

# Martin Wagner

## 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.

65 papers	4,849 citations	31 h-index	69 g-index
80 ext. papers	6,537 ext. citations	9.7 avg, IF	6.45 L-index

#	Paper	IF	Citations
65	Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1039-1047	10.3	638
64	Microplastics in freshwater ecosystems: what we know and what we need to know. <i>Environmental Sciences Europe</i> , <b>2014</b> , 26, 12	5	636
63	Characterisation of nanoplastics during the degradation of polystyrene. <i>Chemosphere</i> , <b>2016</b> , 145, 265-8	8.4	461
62	Environmental performance of bio-based and biodegradable plastics: the road ahead. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6855-6871	58.5	316
61	Endocrine disruptors in bottled mineral water: total estrogenic burden and migration from plastic bottles. <i>Environmental Science and Pollution Research</i> , <b>2009</b> , 16, 278-86	5.1	230
60	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 110, 375-392	14.6	221
59	Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. <i>Scientific Reports</i> , <b>2017</b> , 7, 17006	4.9	165
58	Formation of microscopic particles during the degradation of different polymers. <i>Chemosphere</i> , <b>2016</b> , 161, 510-517	8.4	154
57	PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate <i>Gammarus pulex</i> . <i>Environmental Pollution</i> , <b>2018</b> , 234, 181-189	9.3	123
56	Ecotoxicity testing of microplastics: Considering the heterogeneity of physicochemical properties. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 470-475	2.5	122
55	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11467-11477	10.3	120
54	Endocrine modulation and toxic effects of two commonly used UV screens on the aquatic invertebrates <i>Potamopyrgus antipodarum</i> and <i>Lumbriculus variegatus</i> . <i>Environmental Pollution</i> , <b>2008</b> , 152, 322-9	9.3	105
53	Ozonation and activated carbon treatment of sewage effluents: removal of endocrine activity and cytotoxicity. <i>Water Research</i> , <b>2011</b> , 45, 1015-24	12.5	99
52	Comparative assessment of microplastics in water and sediment of a large European river. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139866	10.2	89
51	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase - Degradation of compounds does not always eliminate toxicity. <i>Bioresource Technology</i> , <b>2016</b> , 219, 500-509	11	86
50	Endocrine disruptors in bottled mineral water: estrogenic activity in the E-Screen. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2011</b> , 127, 128-35	5.1	78
49	When Fluorescence Is not a Particle: The Tissue Translocation of Microplastics in <i>Daphnia magna</i> Seems an Artifact. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 1495-1503	3.8	77

48	Microplastics Are Contaminants of Emerging Concern in Freshwater Environments: An Overview. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 1-23	0.8	77
47	What are the drivers of microplastic toxicity? Comparing the toxicity of plastic chemicals and particles to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , <b>2020</b> , 267, 115392	9.3	70
46	Are bioplastics and plant-based materials safer than conventional plastics? In vitro toxicity and chemical composition. <i>Environment International</i> , <b>2020</b> , 145, 106066	12.9	69
45	Systematic Review of Toxicity Removal by Advanced Wastewater Treatment Technologies via Ozonation and Activated Carbon. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 7215-7233	10.3	57
44	Removal of Endocrine Disrupting Chemicals in Wastewater by Enzymatic Treatment with Fungal Laccases. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 480-491	3.9	52
43	Impacts of food contact chemicals on human health: a consensus statement. <i>Environmental Health</i> , <b>2020</b> , 19, 25	6	50
42	Biomonitoring of metal contamination in a marine prosobranch snail ( <i>Nassarius reticulatus</i> ) by imaging laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Talanta</i> , <b>2009</b> , 80, 428-33	6.2	46
41	Superficial or Substantial: Why Care about Microplastics in the Anthropocene?. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 3336-3337	10.3	41
40	Interactions of Microplastics with Freshwater Biota. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 153-180.	0.8	40
39	Migration of plasticisers from Tritan and polycarbonate bottles and toxicological evaluation. <i>Food Chemistry</i> , <b>2013</b> , 141, 373-80	8.5	40
38	Estrogens in the daily diet: in vitro analysis indicates that estrogenic activity is omnipresent in foodstuff and infant formula. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 2681-8	4.7	39
37	Systematically Controlled Decomposition Mechanism in Phosphorus Flame Retardants by Precise Molecular Architecture: P <sub>10</sub> vs P <sub>11</sub> . <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1118-1128	4.3	36
36	On the Creation of Risk: Framing of Microplastics Risks in Science and Media. <i>Global Challenges</i> , <b>2020</b> , 4, 1900010	4.3	33
35	Advancing Biological Wastewater Treatment: Extended Anaerobic Conditions Enhance the Removal of Endocrine and Dioxin-like Activities. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10606-10615	10.3	32
34	Extended anaerobic conditions in the biological wastewater treatment: Higher reduction of toxicity compared to target organic micropollutants. <i>Water Research</i> , <b>2017</b> , 116, 220-230	12.5	30
33	Microplastics but not natural particles induce multigenerational effects in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , <b>2020</b> , 260, 113904	9.3	30
32	Toxicity of microplastics and natural particles in the freshwater dipteran <i>Chironomus riparius</i> : Same same but different?. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134604	10.2	29
31	Identification of putative steroid receptor antagonists in bottled water: combining bioassays and high-resolution mass spectrometry. <i>PLoS ONE</i> , <b>2013</b> , 8, e72472	3.7	28

