influencing a submarine landslide and pockmark formation and distribution in deepwater Nigeria. <i>Earth and Planetary Science Letters</i> , 2013 , 375, 78-91	5.3	59
54	Recent and active deformation pattern off the easternmost Algerian margin, Western Mediterranean Sea: New evidence for contractional tectonic reactivation. <i>Marine Geology</i> , 2009 , 261, 17-32	3.3	58
53	A review of undulated sediment features on Mediterranean prodeltas: distinguishing sediment transport structures from sediment deformation. <i>Marine Geophysical Researches</i> , 2011 , 32, 49-69	2.3	51
52	Morphology, distribution and origin of recent submarine landslides of the Ligurian Margin (North-western Mediterranean): some insights into geohazard assessment. <i>Marine Geophysical Researches</i> , 2011 , 32, 225-243	2.3	49

51	Anatomy of a compound delta from the post-glacial transgressive record in the Adriatic Sea. <i>Marine Geology</i> , 2015 , 362, 43-59	3.3	45
50	Geometry and chronology of late Quaternary depositional sequences in the Eastern Niger Submarine Delta. <i>Marine Geology</i> , 2012 , 319-322, 1-20	3.3	35
49	Contourite distribution and bottom currents in the NW Mediterranean Sea: Coupling seafloor geomorphology and hydrodynamic modelling. <i>Geomorphology</i> , 2019 , 333, 43-60	4.3	35
48	Searching for the seafloor signature of the 21 May 2003 Boumerde earthquake offshore central Algeria. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 2159-2172	3.9	33
47	Tectonic inheritance and Pliocene-Pleistocene inversion of the Algerian margin around Algiers: Insights from multibeam and seismic reflection data. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	33
46	Mediterranean Prodelta Systems: Natural Evolution and Human Impact Investigated by EURODELTA. <i>Oceanography</i> , 2004 , 17, 34-45	2.3	32
45	Clinof orm Generation on Mediterranean Margins. <i>Oceanography</i> , 2004 , 17, 104-117	2.3	32
44	The Pianosa Contourite Depositional System (Northern Tyrrhenian Sea): Drift morphology and Plio-Quaternary stratigraphic evolution. <i>Marine Geology</i> , 2016 , 378, 20-42	3.3	32
43	Morphological control of slope instability in contourites: a geotechnical approach. <i>Landslides</i> , 2018 , 15, 1085-1095	6.6	31
42	Sedimentary structures offshore Ortona, Adriatic Sea [Deformation or sediment waves?]. <i>Marine Geology</i> , 2006 , 234, 261-270	3.3	31
41	Sedimentary response to climate and sea level changes during the past ~400 ka from borehole PRAD10 (Adriatic margin). <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	28
40	Depositional Patterns in the Late Holocene Po Delta System 2011 , 365-392		28
39	Holocene turbidites record earthquake supercycles at a slow-rate plate boundary. <i>Geology</i> , 2015 , 43, 331-334	5	27
38	Subsidence pattern in the central Adriatic and its influence on sediment architecture during the last 400 kyr. <i>Journal of Geophysical Research</i> , 2010 , 115,		27
37	Control of Quaternary sea-level changes on gas seeps. <i>Geophysical Research Letters</i> , 2014 , 41, 4970-4974.9		26
36	Large-scale response of the Eastern Mediterranean thermohaline circulation to African monsoon intensification during sapropel S1 formation. <i>Quaternary Science Reviews</i> , 2017 , 159, 139-154	3.9	25
35	Meiofauna assemblages of the Condor Seamount (North-East Atlantic Ocean) and adjacent deep-sea sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013 , 98, 87-100	2.3	25
34	A geomechanical approach for the genesis of sediment undulations on the Adriatic shelf. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	24

