

Christian Betzler

List of Publications by Year in descending order

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110
papers

3,374
citations

136950

32
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182427

51
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119
all docs

119
docs citations

119
times ranked

2568
citing authors

#	ARTICLE	IF	CITATIONS
1	Oldest Homo and Pliocene biogeography of the Malawi Rift. <i>Nature</i> , 1993, 365, 833-836.	27.8	150
2	The abrupt onset of the modern South Asian Monsoon winds. <i>Scientific Reports</i> , 2016, 6, 29838.	3.3	121
3	The Messinian Guadalhorce corridor: the last northern, Atlantic-Mediterranean gateway. <i>Terra Nova</i> , 2001, 13, 418-424.	2.1	113
4	Sedimentary patterns and geometries of the Bahamian outer carbonate ramp (Miocene-Lower Pliocene,) Tj ETQq0 Q 0 rgBT /Overlock 10	3.1	106
5	Normal vs. strike-slip faulting during rift development in East Africa: The Malawi rift. <i>Geology</i> , 1992, 20, 1015.	4.4	105
6	Sedimentary model and high-frequency cyclicity in a Mediterranean, shallow-shelf, temperate-carbonate environment (uppermost Miocene, Agua Amarga Basin, Southern Spain). <i>Sedimentology</i> , 1996, 43, 263-277.	3.1	102
7	Controls on modern carbonate sedimentation on warm-temperate to arctic coasts, shelves and seamounts in the Northern Hemisphere: Implications for fossil counterparts. <i>Facies</i> , 1995, 32, 71-108.	1.4	95
8	Two-step closure of the Miocene Indian Ocean Gateway to the Mediterranean. <i>Scientific Reports</i> , 2019, 9, 8842.	3.3	89
9	Monsoon-induced partial carbonate platform drowning (Maldives, Indian Ocean). <i>Geology</i> , 2009, 37, 867-870.	4.4	86
10	Closure of a seaway: stratigraphic record and facies (Guadix basin, Southern Spain). <i>International Journal of Earth Sciences</i> , 2006, 95, 903-910.	1.8	79
11	Sea-level and ocean-current control on carbonate platform growth, <sc>M</sc>aldives, <sc>I</sc>ndian <sc>O</sc>cean. <i>Basin Research</i> , 2013, 25, 172-196.	2.7	76
12	Distribution of recent benthic foraminifera in shelf carbonate environments of the Western Mediterranean Sea. <i>Marine Micropaleontology</i> , 2009, 73, 207-225.	1.2	74
13	Refinement of Miocene sea level and monsoon events from the sedimentary archive of the Maldives (Indian Ocean). <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	74
14	The sedimentary architecture of a Holocene barrier spit (Sylt, German Bight): Swash-bar accretion and storm erosion. <i>Sedimentary Geology</i> , 2008, 206, 1-16.	2.1	71
15	Periplatform drift: The combined result of contour current and off-bank transport along carbonate platforms. <i>Geology</i> , 2014, 42, 871-874.	4.4	70
16	Microtaphofacies of a Warm-Temperate Carbonate Ramp (Uppermost Tortonian/Lowermost Messinian,) Tj ETQq0 Q 0 rgBT /Overlock 10	1.3	63
17	Contrasting models of temperate carbonate sedimentation in a small Mediterranean embayment: the Pliocene Carboneras Basin, SE Spain. <i>Journal of the Geological Society</i> , 2004, 161, 387-399.	2.1	56
18	Geology of the Malawi Rift: kinematic and tectonosedimentary background to the Chiwondo Beds, northern Malawi. <i>Journal of Human Evolution</i> , 1995, 28, 7-21.	2.6	55