30	What you extract is what you see: Optimising the preparation of water and wastewater samples for in vitro bioassays. <i>Water Research</i> , <b>2019</b> , 152, 47-60	12.5	26
29	Effectivity of advanced wastewater treatment: reduction of in vitro endocrine activity and mutagenicity but not of in vivo reproductive toxicity. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 3965-3976	5.1	25
28	(Anti-)estrogenic and (anti-)androgenic effects in wastewater during advanced treatment: comparison of three in vitro bioassays. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 4094-4104	5.1	22
27	Microplastics in the Environment: Much Ado about Nothing? A Debate. <i>Global Challenges</i> , <b>2020</b> , 4, 1900023	4.3	22
26	Ingestion and toxicity of microplastics in the freshwater gastropod <i>Lymnaea stagnalis</i> : No microplastic-induced effects alone or in combination with copper. <i>Chemosphere</i> , <b>2021</b> , 263, 128040	8.4	21
25	Effect-directed identification of endocrine disruptors in plastic baby teethers. <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 1254-61	4.1	19
24	Deriving bio-equivalents from in vitro bioassays: assessment of existing uncertainties and strategies to improve accuracy and reporting. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 1906-17	3.8	19
23	Plastic Products Leach Chemicals That Induce Toxicity under Realistic Use Conditions. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 11814-11823	10.3	17
22	Combined effects of polystyrene microplastics and thermal stress on the freshwater mussel <i>Dreissena polymorpha</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 718, 137253	10.2	15
21	Ecotoxicological impacts of surface water and wastewater from conventional and advanced treatment technologies on brood size, larval length, and cytochrome P450 (35A3) expression in <i>Caenorhabditis elegans</i> . <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 13868-13880	5.1	15
20	Global Plastic Pollution Observation System to Aid Policy. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7770-7775	10.3	15
19	Response to the Letter to the Editor Regarding Our Feature "Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris". <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4678-4679	10.3	12
18	Incubation in Wastewater Reduces the Multigenerational Effects of Microplastics in. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 2491-2499	10.3	11
17	Phenotypic and epigenetic effects of vinclozolin in the gastropod <i>Physella acuta</i> . <i>Journal of Molluscan Studies</i> , <b>2016</b> , 82, 320-327	1.1	9
16	Hyperspectral imaging as an emerging tool to analyze microplastics: A systematic review and recommendations for future development. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		8
15	Endocrine Disruption and In Vitro Ecotoxicology: Recent Advances and Approaches. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2017</b> , 157, 1-58	1.7	5
14	Ingestion and Toxicity of Polystyrene Microplastics in Freshwater Bivalves. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 2247-2260	3.8	5
13	Microplastics in the environment: Much ado about nothing? A debate		4

12	Post-treatment of ozonated wastewater with activated carbon and biofiltration compared to membrane bioreactors: Toxicity removal in vitro and in <i>Potamopyrgus antipodarum</i> . <i>Water Research</i> , <b>2020</b> , 185, 116104	12.5	4
11	Moving forward in microplastic research: A Norwegian perspective. <i>Environment International</i> , <b>2021</b> , 157, 106794	12.9	4
10	Nanoplastics affect the inflammatory cytokine release by primary human monocytes and dendritic cells.. <i>Environment International</i> , <b>2022</b> , 163, 107173	12.9	4
9	A global plastic treaty must cap production.. <i>Science</i> , <b>2022</b> , 376, 469-470	33.3	4
8	Exploring the effects of microplastics in freshwater environments. <i>Integrated Environmental Assessment and Management</i> , <b>2016</b> , 12, 404-5	2.5	3
7	Letter to the Editor and Response Jan 2013. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2013</b> , 12, 1-4	16.4	3
6	Mikroplastik in Binnengewässern <b>2017</b> , 1-35		3
5	Adipogenic Activity of Chemicals Used in Plastic Consumer Products.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	3
4	A Children's Health Perspective on Nano- and Microplastics.. <i>Environmental Health Perspectives</i> , <b>2022</b> , 130, 15001	8.4	2
3	Endocrine disruptors in bottled mineral water: estrogenic activity in the E-Screen. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2011</b> , 127, 136-8	5.1	1
2	Adipogenic activity of chemicals used in plastic consumer products		1
1	Solutions to Plastic Pollution: A Conceptual Framework to Tackle a Wicked Problem. <i>Environmental Contamination Remediation and Management</i> , <b>2022</b> , 333-352		0