

Claudia Lorenz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. <i>Environmental Science & Technology</i> , 2017 , 51, 11000-11010	10.3	434
15	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. <i>Environmental Chemistry</i> , 2015 , 12, 563	3.2	292
14	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science & Technology</i> , 2017 , 51, 14283-14292	10.3	225
13	An automated approach for microplastics analysis using focal plane array (FPA) FTIR microscopy and image analysis. <i>Analytical Methods</i> , 2017 , 9, 1499-1511	3.2	224
12	Reference database design for the automated analysis of microplastic samples based on Fourier transform infrared (FTIR) spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5131-5141	4.4	159
11	Comparison of Raman and Fourier Transform Infrared Spectroscopy for the Quantification of Microplastics in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2018 , 52, 13279-13288	10.3	143
10	Spatial distribution of microplastics in sediments and surface waters of the southern North Sea. <i>Environmental Pollution</i> , 2019 , 252, 1719-1729	9.3	121
9	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. <i>Environmental Science & Technology</i> , 2020 , 54, 4079-4090	10.3	91
8	Microplastic Pollution in Benthic Midstream Sediments of the Rhine River. <i>Environmental Science & Technology</i> , 2019 , 53, 6053-6062	10.3	90
7	Different stories told by small and large microplastics in sediment - first report of microplastic concentrations in an urban recipient in Norway. <i>Marine Pollution Bulletin</i> , 2019 , 141, 501-513	6.7	83
6	Comparison of pyrolysis gas chromatography/mass spectrometry and hyperspectral FTIR imaging spectroscopy for the analysis of microplastics. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8283-8298	4.4	44
5	Bacterial biofilms colonizing plastics in estuarine waters, with an emphasis on <i>Vibrio</i> spp. and their antibacterial resistance. <i>PLoS ONE</i> , 2020 , 15, e0237704	3.7	22
4	Mikroplastik in der Umwelt. <i>Chemie in Unserer Zeit</i> , 2017 , 51, 402-412	0.2	17
3	Characterizing the multidimensionality of microplastics across environmental compartments. <i>Water Research</i> , 2021 , 202, 117429	12.5	11
2	Paraffin and other petroleum waxes in the southern North Sea. <i>Marine Pollution Bulletin</i> , 2021 , 162, 111807	10.7	3
1	Microplastics in Aquatic Systems [Monitoring Methods and Biological Consequences 2018 , 179-195		1