

Martin G J Lãnder

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,270
citations

430442

18
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

3432
citing authors

#	ARTICLE	IF	CITATIONS
1	Tackling the Challenge of Extracting Microplastics from Soils: A Protocol to Purify Soil Samples for Spectroscopic Analysis. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 844-857.	2.2	49
2	Classification of target tissues of <i>Eisenia fetida</i> using sequential multimodal chemical analysis and machine learning. <i>Histochemistry and Cell Biology</i> , 2022, 157, 127-137.	0.8	6
3	Airborne microplastic concentrations and deposition across the Weser River catchment. <i>Science of the Total Environment</i> , 2022, 818, 151812.	3.9	47
4	Computer-Assisted Analysis of Microplastics in Environmental Samples Based on μ FTIR Imaging in Combination with Machine Learning. <i>Environmental Science and Technology Letters</i> , 2022, 9, 90-95.	3.9	41
5	Microplastic sample purification methods - Assessing detrimental effects of purification procedures on specific plastic types. <i>Science of the Total Environment</i> , 2022, 833, 154824.	3.9	33
6	Flooding frequency and floodplain topography determine abundance of microplastics in an alluvial Rhine soil. <i>Science of the Total Environment</i> , 2022, 836, 155141.	3.9	19
7	Municipal biowaste treatment plants contribute to the contamination of the environment with residues of biodegradable plastics with putative higher persistence potential. <i>Scientific Reports</i> , 2022, 12, .	1.6	18
8	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.	3.7	64
9	From sieve to microscope: An efficient technique for sample transfer in the process of microplasticsâ€™ quantification. <i>MethodsX</i> , 2021, 8, 101341.	0.7	15
10	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science & Technology</i> , 2021, 55, 7930-7938.	4.6	94
11	Microplastic contamination of the drilling bivalve <i>Hiatella arctica</i> in Arctic rhodolith beds. <i>Scientific Reports</i> , 2021, 11, 14574.	1.6	16
12	Tracing the horizontal transport of microplastics on rough surfaces. <i>Microplastics and Nanoplastics</i> , 2021, 1, .	4.1	16
13	In situ Prokaryotic and Eukaryotic Communities on Microplastic Particles in a Small Headwater Stream in Germany. <i>Frontiers in Microbiology</i> , 2021, 12, 660024.	1.5	12
14	Structural Diversity in Early-Stage Biofilm Formation on Microplastics Depends on Environmental Medium and Polymer Properties. <i>Water (Switzerland)</i> , 2020, 12, 3216.	1.2	29
15	Pitfalls and Limitations in Microplastic Analyses. <i>Handbook of Environmental Chemistry</i> , 2020, , 13-42.	0.2	13
16	Finding Microplastics in Soils: A Review of Analytical Methods. <i>Environmental Science & Technology</i> , 2020, 54, 2078-2090.	4.6	288
17	Occurrence of microplastics in the hyporheic zone of rivers. <i>Scientific Reports</i> , 2019, 9, 15256.	1.6	136
18	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.	3.7	138

#	ARTICLE	IF	CITATIONS
19	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
20	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.	1.3	83
21	Organic fertilizer as a vehicle for the entry of microplastic into the environment. <i>Science Advances</i> , 2018, 4, eaap8060.	4.7	617
22	Identification and quantification of macro- and microplastics on an agricultural farmland. <i>Scientific Reports</i> , 2018, 8, 17950.	1.6	470
23	Microplastic Contamination in Freshwater Systems: Methodological Challenges, Occurrence and Sources. , 2018, , 51-93.		23
24	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science & Technology</i> , 2017, 51, 14283-14292.	4.6	338
25	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.	5.3	1,002
26	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.	1.1	20
27	Methodology Used for the Detection and Identification of Microplastics—A Critical Appraisal. , 2015, , 201-227.		278
28	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, 6791-6801.	1.9	215