

Michele Rebesco

List of Publications by Year in descending order

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95
papers

5,074
citations

109321
35
h-index

91884
69
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105
all docs

105
docs citations

105
times ranked

4078
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and evolution of submarine canyons on the northwest South China Sea margin. <i>Marine Geology</i> , 2022, 443, 106695.	2.1	5
2	Recognizing key sedimentary facies and their distribution in mixed turbidite–contourite depositional systems: The case of the Pacific margin of the Antarctic Peninsula. <i>Sedimentology</i> , 2022, 69, 1953-1991.	3.1	12
3	The International Bathymetric Chart of the Southern Ocean Version 2. <i>Scientific Data</i> , 2022, 9, .	5.3	28
4	Role of dense shelf water in the development of Antarctic submarine canyon morphology. <i>Geomorphology</i> , 2021, 372, 107453.	2.6	16
5	The role of sediment gravity flows on the morphological development of a large submarine canyon (Taiwan Canyon), north-east South China Sea. <i>Sedimentology</i> , 2021, 68, 1091-1108.	3.1	13
6	A mixed turbidite – contourite system related to a major submarine canyon: The Marquês de Pombal Drift (south-west Iberian margin). <i>Sedimentology</i> , 2021, 68, 2069-2096.	3.1	11
7	Bottom current control on sediment deposition between the Iselin Bank and the Hillary Canyon (Antarctica) since the late Miocene: An integrated seismic-oceanographic approach. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 176, 103606.	1.4	7
8	Bottom current-controlled Quaternary sedimentation at the foot of the Malta Escarpment (Ionian) Tj ETQq0 0 0 rgBT/Overlook 10 Tf 50	2.1	12
9	Contourites along the Iberian continental margins: conceptual and economic implications. <i>Geological Society Special Publication</i> , 2020, 476, 403-436.	1.3	19
10	The Baiyun Slide Complex, South China Sea: A modern example of slope instability controlling submarine-channel incision on continental slopes. <i>Marine and Petroleum Geology</i> , 2020, 114, 104231.	3.3	9
11	A refined age calibrated paleosecular variation and relative paleointensity stack for the NW Barents Sea: Implication for geomagnetic field behavior during the Holocene. <i>Quaternary Science Reviews</i> , 2020, 229, 106133.	3.0	9
12	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	5.3	129
13	Simulated last deglaciation of the Barents Sea Ice Sheet primarily driven by oceanic conditions. <i>Quaternary Science Reviews</i> , 2020, 238, 106314.	3.0	14
14	4 A Turbulent Story: Mediterranean Contourites and Cold-Water Corals. <i>Coral Reefs of the World</i> , 2019, , 35-46.	0.7	6
15	Deep Flow Variability Offshore South-West Svalbard (Fram Strait). <i>Water (Switzerland)</i> , 2019, 11, 683.	2.7	10
16	Different origins of seafloor undulations in a submarine canyon system, northern South China Sea, based on their seismic character and relative location. <i>Marine Geology</i> , 2019, 413, 99-111.	2.1	11
17	Fluid flow and pore pressure development throughout the evolution of a trough mouth fan, western Barents Sea. <i>Basin Research</i> , 2019, 31, 487-513.	2.7	13
18	Glacigenic and glacialmarine sedimentation from shelf to trough settings in the NW Barents Sea. <i>Marine Geology</i> , 2018, 402, 184-193.	2.1	4

