

Anna Lichtschlag

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1572035/publications.pdf>

Version: 2024-02-01

51
papers

1,930
citations

279487

23
h-index

264894

42
g-index

57
all docs

57
docs citations

57
times ranked

2366
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the Intra-Habitat Variation of Seagrass Beds with Unoccupied Aerial Vehicles (UAVs). Remote Sensing, 2022, 14, 480.	1.8	8
2	Impact of shallow water hydrothermal seepage on benthic biogeochemical cycling, nutrient availability, and meiobenthic communities in a tropical coral reef. Limnology and Oceanography, 2022, 67, 567-584.	1.6	1
3	Using Unoccupied Aerial Vehicles (UAVs) to Map Seagrass Cover from Sentinel-2 Imagery. Remote Sensing, 2022, 14, 477.	1.8	14
4	Assuring the integrity of offshore carbon dioxide storage. Renewable and Sustainable Energy Reviews, 2022, 166, 112670.	8.2	8
5	Sediment acidification and temperature increase in an artificial CO2 vent. International Journal of Greenhouse Gas Control, 2021, 105, 103244.	2.3	9
6	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO2 release. International Journal of Greenhouse Gas Control, 2021, 106, 103237.	2.3	39
7	Defining a biogeochemical baseline for sediments at Carbon Capture and Storage (CCS) sites: An example from the North Sea (Goldeneye). International Journal of Greenhouse Gas Control, 2021, 106, 103265.	2.3	11
8	Multiscale characterisation of chimneys/pipes: Fluid escape structures within sedimentary basins. International Journal of Greenhouse Gas Control, 2021, 106, 103245.	2.3	13
9	Core-scale geophysical and hydromechanical analysis of seabed sediments affected by CO2 venting. International Journal of Greenhouse Gas Control, 2021, 108, 103332.	2.3	6
10	Sulfurization of dissolved organic matter in the anoxic water column of the Black Sea. Science Advances, 2021, 7, .	4.7	34
11	Impact of CO2 leakage from sub-seabed carbon dioxide storage on sediment and porewater geochemistry. International Journal of Greenhouse Gas Control, 2021, 109, 103352.	2.3	21
12	Efficient marine environmental characterisation to support monitoring of geological CO2 storage. International Journal of Greenhouse Gas Control, 2021, 109, 103388.	2.3	8
13	Numerical modelling of CO2 migration in heterogeneous sediments and leakage scenario for STEMM-CCS field experiments. International Journal of Greenhouse Gas Control, 2021, 109, 103339.	2.3	8
14	Time-lapse imaging of CO2 migration within near-surface sediments during a controlled sub-seabed release experiment. International Journal of Greenhouse Gas Control, 2021, 109, 103363.	2.3	22
15	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Human-impacted Landscapes. Global Biogeochemical Cycles, 2021, 35, e2021GB007023.	1.9	12
16	Environment, ecology, and potential effectiveness of an area protected from deep-sea mining (Clarion) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	36
17	Utility of natural and artificial geochemical tracers for leakage monitoring and quantification during an offshore controlled CO2 release experiment. International Journal of Greenhouse Gas Control, 2021, 111, 103421.	2.3	13
18	Seismic chimney characterisation in the North Sea – Implications for pockmark formation and shallow gas migration. Marine and Petroleum Geology, 2021, 133, 105301.	1.5	17

