Christian Betzler

List of Publications by Year
in descending order

110 papers	3,374 citations	136950 32 h-index	182427 51 g-index
119 all docs	119 docs citations	119 times ranked	2568 citing authors

#	Article	IF	Citations
1	Submarine landsliding in carbonate ooze along low-angle slopes (Inner Sea, Maldives). Marine and Petroleum Geology, 2022, 136, 105403.	3.3	9
2	Ostracod response to monsoon and OMZ variability over the past 1.2 Myr. Marine Micropaleontology, 2022, 174, 102105.	1.2	5
3	The Maldives, a key location of carbonate drifts. Marine Geology, 2022, 450, 106838.	2.1	5
4	Middle Miocene platform drowning in the Maldives associated with monsoon-related intensification of currents. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 567, 110275.	2.3	10
5	Sedimentology of ephemeral carbonate accumulations in siliciclastic-dominated passive margin settings, Pearl River Mouth Basin, South China Sea. Marine and Petroleum Geology, 2021, 130, 105122.	3.3	0
6	Late Miocene Onset of Tasman Leakage and Southern Hemisphere Supergyre Ushers in Nearâ€Modern Circulation. Geophysical Research Letters, 2021, 48, e2021GL095036.	4.0	7
7	Early development of carbonate platform (Xisha Islands) in the northern South China Sea. Marine Geology, 2021, 441, 106629.	2.1	13
8	Source shifts to periplatform deposits during the early to middle Miocene in response to climatic and oceanographic forcing, Maldives, western Indian Ocean. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 559, 109969.	2.3	10
9	The emergence of Miocene reefs in South China Sea and its resilient adaptability under varying eustatic, climatic and oceanographic conditions. Scientific Reports, 2020, 10, 7141.	3.3	17
10	Sequence stratigraphy of the Upper Jurassic mixed siliciclastic-carbonate deposits in the North German Basin (Lower Saxony, Hildesheimer Wald). International Journal of Earth Sciences, 2020, 109, 893-910.	1.8	1
11	First documentation of seismic stratigraphy and depositional signatures of Zhongsha atoll (Macclesfield Bank), South China Sea. Marine and Petroleum Geology, 2020, 117, 104349.	3.3	28
12	Facies model on the modern isolated carbonate platform in the Xisha Archipelago, South China Sea. Marine Geology, 2020, 425, 106203.	2.1	17
13	Lenticular-bedding-like bioturbation and the onshore recognition of carbonate drifts (Oligocene,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	4
14	Miocene start of modern carbonate platforms. Geology, 2019, 47, 771-775.	4.4	28
15	Magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform) reveal changes in the monsoon system. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 533, 109283.	2.3	3
16	Dataset of characteristic remanent magnetization and magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform). Data in Brief, 2019, 27, 104666.	1.0	1
17	Carbonate factory turnovers influenced by the monsoon (Xisha Islands, South China Sea). Journal of the Geological Society, 2019, 176, 885-897.	2.1	14
18	Wind variability over the northern Indian Ocean during the past 4 million years â€“ Insights from coarse aeolian dust (IODP exp. 359, site U1467, Maldives). Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 536, 109371.	2.3	11

