

Christian Huebscher

List of Publications by Year in descending order

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130
papers

3,948
citations

136740

32
h-index

155451

55
g-index

153
all docs

153
docs citations

153
times ranked

3303
citing authors

#	ARTICLE	IF	CITATIONS
1	The Messinian Salinity Crisis: Past and future of a great challenge for marine sciences. <i>Marine Geology</i> , 2014, 352, 25-58.	0.9	436
2	Active growth of the Bengal Fan during sea-level rise and highstand. <i>Geology</i> , 1997, 25, 315.	2.0	204
3	The submarine delta of the Gangesâ€“Brahmaputra: cyclone-dominated sedimentation patterns. <i>Marine Geology</i> , 1998, 149, 133-154.	0.9	138
4	The Levantine Basinâ€™s crustal structure and origin. <i>Tectonophysics</i> , 2006, 418, 167-188.	0.9	102
5	The structural evolution of the Messinian evaporites in the Levantine Basin. <i>Marine Geology</i> , 2006, 230, 249-273.	0.9	96
6	The Maldives, a giant isolated carbonate platform dominated by bottom currents. <i>Marine and Petroleum Geology</i> , 2013, 43, 326-340.	1.5	87
7	Monsoon-induced partial carbonate platform drowning (Maldives, Indian Ocean). <i>Geology</i> , 2009, 37, 867-870.	2.0	86
8	The youngest channel-levee system of the Bengal Fan: results from digital sediment echosounder data. <i>Marine Geology</i> , 1997, 141, 125-145.	0.9	84
9	Salt tectonics off northern Israel. <i>Marine and Petroleum Geology</i> , 2005, 22, 597-611.	1.5	80
10	Crustal-scale pop-up structure in cratonic lithosphere: DOBRE deep seismic reflection study of the Donbas fold belt, Ukraine. <i>Geology</i> , 2003, 31, 733.	2.0	78
11	Ridge subduction at an erosive margin: The collision zone of the Nazca Ridge in southern Peru. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	78
12	Sea-level and ocean-current control on carbonate platform growth, Maldives, Indian Ocean. <i>Basin Research</i> , 2013, 25, 172-196.	1.3	76
13	Periplatform drift: The combined result of contour current and off-bank transport along carbonate platforms. <i>Geology</i> , 2014, 42, 871-874.	2.0	70
14	Frequent channel avulsions within the active channelâ€™levee system of the middle Bengal Fanâ€™an exceptional channelâ€™levee development derived from Parasound and Hydrosweep data. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 1023-1045.	0.6	62
15	The architecture and evolution of the Middle Bengal Fan in vicinity of the active channelâ€™levee system imaged by high-resolution seismic data. <i>Marine and Petroleum Geology</i> , 2005, 22, 637-656.	1.5	62
16	Tectonic isolation of the Levant basin offshore Galilee-Lebanon â€™ effects of the Dead Sea fault plate boundary on the Levant continental margin, eastern Mediterranean. <i>Journal of Structural Geology</i> , 2006, 28, 2049-2066.	1.0	60
17	Post-eruptive flooding of Santorini caldera and implications for tsunami generation. <i>Nature Communications</i> , 2016, 7, 13332.	5.8	58
18	The link between bottom-simulating reflections and methane flux into the gas hydrate stability zone â€™ new evidence from Lima Basin, Peru Margin. <i>Earth and Planetary Science Letters</i> , 2001, 185, 343-354.	1.8	54