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19	Paleomagnetism and rock magnetism from sediments along a continental shelf-to-slope transect in the NW Barents Sea: Implications for geomagnetic and depositional changes during the past 15 thousand years. <i>Global and Planetary Change</i> , 2018, 160, 10-27.	3.5	13
20	Sedimentary Environments: Contourites â†. , 2018, , .		1
21	Sediment properties in submarine mass-transport deposits using seismic and rock-physics off NW Barents Sea. <i>Marine Geology</i> , 2018, 402, 264-278.	2.1	9
22	How do turbidity flows interact with contour currents in unidirectionally migrating deep-water channels?. <i>Geology</i> , 2018, 46, 551-554.	4.4	44
23	Interplay of grounding-line dynamics and sub-shelf melting during retreat of the Bj�rn�yrenna Ice Stream. <i>Scientific Reports</i> , 2018, 8, 7196.	3.3	10
24	A new multi�proxy investigation of Late Quaternary palaeoenvironments along the north�western Barents Sea (Storfjorden Trough Mouth Fan). <i>Journal of Quaternary Science</i> , 2018, 33, 662-676.	2.1	5
25	The role of deep-water sedimentary processes in shaping a continental margin: The Northwest Atlantic. <i>Marine Geology</i> , 2017, 393, 245-259.	2.1	69
26	Deglacial to Holocene history of ice-sheet retreat and bottom current strength on the western Barents Sea shelf. <i>Quaternary Science Reviews</i> , 2017, 173, 40-57.	3.0	15
27	Advancements in Understanding Deep-Sea Clastic Sedimentation Processes: a preface. <i>Marine Geology</i> , 2017, 393, 1-3.	2.1	6
28	Glacigenic debris-flow deposits, Storfjorden Fan. <i>Geological Society Memoir</i> , 2016, 46, 373-374.	1.7	3
29	Buried iceberg-keel scouring on the southern Spitsbergenbanken, NW Barents Sea. <i>Marine Geology</i> , 2016, 382, 68-79.	2.1	9
30	Grounding-zone wedges and mega-scale glacial lineations in Kveithola Trough, Barents Sea. <i>Geological Society Memoir</i> , 2016, 46, 231-232.	1.7	1
31	Storfjorden Trough-Mouth Fan, Barents Sea margin. <i>Geological Society Memoir</i> , 2016, 46, 371-372.	1.7	1
32	Slope instability along the western margin of the Antarctic Peninsula. <i>Geological Society Memoir</i> , 2016, 46, 399-400.	1.7	1
33	Evolution of a high-latitude sediment drift inside a glacially-carved trough based on high-resolution seismic stratigraphy (Kveithola, NW Barents Sea). <i>Quaternary Science Reviews</i> , 2016, 147, 178-193.	3.0	27
34	A giant, submarine creep zone as a precursor of large-scale slope instability offshore the Dongsha Islands (South China Sea). <i>Earth and Planetary Science Letters</i> , 2016, 451, 272-284.	4.4	29
35	Oceanographic processes and morphosedimentary products along the Iberian margins: A new multidisciplinary approach. <i>Marine Geology</i> , 2016, 378, 127-156.	2.1	60
36	Marine sedimentary record of Meltwater Pulse 1a along the NW Barents Sea continental margin. <i>Arktos</i> , 2015, 1, 1.	1.0	22

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37	Late Quaternary development of the Storfjorden and Kveithola Trough Mouth Fans, northwestern Barents Sea. <i>Quaternary Science Reviews</i> , 2015, 129, 68-84.	3.0	22
38	High-resolution sequence stratigraphy of clastic shelves IV: High-latitude settings. <i>Marine and Petroleum Geology</i> , 2015, 68, 427-437.	3.3	34
39	Drilling Glacial Deposits in Offshore Polar Regions. <i>Eos</i> , 2014, 95, 277-278.	0.1	11
40	Contourites and associated sediments controlled by deep-water circulation processes: State-of-the-art and future considerations. <i>Marine Geology</i> , 2014, 352, 111-154.	2.1	582
41	The carbonate mass transport deposits of the Paleogene Friuli Basin (Italy/Slovenia): Internal anatomy and inferred genetic processes. <i>Marine Geology</i> , 2014, 356, 88-110.	2.1	57
42	Boundary condition of grounding lines prior to collapse, Larsen-B Ice Shelf, Antarctica. <i>Science</i> , 2014, 345, 1354-1358.	12.6	45
43	Onset and growth of Trough-Mouth Fans on the North-Western Barents Sea margin – implications for the evolution of the Barents Sea/Svalbard Ice Sheet. <i>Quaternary Science Reviews</i> , 2014, 92, 227-234.	3.0	30
44	Slope Instability of Glaciated Continental Margins: Constraints from Permeability-Compressibility Tests and Hydrogeological Modeling Off Storfjorden, NW Barents Sea. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 95-104.	1.1	6
45	Postglacial sedimentary processes on the Storfjorden and Kveithola trough mouth fans: Significance of extreme glacialmarine sedimentation. <i>Global and Planetary Change</i> , 2013, 111, 309-326.	3.5	78
46	The International Bathymetric Chart of the Southern Ocean (IBCSO) Version 1.0 – A new bathymetric compilation covering circum-Antarctic waters. <i>Geophysical Research Letters</i> , 2013, 40, 3111-3117.	4.0	334
47	Quaternary contourite drifts of the Western Spitsbergen margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 79, 156-168.	1.4	58
48	Arctic Ocean Gas Hydrate Stability in a Changing Climate. <i>Journal of Geological Research</i> , 2013, 2013, 1-10.	0.7	21
49	The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	888
50	Recent Submarine Landslides on the Continental Slope of Storfjorden and Kveithola Trough-Mouth Fans (North West Barents Sea). , 2012, , 735-745.		15
51	One Million Years of Climatic Generated Landslide Events on the Northwestern Barents Sea Continental Margin. , 2012, , 747-756.		6
52	A Holocene paleosecular variation record from the northwestern Barents Sea continental margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	17
53	Seabed morphology and shallow sedimentary structure of the Storfjorden and Kveithola trough-mouth fans (North West Barents Sea). <i>Marine Geology</i> , 2011, 286, 65-81.	2.1	55
54	Deep-water Circulation: Processes & Products (16-18 June 2010, Baiona): introduction and future challenges. <i>Geo-Marine Letters</i> , 2011, 31, 285-300.	1.1	22

