

A ubiquitous tire rubber-derived chemical induces ac

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pollutants Bioavailability and Toxicological Risk from Microplastics. , 2021, , 1-40.		1
2	Presence of Microplastics in the Food Web of the Largest High-Elevation Lake in North America. <i>Water (Switzerland)</i> , 2021, 13, 264.	1.2	15
3	Acute cerebrovascular effects in juvenile coho salmon exposed to roadway runoff. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 103-109.	0.7	27
4	Release of Zinc and Polycyclic Aromatic Hydrocarbons From Tire Crumb Rubber and Toxicity of Leachate to <i>Daphnia magna</i> : Effects of Tire Source and Photoaging. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 651-656.	1.3	13
5	Invertebrate and Microbial Response to Hyporheic Restoration of an Urban Stream. <i>Water (Switzerland)</i> , 2021, 13, 481.	1.2	4
6	Two New Discoveries Showing the Human Impact on the Environment. <i>University of Toronto Journal of Undergraduate Life Sciences</i> , 2021, 15, 5.	0.2	1
7	Changes in the Community Structure of Under-Ice and Open-Water Microbiomes in Urban Lakes Exposed to Road Salts. <i>Frontiers in Microbiology</i> , 2021, 12, 660719.	1.5	17
8	Occurrence of Substituted <i>p</i> -Phenylenediamine Antioxidants in Dusts. <i>Environmental Science and Technology Letters</i> , 2021, 8, 381-385.	3.9	88
10	Loading, transport, and treatment of emerging chemical and biological contaminants of concern in stormwater. <i>Water Science and Technology</i> , 2021, 83, 2863-2885.	1.2	19
11	Urban Stormwater Runoff: A Major Pathway for Anthropogenic Particles, Black Rubbery Fragments, and Other Types of Microplastics to Urban Receiving Waters. <i>ACS ES&amp;T Water</i> , 2021, 1, 1420-1428.	2.3	126
12	A critical analysis of leaching and environmental risk assessment for reclaimed asphalt pavement management. <i>Science of the Total Environment</i> , 2021, 775, 145741.	3.9	27
13	Traffic-related microplastic particles, metals, and organic pollutants in an urban area under reconstruction. <i>Science of the Total Environment</i> , 2021, 774, 145503.	3.9	73
14	Reflections from the team: Co-creating visual media about ecological processes for young people. <i>People and Nature</i> , 2021, 3, 1272-1283.	1.7	2
15	Occurrence and Distribution of Pharmaceuticals and Their Transformation Products in Luxembourgish Surface Waters. <i>ACS Environmental Au</i> , 2021, 1, 58-70.	3.3	13
16	Metagenomic Insight of a Full Scale Eco-Friendly Treatment System of Textile Dye Wastewater Using Bioaugmentation of the Composite Culture CES-1. <i>Microorganisms</i> , 2021, 9, 1503.	1.6	7
17	Environmental risks of car tire microplastic particles and other road runoff pollutants. <i>Microplastics and Nanoplastics</i> , 2021, 1, .	4.1	43
18	The global threat from plastic pollution. <i>Science</i> , 2021, 373, 61-65.	6.0	862
19	Investigation of the Formation Mechanism and Environmental Risk of Tire Pavement Wearing Waste (TPWW). <i>Sustainability</i> , 2021, 13, 8172.	1.6	1