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19	Crustal structure of the Peruvian continental margin from wide-angle seismic studies. <i>Geophysical Journal International</i> , 2004, 159, 749-764.	1.0	54
20	Morpho-structural evolution of a volcanic island developed inside an active oceanic rift: S. Miguel Island (Terceira Rift, Azores). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 90-106.	0.8	54
21	Oolitic beach barriers of the last Glacial sea-level lowstand at the outer Bengal shelf. <i>Marine Geology</i> , 1999, 157, 7-18.	0.9	53
22	Current and sea-level signals in periplatform ooze (Neogene, Maldives, Indian Ocean). <i>Sedimentary Geology</i> , 2013, 290, 126-137.	1.0	49
23	Basin evolution of the northern part of the Northeast German Basin – Insights from a 3D structural model. <i>Tectonophysics</i> , 2007, 437, 1-16.	0.9	47
24	Volcano-tectonic evolution of the polygenetic Kolumbo submarine volcano/Santorini (Aegean Sea). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 291, 101-111.	0.8	47
25	Expanding extension, subsidence and lateral segmentation within the Santorini - Amorgos basins during Quaternary: Implications for the 1956 Amorgos events, central - south Aegean Sea, Greece. <i>Tectonophysics</i> , 2018, 722, 138-153.	0.9	43
26	Seismic study of pull-apart-induced sedimentation and deformation in the Northern Gulf of Aqaba (Elat). <i>Tectonophysics</i> , 2005, 396, 59-79.	0.9	42
27	Fault-controlled evaporite deformation in the Levant Basin, Eastern Mediterranean. <i>Marine Geology</i> , 2014, 354, 53-68.	0.9	42
28	Variation of the present-day stress field within the North German Basin – insights from thin shell FE modeling based on residual GPS velocities. <i>Tectonophysics</i> , 2005, 397, 55-72.	0.9	40
29	Giant pockmarks in a carbonate platform (Maldives, Indian Ocean). <i>Marine Geology</i> , 2011, 289, 1-16.	0.9	39
30	Submerged reef terraces of the Maldives (Indian Ocean). <i>Geo-Marine Letters</i> , 2010, 30, 511-515.	0.5	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.	0.5	37
32	Crustal structure of the Eratosthenes Seamount, Cyprus and S. Turkey from an amphibian wide-angle seismic profile. <i>Tectonophysics</i> , 2017, 700-701, 32-59.	0.9	37
33	Forced regression systems tracts on the Bengal Shelf. <i>Marine Geology</i> , 2005, 219, 207-218.	0.9	34
34	Evidence for a seafloor rupture of the Carboneras Fault Zone (southern Spain): Relation to the 1522 Almer�a earthquake?. <i>Journal of Seismology</i> , 2007, 11, 15-26.	0.6	34
35	Tectono-stratigraphic evolution through successive extensional events of the Anydros Basin, hosting Kolumbo volcanic field at the Aegean Sea, Greece. <i>Tectonophysics</i> , 2016, 671, 202-217.	0.9	33
36	Active faulting and neotectonics in the Baelo Claudia area, Campo de Gibraltar (southern Spain). <i>Tectonophysics</i> , 2012, 554-557, 127-142.	0.9	32

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37	Alpine tectonics north of the Alps. , 0, , 1233-1285.		32
38	The tectonic evolution of the southeastern Terceira Rift/São Miguel region (Azores). Tectonophysics, 2015, 654, 75-95.	0.9	31
39	Global look at salt giants. Eos, 2007, 88, 177-179.	0.1	29
40	Late Pleistocene and Holocene cool-water carbonates of the Western Mediterranean Sea. Sedimentology, 2011, 58, 643-669.	1.6	29
41	Late Cretaceous to recent tectonic evolution of the North German Basin and the transition zone to the Baltic Shield/southwest Baltic Sea. Tectonophysics, 2017, 708, 28-55.	0.9	29
42	Imaging of complex basin structures with the common reflection surface (CRS) stack method. Geophysical Journal International, 2004, 157, 1206-1216.	1.0	28
43	Deformed Messinian markers in the Cyprus Arc: tectonic and/or Messinian Salinity Crisis indicators?. Basin Research, 2011, 23, 146-170.	1.3	28
44	Salt tectonics and mud volcanism in the Latakia and Cyprus Basins, eastern Mediterranean. Tectonophysics, 2009, 470, 173-182.	0.9	27
45	Contourite drift evolution and related coral growth in the eastern Gulf of Mexico and its gateways. International Journal of Earth Sciences, 2010, 99, 191-206.	0.9	27
46	Southwest Mallorca Island: A cool-water carbonate margin dominated by drift deposition associated with giant mass wasting. Marine Geology, 2012, 307-310, 73-87.	0.9	27
47	Submarine explosive volcanism in the southeastern Terceira Rift/São Miguel region (Azores). Journal of Volcanology and Geothermal Research, 2015, 303, 79-91.	0.8	27
48	Crustal seismic velocity structure from Eratosthenes Seamount to Hecataeus Rise across the Cyprus Arc, eastern Mediterranean. Geophysical Journal International, 2015, 200, 933-951.	1.0	27
49	Building an interaction design pattern language: A case study. Computers in Human Behavior, 2010, 26, 452-463.	5.1	25
50	Seismic evidence for fluid escape from Mesozoic cuesta type topography in the Skagerrak. Marine and Petroleum Geology, 2006, 23, 17-28.	1.5	23
51	Ice-load induced tectonics controlled tunnel valley evolution – instances from the southwestern Baltic Sea. Quaternary Science Reviews, 2014, 97, 121-135.	1.4	23
52	The Holocene Great Belt connection to the southern Kattegat, Scandinavia: Ancylus Lake drainage and Early Littorina Sea transgression. Boreas, 2017, 46, 53-68.	1.2	23
53	Deformation of a young salt giant: regional topography of the Mesozoic evaporites. Basin Research, 2017, 29, 352-369.	1.3	23
54	Seismic velocities from the Yaquina forearc basin off Peru: evidence for free gas within the gas hydrate stability zone. International Journal of Earth Sciences, 2005, 94, 420-432.	0.9	22