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55	Deglaciation of the western margin of the Barents Sea Ice Sheet – A swath bathymetric and sub-bottom seismic study from the Kveithola Trough. <i>Marine Geology</i> , 2011, 279, 141-147.	2.1	66
56	Giant mounded drifts in the Argentine Continental Margin: Origins, and global implications for the history of thermohaline circulation. <i>Marine and Petroleum Geology</i> , 2010, 27, 1508-1530.	3.3	99
57	Contourite depositional system on the Argentine Slope: An exceptional record of the influence of Antarctic water masses. <i>Geology</i> , 2009, 37, 507-510.	4.4	160
58	Estimation of biogenic silica contents in marine sediments using seismic and well log data: Sediment Drift 7, Antarctica. <i>International Journal of Earth Sciences</i> , 2009, 98, 839-848.	1.8	3
59	New insights in the evolution of Antarctic glaciation from depth conversion of well-log calibrated seismic section of Prydz Bay. <i>International Journal of Earth Sciences</i> , 2009, 98, 1991-2007.	1.8	4
60	Morphobathymetric analysis and evidence of submarine mass movements in the western Gulf of Taranto (Calabria margin, Ionian Sea). <i>International Journal of Earth Sciences</i> , 2009, 98, 791-805.	1.8	35
61	The present and past bottom-current flow regime around the sediment drifts on the continental rise west of the Antarctic Peninsula. <i>Marine Geology</i> , 2008, 255, 55-63.	2.1	47
62	Chapter 22 High-Latitude Contourites. <i>Developments in Sedimentology</i> , 2008, , 457-489.	0.5	6
63	Mass wasting processes in the Western Wilkes Land margin: Possible implications for East Antarctic glacial history. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 77-91.	2.3	30
64	Late Pliocene margin development and mega debris flow deposits on the Antarctic continental margins: Evidence of the onset of the modern Antarctic Ice Sheet?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 149-167.	2.3	40
65	Shallow water sea-floor morphologies around Asinara Island (NW Sardinia, Italy). <i>Continental Shelf Research</i> , 2008, 28, 2550-2564.	1.8	21
66	Chapter 1 Contourite Research. <i>Developments in Sedimentology</i> , 2008, 60, 1-10.	0.5	23
67	Interaction of processes and importance of contourites: insights from the detailed morphology of sediment Drift 7, Antarctica. <i>Geological Society Special Publication</i> , 2007, 276, 95-110.	1.3	23
68	Margin architecture reveals the transition to the modern Antarctic ice sheet ca. 3 Ma: COMMENT AND REPLY: REPLY. <i>Geology</i> , 2007, 35, e140-e140.	4.4	2
69	Glacial contourites on the Antarctic Peninsula margin: insight for palaeoenvironmental and palaeoclimatic conditions. <i>Geological Society Special Publication</i> , 2007, 276, 111-127.	1.3	34
70	A stacked record of relative geomagnetic paleointensity for the past 270 kyr from the western continental rise of the Antarctic Peninsula. <i>Earth and Planetary Science Letters</i> , 2006, 252, 162-179.	4.4	27
71	Subglacial morphology and glacial evolution of the Palmer deep outlet system, Antarctic Peninsula. <i>Geomorphology</i> , 2006, 75, 125-142.	2.6	111
72	Relationship between continental rise development and palaeo-ice sheet dynamics, Northern Antarctic Peninsula Pacific margin. <i>Quaternary Science Reviews</i> , 2006, 25, 933-944.	3.0	54

