Claudia Lorenz

List of Publications by Year in Descending Order

16 papers	1,960 citations	13 h-index	16 g-index
16 ext. papers	2,588 ext. citations	7 avg, IF	5.43 L-index

#	Paper	IF	Citations
16	Paraffin and other petroleum waxes in the southern North Sea. *Marine Pollution Bulletin*, **2021**, 162, 111807	8.7	3
15	Characterizing the multidimensionality of microplastics across environmental compartments. *Water Research*, **2021**, 202, 117429	12.5	11
14	Tying up Loose Ends of Microplastic Pollution in the Arctic: Distribution from the Sea Surface through the Water Column to Deep-Sea Sediments at the HAUSGARTEN Observatory. *Environmental Science & Technology*, **2020**, 54, 4079-4090	10.3	91
13	Comparison of pyrolysis gas chromatography/mass spectrometry and hyperspectral FTIR imaging spectroscopy for the analysis of microplastics. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 8283-8298	4.4	44
12	Bacterial biofilms colonizing plastics in estuarine waters, with an emphasis on Vibrio spp. and their antibacterial resistance. *PLoS ONE*, **2020**, 15, e0237704	3.7	22
11	Spatial distribution of microplastics in sediments and surface waters of the southern North Sea. *Environmental Pollution*, **2019**, 252, 1719-1729	9.3	121
10	Microplastic Pollution in Benthic Midstream Sediments of the Rhine River. *Environmental Science & Technology*, **2019**, 53, 6053-6062	10.3	90
9	Different stories told by small and large microplastics in sediment - first report of microplastic concentrations in an urban recipient in Norway. *Marine Pollution Bulletin*, **2019**, 141, 501-513	6.7	83
8	Reference database design for the automated analysis of microplastic samples based on Fourier transform infrared (FTIR) spectroscopy. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 5131-5141	4.4	159
7	Microplastics in Aquatic Systems Monitoring Methods and Biological Consequences **2018**, 179-195		1
6	Comparison of Raman and Fourier Transform Infrared Spectroscopy for the Quantification of Microplastics in the Aquatic Environment. *Environmental Science & Technology*, **2018**, 52, 13279-13288	10.3	143
5	An automated approach for microplastics analysis using focal plane array (FPA) FTIR microscopy and image analysis. *Analytical Methods*, **2017**, 9, 1499-1511	3.2	224
4	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. *Environmental Science & Technology*, **2017**, 51, 11000-11010	10.3	434
3	Enzymatic Purification of Microplastics in Environmental Samples. *Environmental Science & Technology*, **2017**, 51, 14283-14292	10.3	225
2	Mikroplastik in der Umwelt. *Chemie in Unserer Zeit*, **2017**, 51, 402-412	0.2	17
1	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. *Environmental Chemistry*, **2015**, 12, 563	3.2	292