

Peter Linke

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

3,685
citations

36
h-index

60
g-index

83
ext. papers

4,137
ext. citations

3.6
avg, IF

4.89
L-index

#	Paper	IF	Citations
79	Gas hydrate destabilization: enhanced dewatering, benthic material turnover and large methane plumes at the Cascadia convergent margin. <i>Earth and Planetary Science Letters</i> , 1999 , 170, 1-15	5.3	333
78	Microhabitat preferences of benthic foraminifera—static concept or a dynamic adaptation to optimize food acquisition?. <i>Marine Micropaleontology</i> , 1993 , 20, 215-234	1.7	268
77	Activity, Distribution, and Diversity of Sulfate Reducers and Other Bacteria in Sediments above Gas Hydrate (Cascadia Margin, Oregon). <i>Geomicrobiology Journal</i> , 2003 , 20, 269-294	2.5	227
76	Macrofaunal community structure and sulfide flux at gas hydrate deposits from the Cascadia convergent margin, NE Pacific. <i>Marine Ecology - Progress Series</i> , 2002 , 231, 121-138	2.6	226
75	U/Th systematics and ages of authigenic carbonates from Hydrate Ridge, Cascadia Margin: recorders of fluid flow variations. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 3845-3857	5.5	151
74	Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 5209-5219	5.5	125
73	Fluid venting in the eastern Aleutian Subduction Zone. <i>Journal of Geophysical Research</i> , 1998 , 103, 2597-2614		97
72	Methane seepage along the Hikurangi Margin, New Zealand: Overview of studies in 2006 and 2007 and new evidence from visual, bathymetric and hydroacoustic investigations. <i>Marine Geology</i> , 2010 , 272, 6-25	3.3	94
71	Quantification of seep-related methane gas emissions at Tommeliten, North Sea. <i>Continental Shelf Research</i> , 2011 , 31, 867-878	2.4	91
70	In situ measurement of fluid flow from cold seeps at active continental margins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994 , 41, 721-739	2.5	87
69	Efficiency of the benthic filter: Biological control of the emission of dissolved methane from sediments containing shallow gas hydrates at Hydrate Ridge. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	5.9	74
68	Estimates of methane output from mud extrusions at the erosive convergent margin off Costa Rica. <i>Marine Geology</i> , 2006 , 225, 129-144	3.3	74
67	Hydrothermal studies in the aegean sea. <i>Physics and Chemistry of the Earth</i> , 2000 , 25, 1-8		70
66	Gas and fluid venting at the Makran accretionary wedge off Pakistan. <i>Geo-Marine Letters</i> , 2000 , 20, 10-19	1.9	70
65	The Role of Benthic Foraminifera in Deep-Sea Food Webs and Carbon Cycling 1992 , 63-91		70
64	In situ benthic fluxes from an intermittently active mud volcano at the Costa Rica convergent margin. <i>Earth and Planetary Science Letters</i> , 2005 , 235, 79-95	5.3	68
63	Response of deep-sea benthic foraminifera to a simulated sedimentation event. <i>Journal of Foraminiferal Research</i> , 1995 , 25, 75-82	1.1	65

62	Metabolic adaptations of deep-sea benthic foraminifera to seasonally varying food input. <i>Marine Ecology - Progress Series</i> , 1992 , 81, 51-63	2.6	64
61	Acoustic imaging of natural gas seepage in the North Sea: Sensing bubbles controlled by variable currents. <i>Limnology and Oceanography: Methods</i> , 2010 , 8, 155-171	2.6	63
60	Seabed methane emissions and the habitat of frenulate tubeworms on the Captain Arutyunov mud volcano (Gulf of Cadiz). <i>Marine Ecology - Progress Series</i> , 2009 , 382, 69-86	2.6	63
59	Cold seep carbonates and associated cold-water corals at the Hikurangi Margin, New Zealand: New insights into fluid pathways, growth structures and geochronology. <i>Marine Geology</i> , 2010 , 272, 307-318	3.3	62
58	Methane sources, distributions, and fluxes from cold vent sites at Hydrate Ridge, Cascadia Margin. <i>Global Biogeochemical Cycles</i> , 2005 , 19, n/a-n/a	5.9	62
57	Atmospheric methane flux from bubbling seeps: Spatially extrapolated quantification from a Black Sea shelf area. <i>Journal of Geophysical Research</i> , 2010 , 115,		55
56	Quantification of methane emissions at abandoned gas wells in the Central North Sea. <i>Marine and Petroleum Geology</i> , 2015 , 68, 848-860	4.7	52
55	Benthic respiration in a seep habitat dominated by dense beds of ampharetid polychaetes at the Hikurangi Margin (New Zealand). <i>Marine Geology</i> , 2010 , 272, 223-232	3.3	50
54	Quantifying tidally driven benthic oxygen exchange across permeable sediments: An aquatic eddy correlation study. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 6918-6932	3.3	49
53	Methane-carbon flow into the benthic food web at cold seeps--a case study from the Costa Rica subduction zone. <i>PLoS ONE</i> , 2013 , 8, e74894	3.7	47
52	Discovery of a natural CO ₂ seep in the German North Sea: Implications for shallow dissolved gas and seep detection. <i>Journal of Geophysical Research</i> , 2011 , 116,		46
51	Methane seepage along the Hikurangi Margin of New Zealand: Geochemical and physical data from the water column, sea surface and atmosphere. <i>Marine Geology</i> , 2010 , 272, 170-188	3.3	44
50	Geological imprint of methane seepage on the seabed and biota of the convergent Hikurangi Margin, New Zealand: Box core and grab carbonate results. <i>Marine Geology</i> , 2010 , 272, 285-306	3.3	43
49	Simple, robust eddy correlation amplifier for aquatic dissolved oxygen and hydrogen sulfide flux measurements. <i>Limnology and Oceanography: Methods</i> , 2011 , 9, 340-347	2.6	41
48	Oxygen-minimum zone sediments in the northeastern Arabian Sea off Pakistan: a habitat for the bacterium <i>Thioploca</i> . <i>Marine Ecology - Progress Series</i> , 2001 , 211, 27-42	2.6	40
47	Elasmobranch egg capsules associated with modern and ancient cold seeps: a nursery for marine deep-water predators. <i>Marine Ecology - Progress Series</i> , 2011 , 437, 175-181	2.6	39
46	Physical limitations of dissolved methane fluxes: The role of bottom-boundary layer processes. <i>Marine Geology</i> , 2010 , 272, 209-222	3.3	36
45	Active venting sites on the gas-hydrate-bearing Hikurangi Margin, off New Zealand: Diffusive-versus bubble-released methane. <i>Marine Geology</i> , 2010 , 272, 233-250	3.3	36

