

Jürgen Titschack

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

257450

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docs citations

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times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Age constraints on the origin and growth history of a deep-water coral mound in the northeast Atlantic drilled during Integrated Ocean Drilling Program Expedition 307. <i>Geology</i> , 2007, 35, 1051.	4.4	124
2	Carbonate budget of a cold-water coral mound (Challenger Mound, IODP Exp. 307). <i>Marine Geology</i> , 2009, 259, 36-46.	2.1	69
3	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.	27.8	69
4	Effects of a deep-sea mining experiment on seafloor microbial communities and functions after 26 years. <i>Science Advances</i> , 2020, 6, eaaz5922.	10.3	64
5	Ice-rafting from the British-Irish ice sheet since the earliest Pleistocene (2.6 million years ago): implications for long-term mid-latitude ice-sheet growth in the North Atlantic region. <i>Quaternary Science Reviews</i> , 2012, 44, 229-240.	3.0	63
6	The giant Mauritanian cold-water coral mound province: Oxygen control on coral mound formation. <i>Quaternary Science Reviews</i> , 2018, 185, 135-152.	3.0	63
7	Aggradation and carbonate accumulation of Holocene Norwegian cold-water coral reefs. <i>Sedimentology</i> , 2015, 62, 1873-1898.	3.1	54
8	From sediment to rock: diagenetic processes of hardground formation in deep-water carbonate mounds of the NE Atlantic. <i>Facies</i> , 2006, 52, 183-208.	1.4	49
9	Magnesium quantification in calcites [(Ca,Mg)CO ₃] by Rietveld-based XRD analysis: Revisiting a well-established method. <i>American Mineralogist</i> , 2011, 96, 1028-1038.	1.9	46
10	Palaeoecology, taphonomy, and preservation of a lower Pliocene shell bed (coquina) from a volcanic oceanic island (Santa Maria Island, Azores). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 430, 57-73.	2.3	44
11	Cold-water coral carbonate mounds as unique palaeo-archives: the Plio-Pleistocene Challenger Mound record (NE Atlantic). <i>Quaternary Science Reviews</i> , 2013, 73, 14-30.	3.0	43
12	Plio-Pleistocene cliff-bound, wedge-shaped, warm-temperate carbonate deposits from Rhodes (Greece): Sedimentology and facies. <i>Sedimentary Geology</i> , 2005, 180, 29-56.	2.1	39
13	Sedimentary evolution of a Late Pleistocene temperate red algal reef (Coralligène) on Rhodes, Greece: correlation with global sea-level fluctuations. <i>Sedimentology</i> , 2008, 55, 1747-1776.	3.1	39
14	The 2.6 Ma depositional sequence from the Challenger cold-water coral carbonate mound (IODP Exp.) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.1	39
15	Mediterranean cold-water corals – an important regional carbonate factory?. <i>Depositional Record</i> , 2016, 2, 74-96.	1.7	39
16	Cold-water coral reefs thriving under hypoxia. <i>Coral Reefs</i> , 2020, 39, 853-859.	2.2	36
17	The Fate of Cold-Water Corals in a Changing World: A Geological Perspective. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	34
18	Coral mound development at the Campeche cold-water coral province, southern Gulf of Mexico: Implications of Antarctic Intermediate Water increased influence during interglacials. <i>Marine Geology</i> , 2017, 392, 53-65.	2.1	32

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19	Atlantic Water advection vs. glacier dynamics in northern Spitsbergen since early deglaciation. <i>Climate of the Past</i> , 2017, 13, 1717-1749.	3.4	31
20	Cold-water coral mounds in the southern Alboran Sea (western Mediterranean Sea): Internal waves as an important driver for mound formation since the last deglaciation. <i>Marine Geology</i> , 2019, 412, 1-18.	2.1	31
21	The giant oyster <i>Hytissa hyotis</i> from the northern Red Sea as a decadal-scale archive for seasonal environmental fluctuations in coral reef habitats. <i>Coral Reefs</i> , 2010, 29, 1061-1075.	2.2	30
22	Record of a tectonically-controlled regression captured by changes in carbonate skeletal associations on a structured island shelf (mid-Pleistocene, Rhodes, Greece). <i>Sedimentary Geology</i> , 2013, 283, 15-33.	2.1	28
23	Orbital- and millennial-scale Antarctic Circumpolar Current variability in Drake Passage over the past 140,000 years. <i>Nature Communications</i> , 2021, 12, 3948.	12.8	28
24	Contourite drift evolution and related coral growth in the eastern Gulf of Mexico and its gateways. <i>International Journal of Earth Sciences</i> , 2010, 99, 191-206.	1.8	27
25	Framework-Forming Scleractinian Cold-Water Corals Through Space and Time: A Late Quaternary North Atlantic Perspective. , 2017, , 699-732.		26
26	In situ growth and bioerosion rates of <i>Lophelia pertusa</i> in a Norwegian fjord and open shelf cold-water coral habitat. <i>PeerJ</i> , 2019, 7, e7586.	2.0	26
27	200,000 years of monsoonal history recorded on the lower Bengal Fan - strong response to insolation forcing. <i>Global and Planetary Change</i> , 2018, 166, 107-119.	3.5	25
28	Thousands of cold-water coral mounds along the Moroccan Atlantic continental margin: Distribution and morphometry. <i>Marine Geology</i> , 2019, 411, 51-61.	2.1	25
29	<i>Spondylus gaederopus</i> : A new Mediterranean climate archive – Based on high-resolution oxygen and carbon isotope analyses. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 291, 228-238.	2.3	24
30	Major environmental drivers determining life and death of cold-water corals through time. <i>PLoS Biology</i> , 2022, 20, e3001628.	5.6	24
31	<i>Solenosmilia variabilis</i> -bearing cold-water coral mounds off Brazil. <i>Coral Reefs</i> , 2020, 39, 69-83.	2.2	23
32	Long-term macrobioerosion in the Mediterranean Sea assessed by micro-computed tomography. <i>Biogeosciences</i> , 2016, 13, 3461-3474.	3.3	21
33	Deglacial upslope shift of NE Atlantic intermediate waters controlled slope erosion and cold-water coral mound formation (Porcupine Seabight, Irish margin). <i>Quaternary Science Reviews</i> , 2020, 237, 106310.	3.0	21
34	Growth, deposition, and facies of Pleistocene bathyal coral communities from Rhodes, Greece. , 2005, , 41-59.		21
35	Oxygen and stable carbon isotopes from a nautiloid from the middle Pennsylvanian (Late Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 signals versus diagenesis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 319-320, 1-15.	2.3	20
36	Testing the applicability of a benthic foraminiferal-based transfer function for the reconstruction of paleowater depth changes in Rhodes (Greece) during the early Pleistocene. <i>PLoS ONE</i> , 2017, 12, e0188447.	2.5	19

