

# Deep Dive into Plastic Monomers, Additives, and Processes

Environmental Science & Technology

55, 9339-9351

DOI: [10.1021/acs.est.1c00976](https://doi.org/10.1021/acs.est.1c00976)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Critical Importance of Adopting Whole-of-Life Strategies for Polymers and Plastics. Sustainability, 2021, 13, 8218.	3.2	10
3	A Review of Human Exposure to Microplastics and Insights Into Microplastics as Obesogens. Frontiers in Endocrinology, 2021, 12, 724989.	3.5	170
5	Organic pollutants in deep sea: Occurrence, fate, and ecological implications. Water Research, 2021, 205, 117658.	11.3	30
6	Digital Product Passports as Enabler of the Circular Economy. Chemie-Ingenieur-Technik, 2021, 93, 1717-1727.	0.8	41
7	Size characterization and detection of aerosolized nanoplastics originating from evaporated thermoplastics. Aerosol Science and Technology, 2022, 56, 176-185.	3.1	4
8	Widespread occurrence of phthalate and non-phthalate plasticizers in single-use facemasks collected in the United States. Environment International, 2022, 158, 106967.	10.0	23
9	Chemical characteristics and toxicological effects of leachates from plastics under simulated seawater and fish digest. Water Research, 2022, 209, 117892.	11.3	14
10	Buy now, pay later: Hazards to human and planetary health from plastics production, use and waste. Journal of Paediatrics and Child Health, 2021, 57, 1795-1804.	0.8	10
11	Co-combustion, life-cycle circularity, and artificial intelligence-based multi-objective optimization of two plastics and textile dyeing sludge. Journal of Hazardous Materials, 2022, 426, 128069.	12.4	53
12	Chemistry and materials science for a sustainable circular polymeric economy. Nature Reviews Materials, 2022, 7, 76-78.	48.7	24
13	The global plastic waste challenge and how we can address it. Clean Technologies and Environmental Policy, 2022, 24, 729-730.	4.1	7
14	Risk assessment of microplastic particles. Nature Reviews Materials, 2022, 7, 138-152.	48.7	306
15	A Children's Health Perspective on Nano- and Microplastics. Environmental Health Perspectives, 2022, 130, 15001.	6.0	34
16	Microbiome Development of Seawater-Incubated Pre-production Plastic Pellets Reveals Distinct and Predictive Community Compositions. Frontiers in Marine Science, 2022, 8, .	2.5	10
17	Monitoring of phenolic endocrine disrupting chemicals by direct acetylation method: Pollution status in Tokyo rivers in 2016–2019 and estimation of their sources. Environmental Monitoring and Contaminants Research, 2022, 2, 1-13.	0.9	0
18	Adipogenic Activity of Chemicals Used in Plastic Consumer Products. Environmental Science & Technology, 2022, 56, 2487-2496.	10.0	27
20	Linear solvation energy relationships (LSERs) for robust prediction of partition coefficients between low density polyethylene and water. Part II: Model evaluation and benchmarking. European Journal of Pharmaceutical Sciences, 2022, 172, 106138.	4.0	3
22	Limited utilization options for secondary plastics may restrict their circularity. Waste Management, 2022, 141, 251-270.	7.4	24

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23	Enhancing Scientific Support for the Stockholm Convention's Implementation: An Analysis of Policy Needs for Scientific Evidence. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2936-2949.	10.0	25
25	The past, present, and future of plastic pollution. <i>Marine Pollution Bulletin</i> , 2022, 176, 113429.	5.0	79
26	A review of current challenges and legal advances in the global management of plastic waste. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 731-738.	4.1	12
27	A high-resolution dataset on the plastic material flows in Switzerland. <i>Data in Brief</i> , 2022, 41, 108001.	1.0	6
28	Understanding health effects pathways and thresholds: filling a critical need to support microplastics management. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	8.8	5
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30	Learning from natural sediments to tackle microplastics challenges: A multidisciplinary perspective. <i>Earth-Science Reviews</i> , 2022, 228, 104021.	9.1	62
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32	An effect factor approach for quantifying the impact of plastic additives on aquatic biota in life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 564-572.	4.7	5
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34	Recycling of plastic wastes generated from COVID-19: A comprehensive illustration of type and properties of plastics with remedial options. <i>Science of the Total Environment</i> , 2022, 838, 155895.	8.0	13
35	Into the Plastisphere, Where Only the Generalists Thrive: Early Insights in Plastisphere Microbial Community Succession. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	23
36	Sustainability and Polyesters: Beyond Metals and Monomers to Function and Fate. <i>Accounts of Chemical Research</i> , 2022, 55, 1514-1523.	15.6	18
37	Implementing the EU Chemicals Strategy for Sustainability: The case of food contact chemicals of concern. <i>Journal of Hazardous Materials</i> , 2022, 437, 129167.	12.4	13
38	Microplastic profusion in food and drinking water: are microplastics becoming a macroproblem?. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 992-1009.	3.5	12
39	Monitoring dioxins and PCBs in eggs as sensitive indicators for environmental pollution and global contaminated sites and recommendations for reducing and controlling releases and exposure. <i>Emerging Contaminants</i> , 2022, 8, 254-279.	4.9	16
40	Closing the Carbon Loop in the Circular Plastics Economy. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	21
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43	A fit-for-purpose categorization scheme for microplastic morphologies. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 422-435.	2.9	6
44	Calculation of Relative Solubility of Semipolar Solvents by Abraham Solvation Parameter Model for Extractables and Leachables Analysis in Chemical Characterization of Medical Devices. <i>Journal of Solution Chemistry</i> , 2022, 51, 816-837.	1.2	2
45	Bioplastics in the Sea: Rapid In-Vitro Evaluation of Degradability and Persistence at Natural Temperatures. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	8
46	Circular economy could expose children to hazardous phthalates and chlorinated paraffins via old toys and childcare articles. <i>Journal of Hazardous Materials Advances</i> , 2022, 7, 100107.	3.0	0
47	Evaluation of Retention Range of Extractables Under Linear Gradient Conditions for Reversed-Phase Chromatographic Considerations and Requirements in Extractables Analytical Methods for Chemical Characterization of Medical Devices. <i>Chromatographia</i> , 2022, 85, 755-771.	1.3	2
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57	Plastics as a carrier of chemical additives to the Arctic: possibilities for strategic monitoring across the circumpolar North. <i>Arctic Science</i> , 2023, 9, 284-296.	2.3	9
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61	Efficient removal of nano- and micro- sized plastics using a starch-based coagulant in conjunction with polysilicic acid. <i>Science of the Total Environment</i> , 2022, 850, 157829.	8.0	10

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63	Chemical profile and toxicity of the leachates from aged plastics under simulated conditions. <i>Journal of Cleaner Production</i> , 2022, 375, 134151.	9.3	5
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69	Defining the Chemical Additives Driving <i>In Vitro</i> Toxicities of Plastics. <i>Environmental Science &amp; Technology</i> , 2022, 56, 14627-14639.	10.0	15
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