#	ARTICLE	IF	CITATIONS
19	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.	2.3	17
20	Pockmarks in the Witch Ground Basin, Central North Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1698-1719.	1.0	35
21	Controls on the chemical composition of ferromanganese nodules in the Clarion-Clipperton Fracture Zone, eastern equatorial Pacific. <i>Marine Geology</i> , 2019, 409, 1-14.	0.9	31
22	Increased Fluid Flow Activity in Shallow Sediments at the 3 km Long Hugin Fracture in the Central North Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2-20.	1.0	3
23	Anaerobic methane oxidation inducing carbonate precipitation at abiogenic methane seeps in the Tuscan archipelago (Italy). <i>PLoS ONE</i> , 2018, 13, e0207305.	1.1	21
24	Mineralogical and geochemical analysis of Fe-phases in drill-cores from the Triassic Stuttgart Formation at Ketzin CO ₂ storage site before CO ₂ arrival. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	7
25	Stability of dissolved and soluble Fe(II) in shelf sediment pore waters and release to an oxic water column. <i>Biogeochemistry</i> , 2017, 135, 49-67.	1.7	43
26	Hypoxia causes preservation of labile organic matter and changes seafloor microbial community composition (Black Sea). <i>Science Advances</i> , 2017, 3, e1601897.	4.7	145
27	Experimental assessment of pore fluid distribution and geomechanical changes in saline sandstone reservoirs during and after CO ₂ injection. <i>International Journal of Greenhouse Gas Control</i> , 2017, 63, 356-369.	2.3	18
28	Distribution and Composition of Thiotrophic Mats in the Hypoxic Zone of the Black Sea (150–170 m). <i>Journal of Geophysical Research</i> , 2015, 120, 1507-1520.	1.5	15
29	Quantification of the effects of ocean acidification on sediment microbial communities in the environment: the importance of ecosystem approaches. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv027.	1.3	52
30	Effects of fluctuating hypoxia on benthic oxygen consumption in the Black Sea (Crimean shelf). <i>Biogeosciences</i> , 2015, 12, 5075-5092.	1.3	16
31	Detection of CO ₂ leakage from a simulated sub-seabed storage site using three different types of pCO ₂ sensors. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 121-134.	2.3	51
32	Phosphorus behavior in sediments during a sub-seabed CO ₂ controlled release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 102-109.	2.3	5
33	Marine baseline and monitoring strategies for carbon dioxide capture and storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 221-229.	2.3	89
34	Effect of a controlled sub-seabed release of CO ₂ on the biogeochemistry of shallow marine sediments, their pore waters, and the overlying water column. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 80-92.	2.3	47
35	Impact and recovery of pH in marine sediments subject to a temporary carbon dioxide leak. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 93-101.	2.3	42
36	A novel sub-seabed CO ₂ release experiment informing monitoring and impact assessment for geological carbon storage. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 3-17.	2.3	64

#	ARTICLE	IF	CITATIONS
37	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. <i>Biogeosciences</i> , 2014, 11, 1215-1259.	1.3	175
38	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014, 4, 1011-1016.	8.1	159
39	Intermediate sulfur oxidation state compounds in the euxinic surface sediments of the Dvurechenskii mud volcano (Black Sea). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 130-145.	1.6	38
40	Limitations of microbial hydrocarbon degradation at the Amon mud volcano (Nile deep-sea fan). <i>Biogeosciences</i> , 2013, 10, 3269-3283.	1.3	22
41	Title is missing!. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2013, 13, .	0.4	15
42	Meiobenthos of the Oxidic/Anoxic Interface in the Southwestern Region of the Black Sea: Abundance and Taxonomic Composition. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 369-401.	0.3	15
43	Mats of psychrophilic thiotrophic bacteria associated with cold seeps of the Barents Sea. <i>Biogeosciences</i> , 2012, 9, 2947-2960.	1.3	47
44	Habitat heterogeneity influences cold-seep macrofaunal communities within and among seeps along the Norwegian margin. Part 1: macrofaunal community structure. <i>Marine Ecology</i> , 2012, 33, 205-230.	0.4	45
45	A novel, mat-forming <i>Thiomargarita</i> population associated with a sulfidic fluid flow from a deep-sea mud volcano. <i>Environmental Microbiology</i> , 2011, 13, 495-505.	1.8	30
46	Niche differentiation among mat-forming, sulfide-oxidizing bacteria at cold seeps of the Nile Deep Sea Fan (Eastern Mediterranean Sea). <i>Geobiology</i> , 2011, 9, 330-348.	1.1	101
47	Novel observations of <i>Thiobacterium</i> , a sulfur-storing Gammaproteobacterium producing gelatinous mats. <i>ISME Journal</i> , 2010, 4, 1031-1043.	4.4	12
48	Geochemical processes and chemosynthetic primary production in different thiotrophic mats of the Håkon Mosby Mud Volcano (Barents Sea). <i>Limnology and Oceanography</i> , 2010, 55, 931-949.	1.6	43
49	Methane and sulfide fluxes in permanent anoxia: In situ studies at the Dvurechenskii mud volcano (Sorokin Trough, Black Sea). <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5002-5018.	1.6	26
50	Geochemical processes and chemosynthetic primary production in different thiotrophic mats of the Håkon Mosby Mud Volcano (Barents Sea). <i>Limnology and Oceanography</i> , 2010, 55, 931-949.	1.6	34
51	Biological and chemical sulfide oxidation in a <i>Beggiatoa</i> inhabited marine sediment. <i>ISME Journal</i> , 2007, 1, 341-353.	4.4	170