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73	Variability in Cenozoic sedimentation along the continental rise of the Bellingshausen Sea, West Antarctica. <i>Marine Geology</i> , 2006, 227, 279-298.	2.1	39
74	Miocene reversal of bottom water flow along the Pacific Margin of the Antarctic Peninsula: Stratigraphic evidence from a contourite sedimentary tail. <i>Marine Geology</i> , 2006, 228, 93-116.	2.1	93
75	Late Pliocene Mega Debris Flow Deposit and Related Fluid Escapes Identified on the Antarctic Peninsula Continental Margin by Seismic Reflection Data Analysis. <i>Marine Geophysical Researches</i> , 2006, 27, 109-128.	1.2	44
76	Margin architecture reveals the transition to the modern Antarctic ice sheet ca. 3 Ma. <i>Geology</i> , 2006, 34, 301.	4.4	74
77	Terrigenous flux and biogenic silica deposition at the Antarctic continental rise during the late Miocene to early Pliocene: implications for ice sheet stability and sea ice coverage. <i>Global and Planetary Change</i> , 2005, 45, 131-149.	3.5	42
78	Miocene changes in bottom current regime recorded in continental rise sediments on the Pacific margin of the Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	19
79	Effects of biogenic silica on sediment compaction and slope stability on the Pacific margin of the Antarctic Peninsula. <i>Basin Research</i> , 2003, 15, 339-363.	2.7	94
80	Uncovering the footprint of former ice streams off Antarctica. <i>Eos</i> , 2003, 84, 97.	0.1	22
81	Biostratigraphic characterization and Quaternary microfossil palaeoecology in sediment drifts west of the Antarctic Peninsula – implications for cyclic glacial–interglacial deposition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 198, 237-263.	2.3	32
82	Evidence for orbitally controlled size variations of the East Antarctic Ice Sheet during the late Miocene. <i>Geology</i> , 2003, 31, 777.	4.4	43
83	Water masses and bottom boundary layer dynamics above a sediment drift of the Antarctic Peninsula Pacific Margin. <i>Antarctic Science</i> , 2003, 15, 537-546.	0.9	42
84	Sediment drifts and deep-sea channel systems, Antarctic Peninsula Pacific Margin. <i>Geological Society Memoir</i> , 2002, 22, 353-371.	1.7	47
85	Mid-late Pleistocene glacimarine sedimentary processes of a high-latitude, deep-sea sediment drift (Antarctic Peninsula Pacific margin). <i>Marine Geology</i> , 2002, 189, 343-370.	2.1	104
86	Environmental magnetism of Antarctic Late Pleistocene sediments and interhemispheric correlation of climatic events. <i>Earth and Planetary Science Letters</i> , 2001, 192, 65-80.	4.4	69
87	Seismic expression of contourites and related deposits: a preface. <i>Marine Geophysical Researches</i> , 2001, 22, 303-308.	1.2	159
88	Seismic evidence of small-scale lacustrine drifts in Lake Baikal (Russia). <i>Marine Geophysical Researches</i> , 2001, 22, 445-464.	1.2	35
89	Title is missing!. <i>Marine Geophysical Researches</i> , 2001, 22, 417-443.	1.2	70
90	Acoustic facies of Holocene megaturbidites in the Eastern Mediterranean. <i>Sedimentary Geology</i> , 2000, 135, 65-74.	2.1	35

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91	Seismic stratigraphy of Palmer Deep: a fault-bounded late Quaternary sediment trap on the inner continental shelf, Antarctic Peninsula Pacific margin. Marine Geology, 1998, 151, 89-110.	2.1	44
92	Ten-month observation of the bottom current regime across a sediment drift of the Pacific margin of the Antarctic Peninsula. Antarctic Science, 1997, 9, 426-433.	0.9	66
93	Sediment Drifts on the Continental Rise of the Antarctic Peninsula. , 1997, , 294-296.		6
94	Giant sediment drifts on the continental rise west of the Antarctic Peninsula. Geo-Marine Letters, 1996, 16, 65-75.	1.1	135
95	The History of Sedimentation on the Continental Rise West of the Antarctic Peninsula. Antarctic Research Series, 0, , 29-49.	0.2	40