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55	Conrad Deep, Northern Red Sea: Development of an early stage ocean deep within the axial depression. <i>Tectonophysics</i> , 2005, 411, 19-40.	0.9	22
56	Structure and evolution of the Northeastern German Basin and its transition onto the Baltic Shield. <i>Marine and Petroleum Geology</i> , 2010, 27, 923-938.	1.5	22
57	Lowstand wedges in carbonate platform slopes (Quaternary, Maldives, Indian Ocean). <i>Depositional Record</i> , 2016, 2, 196-207.	0.8	22
58	Seismic markers of the Messinian salinity crisis in the deep Ionian Basin. <i>Basin Research</i> , 2020, 32, 716-738.	1.3	22
59	Record of the Messinian Salinity Crisis in the SW Mallorca area (Balearic Promontory, Spain). <i>Marine Geology</i> , 2014, 357, 304-320.	0.9	21
60	Seismic reflectivity anomalies in sediments at the eastern flank of the Juan de Fuca Ridge: Evidence for fluid migration?. <i>Journal of Geophysical Research</i> , 1999, 104, 15351-15364.	3.3	20
61	The Mesozoicâ€Cenozoic structural framework of the Bay of Kiel area, western Baltic Sea. <i>International Journal of Earth Sciences</i> , 2005, 94, 1070-1082.	0.9	20
62	Triassic to recent tectonic evolution of a crestal collapse graben above a salt-cored anticline in the GlÃ¼ckstadt Graben/North German Basin. <i>Tectonophysics</i> , 2016, 680, 50-66.	0.9	20
63	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.	1.5	20
64	Evolution of a volcanic island on the shoulder of an oceanic rift and geodynamic implications: S. Jorge Island on the Terceira Rift, Azores Triple Junction. <i>Tectonophysics</i> , 2018, 738-739, 41-50.	0.9	20
65	Title is missing!. <i>Marine Geophysical Researches</i> , 2002, 23, 209-222.	0.5	19
66	Toward a risk assessment of central Aegean volcanoes. <i>Eos</i> , 2006, 87, 401.	0.1	19
67	Error prevention in online forms: Use color instead of asterisks to mark required-fields. <i>Interacting With Computers</i> , 2009, 21, 257-262.	1.0	19
68	The Christianaâ€CSantoriniâ€CKolumbo Volcanic Field. <i>Elements</i> , 2019, 15, 171-176.	0.5	19
69	The Northern Red Sea in Transition from Rifting to Drifting-Lessons Learned from Ocean Deeps. <i>Springer Earth System Sciences</i> , 2015, , 99-121.	0.1	19
70	Late Quaternary Seismic Stratigraphy of the Eastern Bengal Shelf. <i>Marine Geophysical Researches</i> , 1998, 20, 57-71.	0.5	18
71	Comparison of prestack stereotomography and NIP wave tomography for velocity model building: Instances from the Messinian evaporites. <i>Geophysics</i> , 2008, 73, VE291-VE302.	1.4	18
72	Spatio-temporal evolution of the Christiana-Santorini-Kolumbo volcanic field, Aegean Sea. <i>Geology</i> , 2022, 50, 96-100.	2.0	16