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19	Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. <i>Geology</i> , 2000, 28, 647.	4.4	55
20	Current and sea-level signals in periplatform ooze (Neogene, Maldives, Indian Ocean). <i>Sedimentary Geology</i> , 2013, 290, 126-137.	2.1	49
21	Late Neogene "Recent uplift of the Cabo de Gata volcanic province, Almería, SE Spain. <i>Geomorphology</i> , 2003, 50, 27-42.	2.6	47
22	Palaeoenvironmental and stratigraphic significance of Pliocene rhodolith beds and coralline algal bioconstructions from the Carboneras Basin (SE Spain). <i>Geodiversitas</i> , 2012, 34, 115-136.	0.8	45
23	Characteristics of modern carbonate contourite drifts. <i>Sedimentology</i> , 2019, 66, 1163-1191.	3.1	44
24	Role of climate in partial drowning of the Queensland Plateau carbonate platform (northeastern) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	2.1	43
25	Carbonate delta drift: A new sediment drift type. <i>Marine Geology</i> , 2018, 401, 98-111.	2.1	42
26	Sedimentology of the Malawi Rift: Facies and stratigraphy of the Chiwondo Beds, northern Malawi. <i>Journal of Human Evolution</i> , 1995, 28, 23-35.	2.6	40
27	Coralline-algal assemblages of a Burdigalian platform slope: implications for carbonate platform reconstruction (northern Sardinia, western Mediterranean Sea). <i>Facies</i> , 2009, 55, 375-386.	1.4	40
28	Sedimentary dynamics along carbonate slopes (Bahamas archipelago). <i>Sedimentology</i> , 2017, 64, 631-657.	3.1	40
29	Giant pockmarks in a carbonate platform (Maldives, Indian Ocean). <i>Marine Geology</i> , 2011, 289, 1-16.	2.1	39
30	Submerged reef terraces of the Maldives (Indian Ocean). <i>Geo-Marine Letters</i> , 2010, 30, 511-515.	1.1	38
31	Erosion of continental margins in the Western Mediterranean due to sea-level stagnancy during the Messinian Salinity Crisis. <i>Geo-Marine Letters</i> , 2011, 31, 51-64.	1.1	37
32	Anatomy and sedimentary model of a hooked spit (Sylt, southern North Sea). <i>Sedimentology</i> , 2010, 57, 935-955.	3.1	35
33	Synchronicity of major Late Neogene sea level fluctuations and paleoceanographically controlled changes as recorded by two carbonate platforms. <i>Paleoceanography</i> , 2000, 15, 722-730.	3.0	33
34	Relationship between Late Pleistocene sea-level variations, carbonate platform morphology and aragonite production (Maldives, Indian Ocean). <i>Sedimentology</i> , 2012, 59, 1640-1658.	3.1	30
35	A multi-proxy analysis of Late Quaternary ocean and climate variability for the Maldives, Inner Sea. <i>Climate of the Past</i> , 2017, 13, 1791-1813.	3.4	30
36	Sub-Milankovitch cycles in periplatform carbonates from the early Pliocene Great Bahama Bank. <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	29

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37	Late Pleistocene and Holocene cool-water carbonates of the Western Mediterranean Sea. <i>Sedimentology</i> , 2011, 58, 643-669.	3.1	29
38	Bahamian carbonate platform development in response to sea-level changes and the closure of the Isthmus of Panama. <i>International Journal of Earth Sciences</i> , 2002, 91, 482-489.	1.8	28
39	The use of paleoceanographic proxies in carbonate periplatform settings—opportunities and pitfalls. <i>Sedimentary Geology</i> , 2005, 175, 131-152.	2.1	28
40	Models of temperate carbonate deposition in Neogene basins in SE Spain: a synthesis. <i>Geological Society Special Publication</i> , 2006, 255, 121-135.	1.3	28
41	Miocene start of modern carbonate platforms. <i>Geology</i> , 2019, 47, 771-775.	4.4	28
42	First documentation of seismic stratigraphy and depositional signatures of Zhongsha atoll (Macclesfield Bank), South China Sea. <i>Marine and Petroleum Geology</i> , 2020, 117, 104349.	3.3	28
43	Comparison of OSL ages from young dune sediments with a high-resolution independent age model. <i>Quaternary Geochronology</i> , 2012, 10, 16-23.	1.4	27
44	Sedimentary dynamics and high-frequency sequence stratigraphy of the southwestern slope of Great Bahama Bank. <i>Sedimentary Geology</i> , 2018, 363, 96-117.	2.1	27
45	Reef slope geometries and facies distribution: controlling factors (Messinian, SE Spain). <i>Facies</i> , 2014, 60, 737-753.	1.4	26
46	A two million year record of low-latitude aridity linked to continental weathering from the Maldives. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	26
47	Ecological controls on geometries of carbonate platforms: Miocene/Pliocene shallow-water microfaunas and carbonate biofacies from the Queensland Plateau (NE Australia). <i>Facies</i> , 1997, 37, 147-166.	1.4	24
48	Facies and stratigraphic architecture of the Korallenoolith Formation in North Germany (Lauensteiner Pass, Ith Mountains). <i>Sedimentary Geology</i> , 2007, 194, 61-75.	2.1	24
49	Integrating outcrop data and forward computer modelling to unravel the development of a Messinian carbonate platform in SE Spain (Sorbas Basin). <i>Sedimentology</i> , 2007, 54, 423-441.	3.1	24
50	The leaking bucket of a Maldives atoll: Implications for the understanding of carbonate platform drowning. <i>Marine Geology</i> , 2015, 366, 16-33.	2.1	24
51	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). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 514, 373-385.	2.3	23
52	Lowstand wedges in carbonate platform slopes (Quaternary, Maldives, Indian Ocean). <i>Depositional Record</i> , 2016, 2, 196-207.	1.7	22
53	The Wheeler diagram, flattening theory, and time. <i>Marine and Petroleum Geology</i> , 2017, 86, 1417-1430.	3.3	22
54	Densely packed concentrations of sessile barnacles (Cirripedia: Sessilia) from the Early Pliocene of SE Spain. <i>Facies</i> , 2008, 54, 193-206.	1.4	21