33	Failure mechanisms of Ana Slide from geotechnical evidence, Eivissa Channel, Western Mediterranean Sea. <i>Marine Geology</i> , 2012 , 307-310, 1-21	3-3	22
32	Control of the geomorphology and gas hydrate extent on widespread gas emissions offshore Romania. <i>Bulletin - Societie Geologique De France</i> , 2017 , 188, 26	2-3	20
31	Analysis of Holocene sedimentary features on the Adriatic shelf from 3D very high resolution seismic data (Triad survey). <i>Marine Geology</i> , 2004 , 213, 73-89	3-3	20
30	Contourite and mixed turbidite-contourite systems in the Mozambique Channel (SW Indian Ocean): Link between geometry, sediment characteristics and modelled bottom currents. <i>Marine Geology</i> , 2021 , 437, 106502	3-3	18
29	Analyses of a large-scale depositional clinoformal wedge along the Italian Adriatic coast. <i>Marine Geology</i> , 2005 , 222-223, 179-192	3-3	17
28	The impact of internal waves on upper continental slopes: insights from the Mozambican margin (southwest Indian Ocean). <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 1469-1482	3-7	15
27	Deep sea in situ excess pore pressure and sediment deformation off NW Sumatra and its relation with the December 26, 2004 Great Sumatra-Andaman Earthquake. <i>International Journal of Earth Sciences</i> , 2009 , 98, 823-837	2-2	15
26	Palaeomagnetic and rock magnetic analysis of Holocene deposits from the Adriatic Sea: detecting and dating short-term fluctuations in sediment supply. <i>Holocene</i> , 2008 , 18, 141-152	2-6	14
25	Factors controlling margin instability during the Plio-Quaternary in the Gela Basin (Strait of Sicily, Mediterranean Sea). <i>Marine and Petroleum Geology</i> , 2021 , 123, 104767	4-7	13
24	Origin and chronology of the Augias deposit in the Ionian Sea (Central Mediterranean Sea), based on new regional sedimentological data. <i>Marine Geology</i> , 2017 , 384, 199-213	3-3	12
23	Morphology of retrogressive failures in the Eastern Rhone interfluvium during the last glacial maximum (Gulf of Lions, Western Mediterranean). <i>Geomorphology</i> , 2020 , 351, 106894	4-3	12
22	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	3-3	11
21	Contourite identification along Italian margins: The case of the Portofino drift (Ligurian Sea). <i>Marine and Petroleum Geology</i> , 2017 , 87, 137-147	4-7	10
20	Comment on Zemouri earthquake rupture zone (Mw 6.8, Algeria): Aftershocks sequence relocation and 3D velocity model by A. Ayadi et al.. <i>Journal of Geophysical Research</i> , 2010 , 115,		10
19	Altered volcanic deposits as basal failure surfaces of submarine landslides. <i>Geology</i> , 2018 , 46, 663-666	5	8
18	Fluid escape features as relevant players in the enhancement of seafloor stability?. <i>Terra Nova</i> , 2019 , 31, 540-548	3	7
17	Turbidite chronostratigraphy off Algiers, central Algerian margin: A key for reconstructing Holocene paleo-earthquake cycles. <i>Marine Geology</i> , 2017 , 384, 63-80	3-3	7
16	Integrated geophysical, sedimentological and geotechnical investigation of submarine landslides in the Gulf of Lions (Western Mediterranean). <i>Geological Society Special Publication</i> , 2020 , 500, 359-376	1-7	6

15	Submarine Landslides Along the Algerian Margin: A Review of Their Occurrence and Potential Link with Tectonic Structures 2010 , 515-525		6
14	Failure Processes and Gravity-Flow Transformation Revealed by High-Resolution AUV Swath Bathymetry on the Nice Continental Slope (Ligurian Sea) 2012 , 451-461		6
13	Modern Submarine Landslide Complexes. <i>Geophysical Monograph Series</i> , 2019 , 181-200	1.1	6
12	Post-LGM multi-proxy sedimentary record of bottom-current variability and downslope sedimentary processes in a contourite drift of the Gela Basin (Strait of Sicily). <i>Marine Geology</i> , 2021 , 439, 106564	3.3	6
11	The Kramis Deep-Sea Fan off Western Algeria: Role of Sediment Waves in Turbiditic Levee Growth 2012 , 293-308		5
10	Submarine Landslides and Contourite Drifts Along the Pianosa Ridge (Corsica Trough, Mediterranean Sea). <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 435-445	1.8	5
9	Searching for the Record of Historical Earthquakes, Floods and Anthropogenic Activities in the Var Sedimentary Ridge (NW Mediterranean). <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 571-581	1.8	5
8	Implications of Sediment Dynamics in Mass Transport along the Pianosa Ridge (Northern Tyrrhenian Sea). <i>Advances in Natural and Technological Hazards Research</i> , 2016 , 301-309	1.8	4
7	Identification of Shear Zones and Their Causal Mechanisms Using a Combination of Cone Penetration Tests and Seismic Data in the Eastern Niger Delta 2010 , 55-65		4
6	Fiber optic monitoring of active faults at the seafloor: I the FOCUS project 2019 , 32-37		4
5	Fluid seepage associated with slope destabilization along the Zambezi margin (Mozambique). <i>Marine Geology</i> , 2020 , 428, 106275	3.3	3
4	The Last Glacial Maximum Balearic Abyssal Plain megabed revisited. <i>Geological Society Special Publication</i> , 2020 , 500, 341-357	1.7	3
3	Detailed Analysis of a Submarine Landslide (SAR-27) in the Deep Basin Offshore Algiers (Western Mediterranean) 2010 , 541-552		1
2	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. <i>Advances in Science, Technology and Innovation</i> , 2022 , 265-270	0.3	
1	Distinguishing Sediment Bedforms from Sediment Deformation in Prodeeltas of the Mediterranean Sea 2012 , 233-244		