

Ralf D Prien

List of Publications by Year in descending order

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28
papers

801
citations

623699

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610883

24
g-index

29
all docs

29
docs citations

29
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	The Forgotten Azores Current: A Long-Term Perspective. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	4
2	A State-Of-The-Art Perspective on the Characterization of Subterranean Estuaries at the Regional Scale. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	20
3	30 years of temporal variability of temperature and currents below the main thermocline between 1980â€”2009 in the subtropical Northeast Atlantic (Kiel 276, 33â”N, 22â”W). <i>Journal of Marine Systems</i> , 2021, 217, 103517.	2.1	3
4	The Great (PIP) Escape. , 2021, , .		0
5	Interleaving of oxygenized intrusions into the Baltic Sea redoxcline. <i>Limnology and Oceanography</i> , 2020, 65, 482-503.	3.1	16
6	Abundance and characteristics of microfibers detected in sediment trap material from the deep subtropical North Atlantic Ocean. <i>Science of the Total Environment</i> , 2020, 738, 140354.	8.0	37
7	Quantification of dissolved oxygen dynamics in a semi-enclosed sea â€” A comparison of observational platforms. <i>Continental Shelf Research</i> , 2018, 169, 34-45.	1.8	6
8	Diffusive Convection under Rapidly Varying Conditions. <i>Journal of Physical Oceanography</i> , 2018, 48, 1731-1747.	1.7	10
9	PDMS membranes as sensing element in optical sensors for gas detection in water. <i>Sensing and Bio-Sensing Research</i> , 2017, 16, 74-78.	4.2	20
10	Deepwater dynamics and mixing processes during a major inflow event in the central Baltic Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6648-6667.	2.6	33
11	Technical note: GODESS â€” a profiling mooring in the Gotland Basin. <i>Ocean Science</i> , 2016, 12, 899-907.	3.4	21
12	A Multi-Pumping Flow System for In Situ Measurements of Dissolved Manganese in Aquatic Systems. <i>Sensors</i> , 2016, 16, 2027.	3.8	7
13	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. <i>Biogeosciences</i> , 2014, 11, 1215-1259.	3.3	175
14	Electrode measurements of the oxidation reduction potential in the Gotland Deep using a moored profiling instrumentation. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 141, 26-36.	2.1	12
15	Sensing Dissolved Methane in Aquatic Environments: An Experiment in the Central Baltic Sea Using Surface Plasmon Resonance. <i>Environmental Science & Technology</i> , 2013, 47, 130716153115002.	10.0	7
16	In situ determination of iron(II) in the anoxic zone of the central Baltic Sea using ferene as spectrophotometric reagent. <i>Marine Chemistry</i> , 2012, 130-131, 21-27.	2.3	12
17	The Gotland Deep Environmental Sampling Station in the Baltic Sea. , 2011, , .		3
18	Assessment of sensor performance. <i>Ocean Science</i> , 2010, 6, 235-245.	3.4	15

#	ARTICLE	IF	CITATIONS
19	Optical measurements of nitrate and H&inf>2</inf>S concentrations in Baltic waters. , 2009, , .		2
20	Hydrothermal activity on the southern Mid-Atlantic Ridge: Tectonically- and volcanically-controlled venting at 4â€“5Å°S. Earth and Planetary Science Letters, 2008, 273, 332-344.	4.4	72
21	Field assessment of a new membrane-free microelectrode dissolved oxygen sensor for water column profiling. Limnology and Oceanography: Methods, 2008, 6, 180-189.	2.0	10
22	Technologies for new in situ chemical sensors. , 2007, , .		9
23	The future of chemical in situ sensors. Marine Chemistry, 2007, 107, 422-432.	2.3	90
24	Development of a reliable microelectrode dissolved oxygen sensor. Sensors and Actuators B: Chemical, 2007, 123, 344-351.	7.8	68
25	Hydrothermal exploration of the Fonualei Rift and Spreading Center and the Northeast Lau Spreading Center. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	41
26	Interannual variability of deep water particle flux in relation to production and lateral sources in the northeast Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 33-50.	1.4	44
27	Trajectories of sinking particles and the catchment areas above sediment traps in the northeast Atlantic. Journal of Marine Research, 2000, 58, 983-1006.	0.3	54
28	A coarse resolution North Atlantic ocean circulation model: an intercomparison study with a paleoceanographic example. Annales Geophysicae, 1996, 14, 246-257.	1.6	8