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55	Paleobathymetric history of the Western Mediterranean Sea shelf during the latest glacial period and the Holocene: Quantitative reconstructions based on foraminiferal transfer functions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 307, 324-338.	2.3	21
56	Growth and demise of a Paleogene isolated carbonate platform of the Offshore Indus Basin, Pakistan: effects of regional and local controlling factors. <i>International Journal of Earth Sciences</i> , 2018, 107, 481-504.	1.8	21
57	Morphometric analysis of plunge pools and sediment wave fields along western Great Bahama Bank. <i>Marine Geology</i> , 2018, 397, 15-28.	2.1	21
58	Facies and sedimentology of a carbonate delta drift (Miocene, Maldives). <i>Sedimentology</i> , 2019, 66, 1243-1265.	3.1	21
59	The ichnology of carbonate drifts. <i>Sedimentology</i> , 2019, 66, 1427-1448.	3.1	21
60	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). <i>Marine and Petroleum Geology</i> , 2016, 77, 526-534.	3.3	20
61	Environmental evolution and geological significance of the Miocene carbonates of the Eratosthenes Seamount (ODP Leg 160). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 530, 217-235.	2.3	20
62	Cyclic anoxia and organic rich carbonate sediments within a drowned carbonate platform linked to Antarctic ice volume changes: Late Oligocene-early Miocene Maldives. <i>Earth and Planetary Science Letters</i> , 2019, 521, 1-13.	4.4	19
63	Submarine landforms related to glacier retreat in a shallow Antarctic fjord. <i>Antarctic Science</i> , 2016, 28, 475-486.	0.9	18
64	Neogene palaeoceanographic changes recorded in a carbonate contourite drift (Santaren Channel). <i>Tectonophysics</i> , 2017, 687, 10-17.	3.1	17
65	The emergence of Miocene reefs in South China Sea and its resilient adaptability under varying eustatic, climatic and oceanographic conditions. <i>Scientific Reports</i> , 2020, 10, 7141.	3.3	17
66	Facies model on the modern isolated carbonate platform in the Xisha Archipelago, South China Sea. <i>Marine Geology</i> , 2020, 425, 106203.	2.1	17
67	Genetic sequence stratigraphy of cool water slope carbonates (Pleistocene Eula Shelf, southern). <i>Tectonophysics</i> , 2017, 687, 10-17.	1.8	16
68	The climate-archive dune: Sedimentary record of annual wind intensity. <i>Geology</i> , 2016, 44, 711-714.	4.4	16
69	Upper Pleistocene cold-water corals from the Inner Sea of the Maldives: taphonomy and environment. <i>Facies</i> , 2017, 63, 1.	1.4	16
70	Controls on the Paleogene carbonate platform growth under greenhouse climate conditions (Offshore Indus Basin). <i>Marine and Petroleum Geology</i> , 2019, 101, 519-539.	3.3	16
71	Depositional history of the Sulu Sea from ODP Sites 768, 769 AND 771. <i>Geophysical Research Letters</i> , 1990, 17, 2065-2068.	4.0	14
72	First record of <i>Borelis melo</i> and <i>Dendritina</i> sp. in the Messinian of SE Spain (Cabo de Gata, Province). <i>Tectonophysics</i> , 2017, 687, 10-17.	1.6	14