#	Article	IF	Citations
19	Characteristics of modern carbonate contourite drifts. Sedimentology, 2019, 66, 1163-1191.	3.1	44
20	Carbonate drifts as marine archives of aeolian dust (Santaren Channel, Bahamas). Sedimentology, 2019, 66, 1386-1409.	3.1	4
21	Do drifts deposited adjacent to carbonate platforms record the signal of global carbon isotopic values?. Sedimentology, 2019, 66, 1410-1426.	3.1	6
22	Cyclic anoxia and organic rich carbonate sediments within a drowned carbonate platform linked to Antarctic ice volume changes: Late Oligocene-early Miocene Maldives. Earth and Planetary Science Letters, 2019, 521, 1-13.	4.4	19
23	Two-step closure of the Miocene Indian Ocean Gateway to the Mediterranean. Scientific Reports, 2019, 9, 8842.	3.3	89
24	Environmental evolution and geological significance of the Miocene carbonates of the Eratosthenes Seamount (ODP Leg 160). Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 530, 217-235.	2.3	20
25	Evolution of contourite systems in the late Cretaceous Chalk Sea along the Tornquist Zone. Sedimentology, 2019, 66, 1341-1360.	3.1	9
26	Controls on the Paleogene carbonate platform growth under greenhouse climate conditions (Offshore Indus Basin). Marine and Petroleum Geology, 2019, 101, 519-539.	3.3	16
27	Facies and sedimentology of a carbonate delta drift (Miocene, Maldives). Sedimentology, 2019, 66, 1243-1265.	3.1	21
28	Neogene palaeoceanographic changes recorded in a carbonate contourite drift (Santaren Channel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.1	17
29	The impact of eustatic sea-level fluctuations, temperature variations and nutrient-level changes since the Pliocene on tropical carbonate platform (Xisha Islands, South China Sea). Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 373-385.	2.3	23
30	The ichnology of carbonate drifts. Sedimentology, 2019, 66, 1427-1448.	3.1	21
31	Biostratigraphy of large benthic foraminifera from Hole U1468A (Maldives): a CT-scan taxonomic approach. Swiss Journal of Geosciences, 2018, 111, 523-536.	1.2	12
32	Ichnofabric logs for the characterization of the organic content in carbonates. Marine and Petroleum Geology, 2018, 95, 246-254.	3.3	12
33	Carbonate delta drift: A new sediment drift type. Marine Geology, 2018, 401, 98-111.	2.1	42
34	New insights in the development of synâ€depositional fractures in rimmed flatâ€topped carbonate platforms, Neogene carbonate complexes, Sorbas Basin, <scp>SE</scp> Spain. Basin Research, 2018, 30, 596-612.	2.7	9
35	Growth and demise of a Paleogene isolated carbonate platform of the Offshore Indus Basin, Pakistan: effects of regional and local controlling factors. International Journal of Earth Sciences, 2018, 107, 481-504.	1.8	21
36	Space-time continuum in seismic stratigraphy: Principles and norms. Interpretation, 2018, 6, T97-T108.	1.1	14

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37	Morphometric analysis of plunge pools and sediment wave fields along western Great Bahama Bank. Marine Geology, 2018, 397, 15-28.	2.1	21
38	Sedimentary dynamics and high-frequency sequence stratigraphy of the southwestern slope of Great Bahama Bank. Sedimentary Geology, 2018, 363, 96-117.	2.1	27
39	A two million year record of low-latitude aridity linked to continental weathering from the Maldives. Progress in Earth and Planetary Science, 2018, 5, .	3.0	26
40	The role of internal waves in the late Quaternary evolution of the Israeli continental slope. Marine Geology, 2018, 406, 177-192.	2.1	12
41	Geometry, internal architecture, and evolution of buried volcanic mounds in the northern South China Sea. Marine and Petroleum Geology, 2018, 97, 540-555.	3.3	14
42	Refinement of Miocene sea level and monsoon events from the sedimentary archive of the Maldives (Indian Ocean). Progress in Earth and Planetary Science, 2018, 5, .	3.0	74
43	Recent Arborescent Dendrophryid Foraminifera Found On Upper Pleistocene Cold-water Corals from the Inner Sea of the Maldives. Journal of Foraminiferal Research, 2018, 48, 53-61.	0.5	2
44	Facies variability in mixed carbonateâ€“siliciclastic platform slopes (Miocene). Facies, 2017, 63, 1.	1.4	1
45	Upper Pleistocene cold-water corals from the Inner Sea of the Maldives: taphonomy and environment. Facies, 2017, 63, 1.	1.4	16
46	Sequence stratigraphy of Upper Jurassic deposits in the North German Basin (Lower Saxony, SÃ¼ntel) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	13
47	The Wheeler diagram, flattening theory, and time. Marine and Petroleum Geology, 2017, 86, 1417-1430.	3.3	22
48	Sedimentary dynamics along carbonate slopes (Bahamas archipelago). Sedimentology, 2017, 64, 631-657.	3.1	40
49	A multi-proxy analysis of Late Quaternary ocean and climate variability for the Maldives, Inner Sea. Climate of the Past, 2017, 13, 1791-1813.	3.4	30
50	Lowstand wedges in carbonate platform slopes (Quaternary, Maldives, Indian Ocean). Depositional Record, 2016, 2, 196-207.	1.7	22
51	Submarine landforms related to glacier retreat in a shallow Antarctic fjord. Antarctic Science, 2016, 28, 475-486.	0.9	18
52	The climate-archive dune: Sedimentary record of annual wind intensity. Geology, 2016, 44, 711-714.	4.4	16
53	Seismo-stratigraphic evidences for deep base level control on middle to late Pleistocene drift evolution and mass wasting along southern Levant continental slope (Eastern Mediterranean). Marine and Petroleum Geology, 2016, 77, 526-534.	3.3	20
54	Amplitude of late Miocene sea-level fluctuations from karst development in reef-slope deposits (SE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	6

