

Martin G J Lder

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.

27
papers

2,341
citations

14
h-index

28
g-index

28
ext. papers

3,229
ext. citations

6.9
avg, IF

5.75
L-index

#	Paper	IF	Citations
27	Identification of microplastic in effluents of waste water treatment plants using focal plane array-based micro-Fourier-transform infrared imaging. <i>Water Research</i> , 2017 , 108, 365-372	12.5	652
26	Organic fertilizer as a vehicle for the entry of microplastic into the environment. <i>Science Advances</i> , 2018 , 4, eaap8060	14.3	322
25	Identification and quantification of macro- and microplastics on an agricultural farmland. <i>Scientific Reports</i> , 2018 , 8, 17950	4.9	251
24	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science & Technology</i> , 2017 , 51, 14283-14292	10.3	225
23	Methodology Used for the Detection and Identification of Microplastics. <i>Critical Appraisal</i> 2015 , 201-227		169
22	Identification of microplastics by FTIR and Raman microscopy: a novel silicon filter substrate opens the important spectral range below 1300 cm^{-1} for FTIR transmission measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6791-801	4.4	147
21	Finding Microplastics in Soils: A Review of Analytical Methods. <i>Environmental Science & Technology</i> , 2020 , 54, 2078-2090	10.3	137
20	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
19	Effects of microplastic particles and leaching additive on the life history and morphology of <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2019 , 255, 113233	9.3	73
18	Occurrence of microplastics in the hyporheic zone of rivers. <i>Scientific Reports</i> , 2019 , 9, 15256	4.9	64
17	A methodology for the fast identification and monitoring of microplastics in environmental samples using random decision forest classifiers. <i>Analytical Methods</i> , 2019 , 11, 2277-2285	3.2	48
16	Analysis of microplastics of a broad size range in commercially important mussels by combining FTIR and Raman spectroscopy approaches. <i>Environmental Pollution</i> , 2021 , 269, 116147	9.3	32
15	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science & Technology</i> , 2021 , 55, 7930-7938	10.3	23
14	Low CO ₂ Sensitivity of Microzooplankton Communities in the Gullmar Fjord, Skagerrak: Evidence from a Long-Term Mesocosm Study. <i>PLoS ONE</i> , 2016 , 11, e0165800	3.7	15
13	Microplastic Contamination in Freshwater Systems: Methodological Challenges, Occurrence and Sources 2018 , 51-93		14
12	Tackling the Challenge of Extracting Microplastics from Soils: A Protocol to Purify Soil Samples for Spectroscopic Analysis. <i>Environmental Toxicology and Chemistry</i> , 2021 ,	3.8	11
11	Pitfalls and Limitations in Microplastic Analyses. <i>Handbook of Environmental Chemistry</i> , 2020 , 1	0.8	10

10	Computer-Assisted Analysis of Microplastics in Environmental Samples Based on FTIR Imaging in Combination with Machine Learning.. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 90-95	11	9
9	Structural Diversity in Early-Stage Biofilm Formation on Microplastics Depends on Environmental Medium and Polymer Properties. <i>Water (Switzerland)</i> , 2020 , 12, 3216	3	6
8	Tracing the horizontal transport of microplastics on rough surfaces. <i>Microplastics and Nanoplastics</i> , 2021 , 1,		4
7	Airborne microplastic concentrations and deposition across the Weser River catchment. <i>Science of the Total Environment</i> , 2021 , 151812	10.2	2
6	From sieve to microscope: An efficient technique for sample transfer in the process of microplastics quantification. <i>MethodsX</i> , 2021 , 8, 101341	1.9	2
5	Microplastic contamination of the drilling bivalve <i>Hyatella arctica</i> in Arctic rhodolith beds. <i>Scientific Reports</i> , 2021 , 11, 14574	4.9	2
4	Classification of target tissues of <i>Eisenia fetida</i> using sequential multimodal chemical analysis and machine learning. <i>Histochemistry and Cell Biology</i> , 2021 , 1	2.4	1
3	Microplastic sample purification methods - Assessing detrimental effects of purification procedures on specific plastic types.. <i>Science of the Total Environment</i> , 2022 , 154824	10.2	1
2	Prokaryotic and Eukaryotic Communities on Microplastic Particles in a Small Headwater Stream in Germany.. <i>Frontiers in Microbiology</i> , 2021 , 12, 660024	5.7	0
1	Flooding frequency and floodplain topography determine abundance of microplastics in an alluvial Rhine soil.. <i>Science of the Total Environment</i> , 2022 , 155141	10.2	0