

Claudia Lorenz

List of Publications by Year in descending order

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15
papers

3,238
citations

623188

14
h-index

996533

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all docs

16
docs citations

16
times ranked

2727
citing authors

#	ARTICLE	IF	CITATIONS
1	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. <i>Environmental Science & Technology</i> , 2017, 51, 11000-11010.	4.6	630
2	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.	0.7	414
3	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.	1.9	342
4	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science & Technology</i> , 2017, 51, 14283-14292.	4.6	338
5	An automated approach for microplastics analysis using focal plane array (FPA) FTIR microscopy and image analysis. <i>Analytical Methods</i> , 2017, 9, 1499-1511.	1.3	320
6	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.	4.6	251
7	Spatial distribution of microplastics in sediments and surface waters of the southern North Sea. <i>Environmental Pollution</i> , 2019, 252, 1719-1729.	3.7	190
8	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.	4.6	183
9	Microplastic Pollution in Benthic Midstream Sediments of the Rhine River. <i>Environmental Science & Technology</i> , 2019, 53, 6053-6062.	4.6	150
10	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.	2.3	138
11	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.	1.9	112
12	Characterizing the multidimensionality of microplastics across environmental compartments. <i>Water Research</i> , 2021, 202, 117429.	5.3	79
13	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.	1.1	58
14	Microplastics in Aquatic Systems – Monitoring Methods and Biological Consequences. , 2018, , 179-195.		5
15	Paraffin and other petroleum waxes in the southern North Sea. <i>Marine Pollution Bulletin</i> , 2021, 162, 111807.	2.3	5