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73	Complex BSR pattern in the Yaquina Basin off Peru. <i>Geo-Marine Letters</i> , 2003, 23, 91-101.	0.5	15
74	Submarine sedimentation processes in the southeastern Terceira Rift/São Miguel region (Azores). <i>Marine Geology</i> , 2016, 374, 42-58.	0.9	15
75	Crustal structure of the Eurasia–Africa plate boundary across the Gloria Fault, North Atlantic Ocean. <i>Geophysical Journal International</i> , 2017, 209, 713-729.	1.0	15
76	A subaquatic moraine complex in overdeepened Lake Thun (Switzerland) unravelling the deglaciation history of the Aare Glacier. <i>Quaternary Science Reviews</i> , 2018, 187, 62-79.	1.4	15
77	Investigating the structural evolution of the western Baltic. <i>Eos</i> , 2004, 85, 115.	0.1	14
78	Correlated Changes Between Volcanic Structures and Magma Composition in the Faial Volcanic System, Azores. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	14
79	Reflection/Refraction Seismology. , 2014, , 1-15.		14
80	Structure and origin of southern Weddell Sea crust: results and implications. <i>Geological Society Special Publication</i> , 1996, 108, 201-211.	0.8	13
81	Deglaciation and future stability of the Coats Land ice margin, Antarctica. <i>Cryosphere</i> , 2018, 12, 2383-2399.	1.5	13
82	QUATERNARY SEDIMENTATION IN THE MOLENGRAAFF PALEO-DELTA, NORTHERN SUNDA SHELF (SOUTHERN) Tj ETQq0 0 0 rgBT /Overl		13
83	The continental margin off East Antarctica between 10°W and 30°W. <i>Geological Society Special Publication</i> , 1996, 108, 129-141.	0.8	12
84	The Hecataeus Rise, easternmost Mediterranean: A structural record of Miocene-Quaternary convergence and incipient continent-continent-collision at the African-Anatolian plate boundary. <i>Marine and Petroleum Geology</i> , 2015, 67, 368-388.	1.5	12
85	High-resolution shear-wave seismics across the Carlsberg Fault zone south of Copenhagen – Implications for linking Mesozoic and late Pleistocene structures. <i>Tectonophysics</i> , 2016, 682, 56-64.	0.9	12
86	Combining amphibious geomorphology with subsurface geophysical and geological data: A neotectonic study at the front of the Alps (Bernese Alps, Switzerland). <i>Quaternary International</i> , 2017, 451, 101-113.	0.7	12
87	The role of internal waves in the late Quaternary evolution of the Israeli continental slope. <i>Marine Geology</i> , 2018, 406, 177-192.	0.9	12
88	When There Is No Offset: A Demonstration of Seismic Diffraction Imaging and Depth–Velocity Model Building in the Southern Aegean Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019961.	1.4	12
89	The impact of salt on the late Messinian to recent tectonostratigraphic evolution of the Cyprus subduction zone. <i>Basin Research</i> , 2016, 28, 569-597.	1.3	11
90	Misinterpretation of velocity pulls caused by high-velocity infill of tunnel valleys in the southern Baltic Sea. <i>Near Surface Geophysics</i> , 2020, 18, 643-657.	0.6	11

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91	Structural Evolution at the Northeast North German Basin Margin: From Initial Triassic Salt Movement to Late Cretaceous–Cenozoic Remobilization. <i>Tectonics</i> , 2020, 39, e2019TC005927.	1.3	11
92	Influence of recent depositional and tectonic controls on marine gas hydrates in Trujillo Basin, Peru Margin. <i>Marine Geology</i> , 2013, 340, 30-48.	0.9	9
93	Crustal structure from the Hecataeus Rise to the Levantine Basin, eastern Mediterranean, from seismic refraction and gravity modelling. <i>Geophysical Journal International</i> , 2015, 203, 2055-2069.	1.0	9
94	Evolution of contourite systems in the late Cretaceous Chalk Sea along the Tornquist Zone. <i>Sedimentology</i> , 2019, 66, 1341-1360.	1.6	9
95	Semi-automated bathymetric spectral decomposition delineates the impact of mass wasting on the morphological evolution of the continental slope, offshore Israel. <i>Basin Research</i> , 2020, 32, 1156-1183.	1.3	9
96	Impact of Late Cretaceous inversion and Cenozoic extension on salt structure growth in the Baltic sector of the North German Basin. <i>Basin Research</i> , 2022, 34, 220-250.	1.3	9
97	<i>Salt Dynamics</i> . , 2008, , 248-344.		9
98	Submarine landsliding in carbonate ooze along low-angle slopes (Inner Sea, Maldives). <i>Marine and Petroleum Geology</i> , 2022, 136, 105403.	1.5	9
99	Impact of Late Cretaceous to Neogene plate tectonics and Quaternary ice loads on supra-salt deposits at Eastern G1¼ckstadt Graben, North German Basin. <i>International Journal of Earth Sciences</i> , 2020, 109, 1029-1050.	0.9	8
100	The Hidden Giant: How a rift pulse triggered a cascade of sector collapses and voluminous secondary mass-transport events in the early evolution of Santorini. <i>Basin Research</i> , 2022, 34, 1465-1485.	1.3	8
101	Crustal structure of the Antarctic continental margin in the eastern Weddell Sea. <i>Geological Society Special Publication</i> , 1996, 108, 165-174.	0.8	7
102	Implications for focused fluid transport at the northern Cascadia accretionary prism from a correlation between BSR occurrence and near-sea-floor reflectivity anomalies imaged in a multi-frequency seismic data set. <i>International Journal of Earth Sciences</i> , 2000, 88, 655-667.	0.9	7
103	Seismic amplitude and attribute data from Mesozoic strata in the Skagerrak (Danish-Norwegian North) Tj ETQq1 1 0.784314 rgBT /Ov 104596.	1.5	7
104	Geochemical characterization of deep-sea sediments on the Azores Plateau – From diagenesis to hydrothermal activity. <i>Marine Geology</i> , 2020, 429, 106291.	0.9	7
105	<i>Basin Fill</i> . , 2008, , 156-245.		7
106	Lithospheric structure of the eastern Mediterranean Sea: Inferences from surface wave tomography and stochastic inversions constrained by wide-angle refraction measurements. <i>Tectonophysics</i> , 2021, 821, 229159.	0.9	7
107	Extreme intensity of fluid-rock interaction during extensive intraplate volcanism. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 257, 26-48.	1.6	6
108	Gabbro Discovery in Discovery Deep: First Plutonic Rock Samples From the Red Sea Rift Axis. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6