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55	The abrupt onset of the modern South Asian Monsoon winds. Scientific Reports, 2016, 6, 29838.	3.3	121
56	The leaking bucket of a Maldives atoll: Implications for the understanding of carbonate platform drowning. Marine Geology, 2015, 366, 16-33.	2.1	24
57	Periplatform drift: The combined result of contour current and off-bank transport along carbonate platforms. Geology, 2014, 42, 871-874.	4.4	70
58	High-Resolution Hydroacoustic Seafloor Classification of Sandy Environments in the German Wadden Sea. Journal of Coastal Research, 2014, 298, 1107-1117.	0.3	8
59	Reef slope geometries and facies distribution: controlling factors (Messinian, SE Spain). Facies, 2014, 60, 737-753.	1.4	26
60	Facies, stratigraphic architecture and high-resolution sequence stratigraphy of the Zechstein anhydrite (Werra Anhydrite) in Menslage area (Lower Saxony, N Germany). Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2014, 165, 331-344.	0.4	3
61	Seaâ€level and oceanâ€current control on carbonateâ€platform growth, <scp>M</scp>aldives, <scp>I</scp>ndian <scp>O</scp>cean. Basin Research, 2013, 25, 172-196.	2.7	76
62	Current and sea-level signals in periplatform ooze (Neogene, Maldives, Indian Ocean). Sedimentary Geology, 2013, 290, 126-137.	2.1	49
63	Large scale architecture of a stacked Holocene spit - the stratigraphy of northern Sylt (southern) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	4
64	Comparison of OSL ages from young dune sediments with a high-resolution independent age model. Quaternary Geochronology, 2012, 10, 16-23.	1.4	27
65	Palaeoenvironmental and stratigraphic significance of Pliocene rhodolith beds and coralline algal bioconstructions from the Carboneras Basin (SE Spain). Geodiversitas, 2012, 34, 115-136.	0.8	45
66	Relationship between Late Pleistocene seaâ€level variations, carbonate platform morphology and aragonite production (Maldives, Indian Ocean). Sedimentology, 2012, 59, 1640-1658.	3.1	30
67	Response of Mallorca shelf ecosystems to an early Holocene humid phase. Marine Micropaleontology, 2012, 90-91, 1-12.	1.2	3
68	Paleobathymetric history of the Western Mediterranean Sea shelf during the latest glacial period and the Holocene: Quantitative reconstructions based on foraminiferal transfer functions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 307, 324-338.	2.3	21
69	Late Pleistocene and Holocene coolâ€water carbonates of the Western Mediterranean Sea. Sedimentology, 2011, 58, 643-669.	3.1	29
70	Giant pockmarks in a carbonate platform (Maldives, Indian Ocean). Marine Geology, 2011, 289, 1-16.	2.1	39
71	Erosion of continental margins in the Western Mediterranean due to sea-level stagnancy during the Messinian Salinity Crisis. Geo-Marine Letters, 2011, 31, 51-64.	1.1	37
72	Submerged reef terraces of the Maldives (Indian Ocean). Geo-Marine Letters, 2010, 30, 511-515.	1.1	38

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73	Anatomy and sedimentary model of a hooked spit (Sylt, southern North Sea). Sedimentology, 2010, 57, 935-955.	3.1	35
74	Monsoon-induced partial carbonate platform drowning (Maldives, Indian Ocean). Geology, 2009, 37, 867-870.	4.4	86
75	Distribution of recent benthic foraminifera in shelf carbonate environments of the Western Mediterranean Sea. Marine Micropaleontology, 2009, 73, 207-225.	1.2	74
76	Coralline-algal assemblages of a Burdigalian platform slope: implications for carbonate platform reconstruction (northern Sardinia, western Mediterranean Sea). Facies, 2009, 55, 375-386.	1.4	40
77	Densely packed concentrations of sessile barnacles (Cirripedia: Sessilia) from the Early Pliocene of SE Spain. Facies, 2008, 54, 193-206.	1.4	21
78	Cyclicity in Pleistocene upper-slope cool-water carbonates: Unravelling sedimentary dynamics in deep-water sediments, Great Australian Bight, Odp Leg 182, Site 1131A. Sedimentary Geology, 2008, 205, 40-52.	2.1	7
79	The sedimentary architecture of a Holocene barrier spit (Sylt, German Bight): Swash-bar accretion and storm erosion. Sedimentary Geology, 2008, 206, 1-16.	2.1	71
80	Facies and stratigraphic architecture of the Korallenoolith Formation in North Germany (Lauensteiner Pass, Ith Mountains). Sedimentary Geology, 2007, 194, 61-75.	2.1	24
81	Integrating outcrop data and forward computer modelling to unravel the development of a Messinian carbonate platform in SE Spain (Sorbas Basin). Sedimentology, 2007, 54, 423-441.	3.1	24
82	Sub-Milankovitch cycles in periplatform carbonates from the early Pliocene Great Bahama Bank. Paleoceanography, 2006, 21, n/a-n/a.	3.0	29
83	Closure of a seaway: stratigraphic record and facies (Guadix basin, Southern Spain). International Journal of Earth Sciences, 2006, 95, 903-910.	1.8	79
84	Models of temperate carbonate deposition in Neogene basins in SE Spain: a synthesis. Geological Society Special Publication, 2006, 255, 121-135.	1.3	28
85	The use of paleoceanographic proxies in carbonate periplatform settingsâ€"opportunities and pitfalls. Sedimentary Geology, 2005, 175, 131-152.	2.1	28
86	Contrasting models of temperate carbonate sedimentation in a small Mediterranean embayment: the Pliocene Carboneras Basin, SE Spain. Journal of the Geological Society, 2004, 161, 387-399.	2.1	56
87	Genetic sequence stratigraphy of cool water slope carbonates (Pleistocene Eucla Shelf, southern) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	16
88	Late Neogeneâ€"Recent uplift of the Cabo de Gata volcanic province, AlmerÄ±Ìa, SE Spain. Geomorphology, 2003, 50, 27-42.	2.6	47
89	Bahamian carbonate platform development in response to sea-level changes and the closure of the Isthmus of Panama. International Journal of Earth Sciences, 2002, 91, 482-489.	1.8	28
90	The Messinian Guadalhorce corridor: the last northern, Atlantic-Mediterranean gateway. Terra Nova, 2001, 13, 418-424.	2.1	113