44	Intercalibration of benthic flux chambers. <i>Marine Chemistry</i> , 2005 , 94, 147-173	3.7	36
43	Benthic O ₂ uptake of two cold-water coral communities estimated with the non-invasive eddy correlation technique. <i>Marine Ecology - Progress Series</i> , 2015 , 525, 97-104	2.6	33
42	Microbes, macrofauna, and methane: A novel seep community fueled by aerobic methanotrophy. <i>Limnology and Oceanography</i> , 2013 , 58, 1640-1656	4.8	31
41	Ongoing methane discharge at well site 22/4b (North Sea) and discovery of a spiral vortex bubble plume motion. <i>Marine and Petroleum Geology</i> , 2015 , 68, 718-730	4.7	29
40	Pathways and regulation of carbon, sulfur and energy transfer in marine sediments overlying methane gas hydrates on the Opouawe Bank (New Zealand). <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 5763-5784	5.5	26
39	The fate of bubbles in a large, intense bubble megaplume for stratified and unstratified water: Numerical simulations of 22/4b expedition field data. <i>Marine and Petroleum Geology</i> , 2015 , 68, 806-823	4.7	25
38	Long-term acoustic monitoring at North Sea well site 22/4b. <i>Marine and Petroleum Geology</i> , 2015 , 68, 776-788	4.7	24
37	Continuous inline mapping of a dissolved methane plume at a blowout site in the Central North Sea UK using a membrane inlet mass spectrometer □Water column stratification impedes immediate methane release into the atmosphere. <i>Marine and Petroleum Geology</i> , 2015 , 68, 766-775	4.7	24
36	Sidescan sonar imagery of widespread fossil and active cold seeps along the central Chilean continental margin. <i>Geo-Marine Letters</i> , 2012 , 32, 489-499	1.9	24
35	New insights on the trophic ecology of bathyal communities from the methane seep area off Concepci3n, Chile (~36°S). <i>Marine Ecology</i> , 2014 , 35, 1-21	1.4	23
34	Footprint and detectability of a well leaking CO ₂ in the Central North Sea: Implications from a field experiment and numerical modelling. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 84, 190-203 ^{4.2}		22
33	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO ₂ release. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 106, 103237 ^{4.2}		22
32	Fault zone controlled seafloor methane seepage in the rupture area of the 2010 Maule earthquake, Central Chile. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 4802-4813	3.6	21
31	Linked sediment and water-column methanotrophy at a man-made gas blowout in the North Sea: Implications for methane budgeting in seasonally stratified shallow seas. <i>Limnology and Oceanography</i> , 2016 , 61, S367-S386	4.8	21
30	<i>Miliolinella subrotunda</i> (Montagu), a miliolid foraminifer building large detritic tubes for a temporary epibenthic lifestyle. <i>Marine Micropaleontology</i> , 1993 , 20, 293-301	1.7	21
29	Natural CO ₂ Seeps Offshore Panarea: A Test Site for Subsea CO ₂ Leak Detection Technology. <i>Marine Technology Society Journal</i> , 2015 , 49, 19-30	0.5	18
28	The Pelagic In situ Observation System (PELAGIOS) to reveal biodiversity, behavior, and ecology of elusive oceanic fauna. <i>Ocean Science</i> , 2019 , 15, 1327-1340	4	16
27	Shallow Gas Migration along Hydrocarbon Wells-An Unconsidered, Anthropogenic Source of Biogenic Methane in the North Sea. <i>Environmental Science & Technology</i> , 2017 , 51, 10262-10268	10.3	13

