

Jens Schneider von Deimling

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,086
citations

489802

18
h-index

466096

32
g-index

35
all docs

35
docs citations

35
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	How can Sentinel-2 contribute to seagrass mapping in shallow, turbid Baltic Sea waters?. Remote Sensing in Ecology and Conservation, 2022, 8, 328-346.	2.2	12
2	Pelagic Methane Sink Enhanced by Benthic Methanotrophs Ejected From a Gas Seep. Geophysical Research Letters, 2021, 48, e2021GL094819.	1.5	3
3	Measurement of Seafloor Acoustic Backscatter Angular Dependence at 150 kHz Using a Multibeam Echosounder. Remote Sensing, 2021, 13, 4771.	1.8	7
4	Spectral features of dual-frequency multibeam echosounder data for benthic habitat mapping. Marine Geology, 2020, 427, 106239.	0.9	35
5	Discovery and quantification of a widespread methane ebullition event in a coastal inlet (Baltic Sea) using a novel sonar strategy. Scientific Reports, 2020, 10, 4393.	1.6	24
6	Complex Eyed Pockmarks and Submarine Groundwater Discharge Revealed by Acoustic Data and Sediment Cores in Eckernförde Bay, SW Baltic Sea. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008825.	1.0	22
7	New Feature Classes for Acoustic Habitat Mapping – A Multibeam Echosounder Point Cloud Analysis for Mapping Submerged Aquatic Vegetation (SAV). Geosciences (Switzerland), 2019, 9, 235.	1.0	21
8	The influence of submarine currents associated with the Subtropical Front upon seafloor depression morphologies on the eastern passive margin of South Island, New Zealand. New Zealand Journal of Geology, and Geophysics, 2018, 61, 112-125.	1.0	17
9	Giant depressions on the Chatham Rise offshore New Zealand – Morphology, structure and possible relation to fluid expulsion and bottom currents. Marine Geology, 2018, 399, 158-169.	0.9	13
10	Validation of automated supervised segmentation of multibeam backscatter data from the Chatham Rise, New Zealand. Marine Geophysical Researches, 2018, 39, 205-227.	0.5	16
11	Improved Interpretation of Marine Sedimentary Environments Using Multi-Frequency Multibeam Backscatter Data. Geosciences (Switzerland), 2018, 8, 214.	1.0	38
12	Ammunition detection using high frequency multibeam snippet backscatter information. Marine Pollution Bulletin, 2018, 133, 481-490.	2.3	4
13	Impact of Lanice conchilega on seafloor microtopography off the island of Sylt (German Bight, SE) Tj ETQq1 1 0.784314 rgBT/Overlo 0,5	0.5	8
14	Geochemical observations within the water column at the CO ₂ -rich hydrothermal systems Hatoma Knoll and Yonaguni Knoll IV, in the southern Okinawa Trough. Journal of Geophysical Research: Oceans, 2016, 121, 6618-6634.	1.0	5
15	Effects of using inclined parametric echosounding on sub-bottom acoustic imaging and advances in buried object detection. Geo-Marine Letters, 2016, 36, 113-119.	0.5	23
16	The fate of bubbles in a large, intense bubble megaplume for stratified and unstratified water: Numerical simulations of 22/4b expedition field data. Marine and Petroleum Geology, 2015, 68, 806-823.	1.5	27
17	The Bubble Box: Towards an Automated Visual Sensor for 3D Analysis and Characterization of Marine Gas Release Sites. Sensors, 2015, 15, 30716-30735.	2.1	16
18	Ongoing methane discharge at well site 22/4b (North Sea) and discovery of a spiral vortex bubble plume motion. Marine and Petroleum Geology, 2015, 68, 718-730.	1.5	41

#	ARTICLE	IF	CITATIONS
19	Bubble Transport Mechanism: Indications for a gas bubble-mediated inoculation of benthic methanotrophs into the water column. <i>Continental Shelf Research</i> , 2015, 103, 70-78.	0.9	21
20	A water column study of methane around gas flares located at the West Spitsbergen continental margin. <i>Continental Shelf Research</i> , 2014, 72, 107-118.	0.9	104
21	A low frequency multibeam assessment: Spatial mapping of shallow gas by enhanced penetration and angular response anomaly. <i>Marine and Petroleum Geology</i> , 2013, 44, 217-222.	1.5	35
22	One year of continuous measurements constraining methane emissions from the Baltic Sea to the atmosphere using a ship of opportunity. <i>Biogeosciences</i> , 2013, 10, 81-99.	1.3	48
23	Fluid and gas fluxes from the Logatchev hydrothermal vent area. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	9
24	Technical Note: Detection of gas bubble leakage via correlation of water column multibeam images. <i>Ocean Science</i> , 2012, 8, 175-181.	1.3	21
25	A new method for continuous measurement of methane and carbon dioxide in surface waters using off-axis integrated cavity output spectroscopy (ICOS): An example from the Baltic Sea. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 176-184.	1.0	61
26	Quantification of seep-related methane gas emissions at Tommeliten, North Sea. <i>Continental Shelf Research</i> , 2011, 31, 867-878.	0.9	107
27	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.	0.9	62
28	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.	1.0	76
29	Distribution of methane in the water column of the Baltic Sea. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	54
30	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.	0.9	70
31	Shallow Microbial Recycling of Deep-Sourced Carbon in Gulf of Cadiz Mud Volcanoes. <i>Geomicrobiology Journal</i> , 2008, 25, 283-295.	1.0	15
32	Flare imaging with multibeam systems: Data processing for bubble detection at seeps. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	62
33	Formation of the Figge Maar Seafloor Crater During the 1964 B1 Blowout in the German North Sea. <i>Earth Science, Systems and Society</i> , 0, 2, .	0.0	4