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109	The shaping of a volcanic ridge in a tectonically active setting: The Pico-Faial Ridge in the Azores Triple Junction. <i>Geomorphology</i> , 2021, 378, 107612.	1.1	5
110	The Evolution of Central Volcanoes in Ultraslow Rift Systems: Constraints From D. João de Castro Seamount, Azores. <i>Tectonics</i> , 2021, 40, e2020TC006663.	1.3	5
111	Asymmetric abundances of submarine sediment waves around the Azores volcanic islands. <i>Marine Geology</i> , 2022, 449, 106837.	0.9	5
112	The submarine Azores Plateau: Evidence for a waning mantle plume?. <i>Marine Geology</i> , 2022, 451, 106858.	0.9	5
113	A comprehensive model of seismic velocities for the Bay of Mecklenburg (Baltic Sea) at the North German Basin margin: implications for basin development. <i>Geo-Marine Letters</i> , 2021, 41, 1.	0.5	4
114	Early stage diapirism in the Red Sea deep-water evaporites: Origins and length-scales. <i>Tectonophysics</i> , 2022, 831, 229331.	0.9	4
115	Origin of High Mg and SO ₄ Fluids in Sediments of the Terceira Rift, Azores—Indications for Caminite Dissolution in a Waning Hydrothermal System. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 6078-6094.	1.0	3
116	Reflection/Refraction Seismology. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 721-731.	0.1	3
117	Crustal structure across the Teisseyre-Tornquist Zone offshore Poland based on a new refraction/wide-angle reflection profile and potential field modelling. <i>Tectonophysics</i> , 2022, 828, 229271.	0.9	3
118	The organization of interaction design pattern languages alongside the design process. <i>Interacting With Computers</i> , 2011, 23, 189-201.	1.0	2
119	Early Holocene estuary development of the Hesselå, Bay area, southern Kattegat, Denmark and its implication for Ancylus Lake drainage. <i>Geo-Marine Letters</i> , 2017, 37, 579-591.	0.5	2
120	Seismic stratigraphy of the Klints Bank east of Gotland (Baltic Sea): a giant drumlin sealing thermogenic hydrocarbons. <i>Geo-Marine Letters</i> , 2021, 41, 1.	0.5	2
121	Morphotectonic Analysis between Crete and Kasos. , 2017, , .		2
122	Vast amount of accommodation space controlled evolution of a continuous Pliocene—Pleistocene mixed cool-water carbonate-siliciclastic prograding wedge in the Bay of Oran (Western Tj ETQq0 0 0 rgBT /Overlock 1.0 Tf 50.217 Td (M		1
123	Time migrated CRS images of complex inverted basin structures. , 2002, , .		1
124	Velocity model building: A comparison between prestack stereotomography and NIP—wave tomography. , 2007, , .		1
125	Mass Wasting at the Easternmost Cyprus Arc, Off Syria, Eastern Mediterranean. , 2010, , 323-334.		1
126	Evolution of a young salt giant: The example of the Messinian evaporites in the Levantine Basin. , 2017, , 175-182.		1

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127	The active tectonic structures along the southern margin of Lesvos Island, related to the seismic activity of July 2017, Aegean Sea, Greece. <i>Geo-Marine Letters</i> , 2021, 41, 1.	0.5	1
128	Data Acquisition and Mapping for Geohazard Analysis. <i>Communications in Computer and Information Science</i> , 2019, , 130-140.	0.4	0
129	Introduction to special section: Seismic interpretation of contourites and deep-water sediment waves. <i>Interpretation</i> , 2021, 9, SBi-SBii.	0.5	0
130	Deep Imaging with a New Method for Efficient 3D Broadband Marine Acquisition and Processing. , 2009, , .		0