26	Novel Online Digital Video and High-Speed Data Broadcasting via Standard Coaxial Cable Onboard Marine Operating Vessels. <i>Marine Technology Society Journal</i> , 2015 , 49, 7-18	0.5	13
25	Seepage of methane at Jaco Scar, a slide caused by seamount subduction offshore Costa Rica. <i>International Journal of Earth Sciences</i> , 2014 , 103, 1801-1815	2.2	13
24	Thermocline mixing and vertical oxygen fluxes in the stratified central North Sea. <i>Biogeosciences</i> , 2016 , 13, 1609-1620	4.6	13
23	Simulating and Quantifying Multiple Natural Subsea CO Seeps at Panarea Island (Aeolian Islands, Italy) as a Proxy for Potential Leakage from Subseabed Carbon Storage Sites. <i>Environmental Science & Technology</i> , 2019 , 53, 10258-10268	10.3	12
22	Mobile underwater in situ gamma-ray spectroscopy to localize groundwater emanation from pockmarks in the Eckernförde bay, Germany. <i>Applied Radiation and Isotopes</i> , 2018 , 140, 305-313	1.7	10
21	Recent Development in IR Sensor Technology for Monitoring Subsea Methane Discharge. <i>Marine Technology Society Journal</i> , 2013 , 47, 27-36	0.5	10
20	Tidal Dynamics Control on Cold-Water Coral Growth: A High-Resolution Multivariable Study on Eastern Atlantic Cold-Water Coral Sites. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	8
19	Bubble momentum plume as a possible mechanism for an early breakdown of the seasonal stratification in the northern North Sea. <i>Marine and Petroleum Geology</i> , 2015 , 68, 789-805	4.7	8
18	Geochemistry of a sealed deep-sea borehole on the Cascadia Margin. <i>Marine Geology</i> , 1998 , 148, 9-20	3.3	8
17	Autonomous Underwater Vehicle ÆBYSS. <i>Journal of Large-scale Research Facilities JLSRF</i> , 2,		8
16	Defining a biogeochemical baseline for sediments at Carbon Capture and Storage (CCS) sites: An example from the North Sea (Goldeneye). <i>International Journal of Greenhouse Gas Control</i> , 2021 , 106, 103265	4.2	8
15	Epibenthos Dynamics and Environmental Fluctuations in Two Contrasting Polar Carbonate Factories (Mosselbukta and Bjørny-Banken, Svalbard). <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	8
14	Water column baseline assessment for offshore Carbon Dioxide Capture and Storage (CCS) sites: Analysis of field data from the Goldeneye storage complex area. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 109, 103344	4.2	7
13	A sediment flow-through system to study the impact of shifting fluid and methane flow regimes on the efficiency of the benthic methane filter. <i>Limnology and Oceanography: Methods</i> , 2014 , 12, 25-45	2.6	6
12	Quantification of methane emission from bacterial mat sites at Quepos Slide offshore Costa Rica. <i>International Journal of Earth Sciences</i> , 2014 , 103, 1817-1829	2.2	6
11	Suitability analysis and revised strategies for marine environmental carbon capture and storage (CCS) monitoring. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 112, 103510	4.2	6
10	Response of anaerobic methanotrophs and benthic foraminifera to 20 years of methane emission from a gas blowout in the North Sea. <i>Marine and Petroleum Geology</i> , 2015 , 68, 731-742	4.7	5
9	Efficiency and adaptability of the benthic methane filter at Quepos Slide cold seeps, offshore of Costa Rica. <i>Biogeosciences</i> , 2015 , 12, 6687-6706	4.6	5

8	Quantification of dissolved CO ₂ plumes at the Goldeneye CO ₂ -release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 109, 103387	4.2	5
7	Modeling polyp activity of <i>Paragorgia arborea</i> using supervised learning. <i>Ecological Informatics</i> , 2017 , 39, 109-118	4.2	4
6	Remotely Operated Vehicle ROV KIEL 6000 <i>Journal of Large-scale Research Facilities JLSRF</i> ,3,		2
5	Remotely Operated Vehicle ROV PHOCA <i>Journal of Large-scale Research Facilities JLSRF</i> ,3,		2
4	RV SONNE Fahrtbericht/Cruise Report SO268 - Assessing the Impacts of Nodule Mining on the Deep-sea Environment: Nodule Monitoring, Manzanillo (Mexico) \square Vancouver (Canada), 17.02. \square 27.05.2019		2
3	Deviations from environmental baseline: Detection of subsea CO ₂ release in the water column from real-time measurements at a potential offshore Carbon Dioxide Storage site. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 109, 103369	4.2	2
2	Thermal small steps staircase and layer migration in the Atlantis II Deep, Red Sea. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	1
1	Autonomous methane seep site monitoring offshore western Svalbard: hourly to seasonal variability and associated oceanographic parameters. <i>Ocean Science</i> , 2022 , 18, 233-254	4	0