Martin Wagner

List of Publications by Year in Descending Order

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	A Children's Health Perspective on Nano- and Microplastics.. *Environmental Health Perspectives*, **2022**, 130, 15001	8.4	2
64	Adipogenic Activity of Chemicals Used in Plastic Consumer Products.. *Environmental Science & Technology*, **2022**,	10.3	3
63	Solutions to Plastic Pollution: A Conceptual Framework to Tackle a Wicked Problem. *Environmental Contamination Remediation and Management*, **2022**, 333-352		0
62	Nanoplastics affect the inflammatory cytokine release by primary human monocytes and dendritic cells.. *Environment International*, **2022**, 163, 107173	12.9	4
61	A global plastic treaty must cap production.. *Science*, **2022**, 376, 469-470	33.3	4
60	Global Plastic Pollution Observation System to Aid Policy. *Environmental Science & Technology*, **2021**, 55, 7770-7775	10.3	15
59	Ingestion and Toxicity of Polystyrene Microplastics in Freshwater Bivalves. *Environmental Toxicology and Chemistry*, **2021**, 40, 2247-2260	3.8	5
58	Ingestion and toxicity of microplastics in the freshwater gastropod Lymnaea stagnalis: No microplastic-induced effects alone or in combination with copper. *Chemosphere*, **2021**, 263, 128040	8.4	21
57	Incubation in Wastewater Reduces the Multigenerational Effects of Microplastics in. *Environmental Science & Technology*, **2021**, 55, 2491-2499	10.3	11
56	Hyperspectral imaging as an emerging tool to analyze microplastics: A systematic review and recommendations for future development. *Microplastics and Nanoplastics*, **2021**, 1,		8
55	Plastic Products Leach Chemicals That Induce Toxicity under Realistic Use Conditions. *Environmental Science & Technology*, **2021**, 55, 11814-11823	10.3	17
54	Moving forward in microplastic research: A Norwegian perspective. *Environment International*, **2021** , 157, 106794	12.9	4
53	Comparative assessment of microplastics in water and sediment of a large European river. *Science of the Total Environment*, **2020**, 738, 139866	10.2	89
52	Impacts of food contact chemicals on human health: a consensus statement. *Environmental Health*, **2020**, 19, 25	6	50
51	Combined effects of polystyrene microplastics and thermal stress on the freshwater mussel Dreissena polymorpha. *Science of the Total Environment*, **2020**, 718, 137253	10.2	15
50	On the Creation of Risk: Framing of Microplastics Risks in Science and Media. *Global Challenges*, **2020**, 4, 1900010	4.3	33
49	Microplastics but not natural particles induce multigenerational effects in Daphnia magna. *Environmental Pollution*, **2020**, 260, 113904	9.3	30

48	Toxicity of microplastics and natural particles in the freshwater dipteran Chironomus riparius: Same same but different?. *Science of the Total Environment*, **2020**, 711, 134604	10.2	29
47	Are bioplastics and plant-based materials safer than conventional plastics? In vitro toxicity and chemical composition. *Environment International*, **2020**, 145, 106066	12.9	69
46	What are the drivers of microplastic toxicity? Comparing the toxicity of plastic chemicals and particles to Daphnia magna. *Environmental Pollution*, **2020**, 267, 115392	9.3	70
45	Post-treatment of ozonated wastewater with activated carbon and biofiltration compared to membrane bioreactors: Toxicity removal in vitro and in Potamopyrgus antipodarum. *Water Research*, **2020**, 185, 116104	12.5	4
44	Microplastics in the Environment: Much Ado about Nothing? A Debate. *Global Challenges*, **2020**, 4, 1900023	4.3	22
43	Systematic Review of Toxicity Removal by Advanced Wastewater Treatment Technologies via Ozonation and Activated Carbon. *Environmental Science & Technology*, **2019**, 53, 7215-7233	10.3	57
42	When Fluorescence Is not a Particle: The Tissue Translocation of Microplastics in Daphnia magna Seems an Artifact. *Environmental Toxicology and Chemistry*, **2019**, 38, 1495-1503	3.8	77
41	Systematically Controlled Decomposition Mechanism in Phosphorus Flame Retardants by Precise Molecular Architecture: P vs P. *ACS Applied Polymer Materials*, **2019**, 1, 1118-1128	4.3	36
40	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". *Environmental Science & Technology*, **2019**, 53, 4678-4679	10.3	12
39	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. *Environmental Science & Technology*, **2019**, 53, 11467-11477	10.3	120
38	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 375-392	14.6	221
37	What you extract is what you see: Optimising the preparation of water and wastewater samples for in vitro bioassays. *Water Research*, **2019**, 152, 47-60	12.5	26
36	Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris. *Environmental Science & Technology*, **2019**, 53, 1039-1047	10.3	638
35	Ecotoxicological impacts of surface water and wastewater from conventional and advanced treatment technologies on brood size, larval length, and cytochrome P450 (35A3) expression in Caenorhabditis elegans. *Environmental Science and Pollution Research*, **2018**, 25, 13868-13880	5.1	15
34	Superficial or Substantial: Why Care about Microplastics in the Anthropocene?. *Environmental Science & Technology*, **2018**, 52, 3336-3337	10.3	41
33	Interactions of Microplastics with Freshwater Biota. *Handbook of Environmental Chemistry*, **2018**, 153-180	0.8	40
32	(Anti-)estrogenic and (anti-)androgenic effects in wastewater during advanced treatment: comparison of three in vitro bioassays. *Environmental Science and Pollution Research*, **2018**, 25, 4094-4104	5.1	22
31	Effectivity of advanced wastewater treatment: reduction of in vitro endocrine activity and mutagenicity but not of in vivo reproductive toxicity. *Environmental Science and Pollution Research*, **2018**, 25, 3965-3976	5.1	25

