Ulrike Braun

List of Publications by Year
in descending order

39 papers	3,433 citations	279487 23 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	2716 citing authors

#	Article	IF	Citations
1	Determination of tire wear markers in soil samples and their distribution in a roadside soil. Chemosphere, 2022, 294, 133653.	4.2	30
2	Development of a Routine Screening Method for the Microplastic Mass Content in a Wastewater Treatment Plant Effluent. Frontiers in Environmental Chemistry, 2022, 3, .	0.7	8
3	Microplastics in the Danube River Basin: A First Comprehensive Screening with a Harmonized Analytical Approach. ACS ES&T Water, 2022, 2, 1174-1181.	2.3	20
4	Comprehensive Characterization of APTES Surface Modifications of Hydrous Boehmite Nanoparticles. Langmuir, 2021, 37, 171-179.	1.6	25
5	Smart filters for the analysis of microplastic in beverages filled in plastic bottles. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 691-700.	1.1	9
6	The impact of water released from boehmite nanoparticles during curing in epoxyâ€based nanocomposites. Journal of Applied Polymer Science, 2021, 138, 51006.	1.3	3
7	Characterization of tire and road wear particles from road runoff indicates highly dynamic particle properties. Water Research, 2020, 185, 116262.	5.3	68
8	Exploratory analysis of hyperspectral FTIR data obtained from environmental microplastics samples. Analytical Methods, 2020, 12, 781-791.	1.3	38
9	Quantification of microplastics in a freshwater suspended organic matter using different thermoanalytical methods â€“ outcome of an interlaboratory comparison. Journal of Analytical and Applied Pyrolysis, 2020, 148, 104829.	2.6	57
10	Specific adsorption sites and conditions derived by thermal decomposition of activated carbons and adsorbed carbamazepine. Scientific Reports, 2020, 10, 6695.	1.6	11
11	Microplastic analysis using chemical extraction followed by LC-UV analysis: a straightforward approach to determine PET content in environmental samples. Environmental Sciences Europe, 2020, 32, .	2.6	33
12	High-throughput NIR spectroscopic (NIRS) detection of microplastics in soil. Environmental Science and Pollution Research, 2019, 26, 7364-7374.	2.7	101
13	Tire and road wear particles in road environment â€“ Quantification and assessment of particle dynamics by Zn determination after density separation. Chemosphere, 2019, 222, 714-721.	4.2	149
14	Boehmite Nanofillers in Epoxy Oligosiloxane Resins: Influencing the Curing Process by Complex Physical and Chemical Interactions. Materials, 2019, 12, 1513.	1.3	6
15	Development and testing of a fractionated filtration for sampling of microplastics in water. Water Research, 2019, 149, 650-658.	5.3	65
16	Quantification and characterisation of activated carbon in activated sludge by thermogravimetric and evolved gas analyses. Journal of Environmental Chemical Engineering, 2018, 6, 2222-2231.	3.3	16
17	Two Birds with One Stoneâ€"Fast and Simultaneous Analysis of Microplastics: Microparticles Derived from Thermoplastics and Tire Wear. Environmental Science and Technology Letters, 2018, 5, 608-613.	3.9	165
18	The effect of polymer aging on the uptake of fuel aromatics and ethers by microplastics. Environmental Pollution, 2018, 240, 639-646.	3.7	203

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19	Fast identification of microplastics in complex environmental samples by a thermal degradation method. Chemosphere, 2017, 174, 572-584.	4.2	421
20	Cure conversion of structural epoxies by cure state analysis and in situ cure kinetics using nondestructive NIR spectroscopy. Thermochimica Acta, 2017, 650, 8-17.	1.2	20
21	Comparison of different methods for MP detection: What can we learn from them, and why asking the right question before measurements matters?. Environmental Pollution, 2017, 231, 1256-1264.	3.7	254
22	Polyurethane versus silicone catheters for central venous port devices implanted at the forearm. European Journal of Cancer, 2016, 59, 113-124.	1.3	62
23	Mechanic and surface properties of central-venous port catheters after removal: A comparison of polyurethane and silicon rubber materials. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 281-291.	1.5	38
24	Sulphurous additives for polystyrene: Influencing decomposition behavior in the condensed phase. Journal of Applied Polymer Science, 2015, 132, .	1.3	8
25	Analysis of polyethylene microplastics in environmental samples, using a thermal decomposition method. Water Research, 2015, 85, 451-457.	5.3	323
26	Polyglycerol coated polypropylene surfaces for protein and bacteria resistance. Polymer Chemistry, 2015, 6, 1350-1359.	1.9	45
27	Cure monitoring of epoxy films by heatable <i>in situ</i> FTIR analysis: correlation to composite parts. Journal of Applied Polymer Science, 2014, 131, .	1.3	12
28	Different aspects of the accelerated oxidation of polypropylene at increased pressure in an autoclave with regard to temperature, pretreatment and exposure media. Polymer Testing, 2014, 37, 102-111.	2.3	11
29	Flame retardancy of glass fiber reinforced high temperature polyamide by use of aluminum diethylphosphinate: thermal and thermo-oxidative effects. Polymer International, 2013, 62, n/a-n/a.	1.6	20
30	Burning behavior of wood-plastic composite decking boards in end-use conditions: the effects of geometry, material composition, and moisture. Journal of Fire Sciences, 2012, 30, 41-54.	0.9	15
31	Macromol. Chem. Phys. 22/2012. Macromolecular Chemistry and Physics, 2012, 213, 2436-2436.	1.1	0
32	Residue Stabilization in the Fire Retardancy of Woodâ€“Plastic Composites: Combination of Ammonium Polyphosphate, Expandable Graphite, and Red Phosphorus. Macromolecular Chemistry and Physics, 2012, 213, 2370-2377.	1.1	64
33	A New Flame Retardant for Wood Materials Tested in Woodâ€Plastic Composites. Macromolecular Materials and Engineering, 2012, 297, 814-820.	1.7	43
34	Investigation of the Durability of Poly(Ether Urethane) in Water and Air. International Journal of Artificial Organs, 2011, 34, 129-133.	0.7	8
35	Flame retardancy mechanisms of metal phosphinates and metal phosphinates in combination with melamine cyanurate in glassâ€fiber reinforced poly(1,4â€butylene terephthalate): the influence of metal cation. Polymers for Advanced Technologies, 2008, 19, 680-692.	1.6	171
36	Flame Retardancy Mechanisms of Aluminium Phosphinate in Combination with Melamine Cyanurate in Glassâ€Fibreâ€Reinforced Poly(1,4â€butylene terephthalate). Macromolecular Materials and Engineering, 2008, 293, 206-217.	1.7	198

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37	Flame retardancy mechanisms of aluminium phosphinate in combination with melamine polyphosphate and zinc borate in glass-fibre reinforced polyamide 6,6. Polymer Degradation and Stability, 2007, 92, 1528-1545.	2.7	454
38	Effect of Red Phosphorus and Melamine Polyphosphate on the Fire Behavior of HIPS. Journal of Fire Sciences, 2005, 23, 5-30.	0.9	74
39	Flame Retardant Mechanisms of Red Phosphorus and Magnesium Hydroxide in High Impact Polystyrene. Macromolecular Chemistry and Physics, 2004, 205, 2185-2196.	1.1	185