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37	Mid-Holocene extinction of cold-water corals on the Namibian shelf steered by the Benguela oxygen minimum zone. <i>Geology</i> , 2019, 47, 1185-1188.	4.4	19
38	Bacterial communities in temperate and polar coastal sands are seasonally stable. <i>ISME Communications</i> , 2021, 1, .	4.2	18
39	Sedimentation patterns on a cold-water coral mound off Mauritania. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 99, 307-315.	1.4	17
40	Exploring computed tomography in ichnological analysis of cores from modern marine sediments. <i>Scientific Reports</i> , 2020, 10, 201.	3.3	17
41	Framework-Forming Scleractinian Cold-Water Corals Through Space and Time: A Late Quaternary North Atlantic Perspective. , 2015, , 1-34.		17
42	Classical and new bioerosion trace fossils in Cretaceous belemnite guards characterised via micro-CT. <i>Fossil Record</i> , 2017, 20, 173-199.	1.4	17
43	The sediment composition and predictive mapping of facies on the Propeller Mound – A cold-water coral mound (Porcupine Seabight, NE Atlantic). <i>Continental Shelf Research</i> , 2010, 30, 1814-1829.	1.8	16
44	Wahlenbergfjord, eastern Svalbard: a glacier-surrounded fjord reflecting regional hydrographic variability during the Holocene?. <i>Boreas</i> , 2018, 47, 1003-1021.	2.4	15
45	Two new species of erect Bryozoa (Gymnolaemata: Cheilostomata) and the application of non-destructive imaging methods for quantitative taxonomy. <i>Zootaxa</i> , 2015, 4020, 81-100.	0.5	14
46	The Importance of Ecological Accommodation Space and Sediment Supply for Cold-Water Coral Mound Formation, a Case Study From the Western Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	13
47	Aragonite loss in a cold-water coral mound: mechanisms and implications. <i>Sedimentology</i> , 2011, 58, 670-690.	3.1	12
48	The Marine Fossil Record at Santa Maria Island (Azores). <i>Active Volcanoes of the World</i> , 2018, , 155-196.	1.4	12
49	Glacio-eustatic variations and sapropel events as main controls on the Middle Pleistocene-Holocene evolution of the Cabliers Coral Mound Province (W Mediterranean). <i>Quaternary Science Reviews</i> , 2021, 253, 106783.	3.0	12
50	<i>Madrepora oculata</i> forms large frameworks in hypoxic waters off Angola (SE Atlantic). <i>Scientific Reports</i> , 2021, 11, 15170.	3.3	12
51	Ambient occlusion – A powerful algorithm to segment shell and skeletal intrapores in computed tomography data. <i>Computers and Geosciences</i> , 2018, 115, 75-87.	4.2	11
52	Paleo-ecologic and neotectonic evolution of a marine depositional environment in SE Rhodes (Greece) during the early Pleistocene. <i>Quaternary Science Reviews</i> , 2019, 213, 120-132.	3.0	11
53	Post-LGM upward shift of the Mediterranean Outflow Water recorded in a contourite drift off NW Spain. <i>Marine Geology</i> , 2019, 407, 334-349.	2.1	11
54	Ungrazed salt marsh has well connected soil pores and less dense sediment compared with grazed salt marsh: a CT scanning study. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106987.	2.1	10

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55	Dating and Characterization of Polymorphic Transformation of Aragonite to Calcite in Pleistocene Bivalves from Rhodes (Greece) by Combined Shell Microstructure, Stable Isotope, and Electron Spin Resonance Study. <i>Journal of Sedimentary Research</i> , 2009, 79, 332-346.	1.6	9
56	Monsoonal forcing of cold-water coral growth off southeastern Brazil during the past 160 kyr. <i>Biogeosciences</i> , 2020, 17, 5883-5908.	3.3	7
57	Multiscale mechanical consequences of ocean acidification for cold-water corals. <i>Scientific Reports</i> , 2022, 12, 8052.	3.3	6
58	Linking sedimentary sulfur and iron biogeochemistry to growth patterns of a cold-water coral mound in the Porcupine Basin, S.W. Ireland (IODP Expedition 307). <i>Geobiology</i> , 2015, 13, 424-442.	2.4	5
59	A Diverse Vertebrate Ichnofauna from a Quaternary Eolian Oolite, Rhodes, Greece. , 2007, , .		4
60	10 Bathyal Corals Within the Aegean Sea and the Adjacent Hellenic Trench. <i>Coral Reefs of the World</i> , 2019, , 85-94.	0.7	1
61	Reef-building Pacific oysters record seasonal variations in water mass-properties of tidal basins from the Central Wadden Sea (North Sea). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 577, 110534.	2.3	1