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91	Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. Geology, 2000, 28, 647.	4.4	55
92	Synchroneity of major Late Neogene sea level fluctuations and paleoceanographically controlled changes as recorded by two carbonate platforms. Paleoceanography, 2000, 15, 722-730.	3.0	33
93	Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. Geology, 2000, 28, 647-650.	4.4	7
94	Sedimentary patterns and geometries of the Bahamian outer carbonate ramp (Miocene-Lower Pliocene,) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	106
95	Microtaphofacies of a Warm-Temperate Carbonate Ramp (Uppermost Tortonian/Lowermost Messinian,) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	63
96	First record ofBorelis melo andDendritina sp. in the Messinian of SE Spain (Cabo de Gata, Province) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	14
97	Ecological controls on geometries of carbonate platforms: Miocene/Pliocene shallow-water microfaunas and carbonate biofacies from the Queensland Plateau (NE Australia). Facies, 1997, 37, 147-166.	1.4	24
98	Sedimentary model and high-frequency cyclicity in a Mediterranean, shallow-shelf, temperate-carbonate environment (uppermost Miocene, Agua Amarga Basin, Southern Spain). Sedimentology, 1996, 43, 263-277.	3.1	102
99	Role of climate in partial drowning of the Queensland Plateau carbonate platform (northeastern) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.1	43
100	Controls on modern carbonate sedimentation on warm-temperate to arctic coasts, shelves and seamounts in the Northern Hemisphere: Implications for fossil counterparts. Facies, 1995, 32, 71-108.	1.4	95
101	Dip analysis as a tool for estimating regional kinematics in extensional terranes: Discussion. Journal of Structural Geology, 1995, 17, 751-754.	2.3	1
102	Geology of the Malawi Rift: kinematic and tectonosedimentary background to the Chiwondo Beds, northern Malawi. Journal of Human Evolution, 1995, 28, 7-21.	2.6	55
103	Sedimentology of the Malawi Rift: Facies and stratigraphy of the Chiwondo Beds, northern Malawi. Journal of Human Evolution, 1995, 28, 23-35.	2.6	40
104	Archaeology of the Malawi Rift: The search continues for Early Stone Age occurrences in the Chiwondo Beds, northern Malawi. Journal of Human Evolution, 1995, 28, 115-116.	2.6	12
105	Oldest Homo and Pliocene biogeography of the Malawi Rift. Nature, 1993, 365, 833-836.	27.8	150
106	Normal vs. strike-slip faulting during rift development in East Africa: The Malawi rift. Geology, 1992, 20, 1015.	4.4	105
107	Depositional history of the Celebes Sea from ODP Sites 767 and 770. Geophysical Research Letters, 1990, 17, 2061-2064.	4.0	7
108	Depositional history of the Sulu Sea from ODP Sites 768, 769 AND 771. Geophysical Research Letters, 1990, 17, 2065-2068.	4.0	14

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109	A carbonate complex in an active foreland basin: the Paleogene of the Sierra de Port del Comte and the Sierra del Cadi (Southern Pyrenees). Geodinamica Acta, 1989, 3, 207-220.	2.2	7
110	Current and sea level control the demise of shallow carbonate production on a tropical bank (Saya) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	6