

Ulrich Callies

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,122
citations

471509

17
h-index

454955

30
g-index

51
all docs

51
docs citations

51
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bayesian Approach to the Estimation of Parameters and Their Interdependencies in Environmental Modeling. <i>Entropy</i> , 2022, 24, 231.	2.2	5
2	Mesoscale Advective and Biological Processes Alter Carbon Uptake Capacity in a Shelf Sea. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	0
3	Sensitive dependence of trajectories on tracer seeding positions “coherent structures in German Bight backward drift simulations. <i>Ocean Science</i> , 2021, 17, 527-541.	3.4	8
4	On Using Lagrangian Drift Simulations to Aid Interpretation of in situ Monitoring Data. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
5	A probabilistic model of decision making regarding the use of chemical dispersants to combat oil spills in the German Bight. <i>Water Research</i> , 2020, 169, 115196.	11.3	21
6	Interactive impacts of meteorological and hydrological conditions on the physical and biogeochemical structure of a coastal system. <i>Biogeosciences</i> , 2020, 17, 5097-5127.	3.3	14
7	Submesoscale dispersion of surface drifters in a coastal sea near offshore wind farms. <i>Ocean Science</i> , 2019, 15, 865-889.	3.4	8
8	Implications of using chemical dispersants to combat oil spills in the German Bight “Depiction by means of a Bayesian network. <i>Environmental Pollution</i> , 2019, 248, 609-620.	7.5	31
9	The potential for dispersant use as a maritime oil spill response measure in German waters. <i>Marine Pollution Bulletin</i> , 2018, 129, 623-632.	5.0	25
10	The science-policy interface of risk-based freshwater and marine management systems: From concepts to practical tools. <i>Journal of Environmental Management</i> , 2018, 226, 340-346.	7.8	24
11	Effects of chemical dispersants on oil spill drift paths in the German Bight “probabilistic assessment based on numerical ensemble simulations. <i>Geo-Marine Letters</i> , 2017, 37, 163-170.	1.1	7
12	Variation that can be expected when using particle tracking models in connectivity studies. <i>Journal of Sea Research</i> , 2017, 127, 133-149.	1.6	23
13	Pelagic effects of offshore wind farm foundations in the stratified North Sea. <i>Progress in Oceanography</i> , 2017, 156, 154-173.	3.2	51
14	German Bight residual current variability on a daily basis: principal components of multi-decadal barotropic simulations. <i>Geo-Marine Letters</i> , 2017, 37, 151-162.	1.1	23
15	Residence times in shallow waters help explain regional differences in Wadden Sea eutrophication. <i>Geo-Marine Letters</i> , 2017, 37, 171-177.	1.1	7
16	Surface drifters in the German Bight: model validation considering windage and Stokes drift. <i>Ocean Science</i> , 2017, 13, 799-827.	3.4	34
17	Short-Term Dynamics of North Sea Bacterioplankton-Dissolved Organic Matter Coherence on Molecular Level. <i>Frontiers in Microbiology</i> , 2016, 7, 321.	3.5	48
18	Potential Impacts of Offshore Wind Farms on North Sea Stratification. <i>PLoS ONE</i> , 2016, 11, e0160830.	2.5	55

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19	Mean spring conditions at Helgoland Roads, North Sea: Graphical modeling of the influence of hydro-climatic forcing and Elbe River discharge. <i>Journal of Sea Research</i> , 2015, 101, 1-11.	1.6	12
20	The North Sea – A shelf sea in the Anthropocene. <i>Journal of Marine Systems</i> , 2015, 141, 18-33.	2.1	99
21	Marine litter ensemble transport simulations in the southern North Sea. <i>Marine Pollution Bulletin</i> , 2014, 86, 219-228.	5.0	88
22	Substrate-Controlled Succession of Marine Bacterioplankton Populations Induced by a Phytoplankton Bloom. <i>Science</i> , 2012, 336, 608-611.	12.6	1,304
23	Using a Bayesian Network to Summarize Variability in Numerical Long-Term Simulations of a Meteorological–Marine System: Drift Climatology of Assumed Oil Spills in the North Sea. <i>Environmental Modeling and Assessment</i> , 2011, 16, 1-14.	2.2	4
24	Particle tracking in the vicinity of Helgoland, North Sea: a model comparison. <i>Ocean Dynamics</i> , 2011, 61, 2121-2139.	2.2	39
25	Long-Term Model Simulation of Environmental Conditions to Identify Externally Forced Signals in Biological Time Series. , 2010, , 155-162.		4
26	Regional Meteorological–Marine Reanalyses and Climate Change Projections. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 849-860.	3.3	98
27	Model-based long-term reconstruction of weather-driven variations in chronic oil pollution along the German North Sea coast. <i>Marine Pollution Bulletin</i> , 2009, 58, 967-975.	5.0	28
28	A simple Lagrangian model to simulate temporal variability of algae in the Elbe River. <i>Ecological Modelling</i> , 2009, 220, 2173-2186.	2.5	16
29	Estimation of the impact of prevailing weather conditions on the occurrence of oil-contaminated dead birds on the German North Sea coast. <i>Environmental Pollution</i> , 2009, 157, 194-198.	7.5	19
30	Interaction structures analysed from water-quality data. <i>Ecological Modelling</i> , 2005, 187, 475-490.	2.5	7
31	Comparative Forecast Evaluation: Graphical Gaussian Models and Sufficiency Relations. <i>Monthly Weather Review</i> , 2000, 128, 1912-1924.	1.4	3