30	PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate Gammarus pulex. *Environmental Pollution*, **2018**, 234, 181-189	9.3	123
29	Microplastics Are Contaminants of Emerging Concern in Freshwater Environments: An Overview. *Handbook of Environmental Chemistry*, **2018**, 1-23	0.8	77
28	Endocrine Disruption and In Vitro Ecotoxicology: Recent Advances and Approaches. *Advances in Biochemical Engineering/Biotechnology*, **2017**, 157, 1-58	1.7	5
27	Ecotoxicity testing of microplastics: Considering the heterogeneity of physicochemical properties. *Integrated Environmental Assessment and Management*, **2017**, 13, 470-475	2.5	122
26	Removal of Endocrine Disrupting Chemicals in Wastewater by Enzymatic Treatment with Fungal Laccases. *Organic Process Research and Development*, **2017**, 21, 480-491	3.9	52
25	Extended anaerobic conditions in the biological wastewater treatment: Higher reduction of toxicity compared to target organic micropollutants. *Water Research*, **2017**, 116, 220-230	12.5	30
24	Environmental performance of bio-based and biodegradable plastics: the road ahead. *Chemical Society Reviews*, **2017**, 46, 6855-6871	58.5	316
23	Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. *Scientific Reports*, **2017**, 7, 17006	4.9	165
22	Mikroplastik in Binnengewässern **2017**, 1-35		3
21	Phenotypic and epigenetic effects of vinclozolin in the gastropodPhysella acuta. *Journal of Molluscan Studies*, **2016**, 82, 320-327	1.1	9
20	Exploring the effects of microplastics in freshwater environments. *Integrated Environmental Assessment and Management*, **2016**, 12, 404-5	2.5	3
19	Advancing Biological Wastewater Treatment: Extended Anaerobic Conditions Enhance the Removal of Endocrine and Dioxin-like Activities. *Environmental Science & Technology*, **2016**, 50, 10606-10615	10.3	32
18	Characterisation of nanoplastics during the degradation of polystyrene. *Chemosphere*, **2016**, 145, 265-8	8.4	461
17	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase - Degradation of compounds does not always eliminate toxicity. *Bioresource Technology*, **2016**, 219, 500-509	11	86
16	Formation of microscopic particles during the degradation of different polymers. *Chemosphere*, **2016**, 161, 510-517	8.4	154
15	Effect-directed identification of endocrine disruptors in plastic baby teethers. *Journal of Applied Toxicology*, **2015**, 35, 1254-61	4.1	19
14	Microplastics in freshwater ecosystems: what we know and what we need to know. *Environmental Sciences Europe*, **2014**, 26, 12	5	636
13	Migration of plasticisers from Tritan and polycarbonate bottles and toxicological evaluation. *Food Chemistry*, **2013**, 141, 373-80	8.5	40

12	Letter to the Editor and Response Jan 2013. *Comprehensive Reviews in Food Science and Food Safety* , **2013**, 12, 1-4	16.4	3
11	Deriving bio-equivalents from in vitro bioassays: assessment of existing uncertainties and strategies to improve accuracy and reporting. *Environmental Toxicology and Chemistry*, **2013**, 32, 1906-17	3.8	19
10	Identification of putative steroid receptor antagonists in bottled water: combining bioassays and high-resolution mass spectrometry. *PLoS ONE*, **2013**, 8, e72472	3.7	28
9	Estrogens in the daily diet: in vitro analysis indicates that estrogenic activity is omnipresent in foodstuff and infant formula. *Food and Chemical Toxicology*, **2011**, 49, 2681-8	4.7	39
8	Endocrine disruptors in bottled mineral water: estrogenic activity in the E-Screen. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 127, 128-35	5.1	78
7	Endocrine disruptors in bottled mineral water: estrogenic activity in the E-Screen. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 127, 136-8	5.1	1
6	Ozonation and activated carbon treatment of sewage effluents: removal of endocrine activity and cytotoxicity. *Water Research*, **2011**, 45, 1015-24	12.5	99
5	Endocrine disruptors in bottled mineral water: total estrogenic burden and migration from plastic bottles. *Environmental Science and Pollution Research*, **2009**, 16, 278-86	5.1	230
4	Biomonitoring of metal contamination in a marine prosobranch snail (Nassarius reticulatus) by imaging laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). *Talanta*, **2009**, 80, 428-33	6.2	46
3	Endocrine modulation and toxic effects of two commonly used UV screens on the aquatic invertebrates Potamopyrgus antipodarum and Lumbriculus variegatus. *Environmental Pollution*, **2008**, 152, 322-9	9.3	105
2	Microplastics in the environment: Much ado about nothing? A debate		4
1	Adipogenic activity of chemicals used in plastic consumer products		1