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73	Space-time continuum in seismic stratigraphy: Principles and norms. Interpretation, 2018, 6, T97-T108.	1.1	14
74	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
75	Carbonate factory turnovers influenced by the monsoon (Xisha Islands, South China Sea). Journal of the Geological Society, 2019, 176, 885-897.	2.1	14
76	Sequence stratigraphy of Upper Jurassic deposits in the North German Basin (Lower Saxony, SÄ¼ntel) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	13
77	Early development of carbonate platform (Xisha Islands) in the northern South China Sea. Marine Geology, 2021, 441, 106629.	2.1	13
78	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
79	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
80	Ichnofabric logs for the characterization of the organic content in carbonates. Marine and Petroleum Geology, 2018, 95, 246-254.	3.3	12
81	The role of internal waves in the late Quaternary evolution of the Israeli continental slope. Marine Geology, 2018, 406, 177-192.	2.1	12
82	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
83	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
84	Middle Miocene platform drowning in the Maldives associated with monsoon-related intensification of currents. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 567, 110275.	2.3	10
85	New insights in the development of synâ€depositional fractures in rimmed flatâ€topped carbonate platforms, Neogene carbonate complexes, Sorbas Basin, <sc>SE</sc> Spain. Basin Research, 2018, 30, 596-612.	2.7	9
86	Evolution of contourite systems in the late Cretaceous Chalk Sea along the Tornquist Zone. Sedimentology, 2019, 66, 1341-1360.	3.1	9
87	Submarine landsliding in carbonate ooze along low-angle slopes (Inner Sea, Maldives). Marine and Petroleum Geology, 2022, 136, 105403.	3.3	9
88	High-Resolution Hydroacoustic Seafloor Classification of Sandy Environments in the German Wadden Sea. Journal of Coastal Research, 2014, 298, 1107-1117.	0.3	8
89	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
90	Depositional history of the Celebes Sea from ODP Sites 767 and 770. Geophysical Research Letters, 1990, 17, 2061-2064.	4.0	7

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91	Cyclicity in Pleistocene upper-slope cool-water carbonates: Unravelling sedimentary dynamics in deep-water sediments, Great Australian Bight, ODP Leg 182, Site 1131A. <i>Sedimentary Geology</i> , 2008, 205, 40-52.	2.1	7
92	Late Miocene Onset of Tasman Leakage and Southern Hemisphere Supergyre Ushers in Near-Modern Circulation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095036.	4.0	7
93	Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. <i>Geology</i> , 2000, 28, 647-650.	4.4	7
94	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
95	Do drifts deposited adjacent to carbonate platforms record the signal of global carbon isotopic values?. <i>Sedimentology</i> , 2019, 66, 1410-1426.	3.1	6
96	Current and sea level control the demise of shallow carbonate production on a tropical bank (Saya) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.4	6
97	Ostracod response to monsoon and OMZ variability over the past 1.2 Myr. <i>Marine Micropaleontology</i> , 2022, 174, 102105.	1.2	5
98	The Maldives, a key location of carbonate drifts. <i>Marine Geology</i> , 2022, 450, 106838.	2.1	5
99	Large scale architecture of a stacked Holocene spit - the stratigraphy of northern Sylt (southern Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	4
100	Carbonate drifts as marine archives of aeolian dust (Santaren Channel, Bahamas). <i>Sedimentology</i> , 2019, 66, 1386-1409.	3.1	4
101	Lenticular-bedding-like bioturbation and the onshore recognition of carbonate drifts (Oligocene,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	4
102	Response of Mallorca shelf ecosystems to an early Holocene humid phase. <i>Marine Micropaleontology</i> , 2012, 90-91, 1-12.	1.2	3
103	Facies, stratigraphic architecture and high-resolution sequence stratigraphy of the Zechstein anhydrite (Werra Anhydrite) in Menslage area (Lower Saxony, N Germany). <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2014, 165, 331-344.	0.4	3
104	Magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform) reveal changes in the monsoon system. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 533, 109283.	2.3	3
105	Recent Arborescent Dendrophryid Foraminifera Found On Upper Pleistocene Cold-water Corals from the Inner Sea of the Maldives. <i>Journal of Foraminiferal Research</i> , 2018, 48, 53-61.	0.5	2
106	Dip analysis as a tool for estimating regional kinematics in extensional terranes: Discussion. <i>Journal of Structural Geology</i> , 1995, 17, 751-754.	2.3	1
107	Facies variability in mixed carbonate-siliciclastic platform slopes (Miocene). <i>Facies</i> , 2017, 63, 1.	1.4	1
108	Dataset of characteristic remanent magnetization and magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform). <i>Data in Brief</i> , 2019, 27, 104666.	1.0	1

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109	Sequence stratigraphy of the Upper Jurassic mixed siliciclastic-carbonate deposits in the North German Basin (Lower Saxony, Hildesheimer Wald). <i>International Journal of Earth Sciences</i> , 2020, 109, 893-910.	1.8	1
110	Sedimentology of ephemeral carbonate accumulations in siliciclastic-dominated passive margin settings, Pearl River Mouth Basin, South China Sea. <i>Marine and Petroleum Geology</i> , 2021, 130, 105122.	3.3	0