#	ARTICLE	IF	CITATIONS
20	Environmentally Persistent Free Radicals, Reactive Oxygen Species Generation, and Oxidative Potential of Highway PM <sub>2.5</sub> . ACS Earth and Space Chemistry, 2021, 5, 1865-1875.	1.2	28
21	Long-Range Transport, Trophic Transfer, and Ecological Risks of Organophosphate Esters in Remote Areas. Environmental Science & Technology, 2021, 55, 10192-10209.	4.6	78
22	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. Scientific Data, 2021, 8, 223.	2.4	14
23	Chemical Analysis of Microplastics and Nanoplastics: Challenges, Advanced Methods, and Perspectives. Chemical Reviews, 2021, 121, 11886-11936.	23.0	309
24	Acute Toxicity of a Tire Rubber-Derived Chemical, 6PPD Quinone, to Freshwater Fish and Crustacean Species. Environmental Science and Technology Letters, 2021, 8, 779-784.	3.9	99
25	Organic Markers of Tire and Road Wear Particles in Sediments and Soils: Transformation Products of Major Antiozonants as Promising Candidates. Environmental Science & Technology, 2021, 55, 11723-11732.	4.6	50
26	Analysis of recycled rubber: Development of an analytical method and determination of polycyclic aromatic hydrocarbons and heterocyclic aromatic compounds in rubber matrices. Chemosphere, 2021, 276, 130076.	4.2	28
27	Treading Water: Tire Wear Particle Leachate Recreates an Urban Runoff Mortality Syndrome in Coho but Not Chum Salmon. Environmental Science & Technology, 2021, 55, 11767-11774.	4.6	68
28	The Tire Wear Compounds 6PPD-Quinone and 1,3-Diphenylguanidine in an Urban Watershed. Archives of Environmental Contamination and Toxicology, 2022, 82, 171-179.	2.1	83
29	The sub-lethal impact of plastic and tire rubber leachates on the Mediterranean mussel <i>Mytilus galloprovincialis</i> . Environmental Pollution, 2021, 283, 117081.	3.7	45
30	Utilizing a Biology-Driven Approach to Map the Exposome in Health and Disease: An Essential Investment to Drive the Next Generation of Environmental Discovery. Environmental Health Perspectives, 2021, 129, 85001.	2.8	20
31	A Deep Dive into the Complex Chemical Mixture and Toxicity of Tire Wear Particle Leachate in Fathead Minnow. Environmental Toxicology and Chemistry, 2022, 41, 1144-1153.	2.2	47
32	Defining the Scope of Exposome Studies and Research Needs from a Multidisciplinary Perspective. Environmental Science and Technology Letters, 2021, 8, 839-852.	3.9	55
33	<i>p</i> -Phenylenediamine Antioxidants in PM <sub>2.5</sub> : The Underestimated Urban Air Pollutants. Environmental Science & Technology, 2022, 56, 6914-6921.	4.6	61
34	Monitoring of Environmental Contaminants in Mixed-Use Watersheds Combining Targeted and Nontargeted Analysis with Passive Sampling. Environmental Toxicology and Chemistry, 2022, 41, 1131-1143.	2.2	8
35	Altered gene expression in <i>Chironomus riparius</i> (insecta) in response to tire rubber and polystyrene microplastics. Environmental Pollution, 2021, 285, 117462.	3.7	32
36	Occurrences of Tire Rubber-Derived Contaminants in Cold-Climate Urban Runoff. Environmental Science and Technology Letters, 2021, 8, 961-967.	3.9	88
37	Removal of rubber, bitumen and other microplastic particles from stormwater by a gross pollutant trap - bioretention treatment train. Water Research, 2021, 202, 117457.	5.3	64

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38	Treatment-driven removal efficiency, product formation, and toxicity evolution of antineoplastic agents: Current status and implications for water safety assessment. <i>Water Research</i> , 2021, 206, 117729.	5.3	19
39	Environmental modelling of hexamethoxymethylmelamine, its transformation products, and precursor compounds: An emerging family of contaminants from tire wear. <i>Chemosphere</i> , 2021, 280, 130914.	4.2	14
40	Composites retard hydrolytic crack growth. <i>Extreme Mechanics Letters</i> , 2021, 48, 101433.	2.0	5
41	Detection of selected tire wear compounds in urban receiving waters. <i>Environmental Pollution</i> , 2021, 287, 117659.	3.7	74
42	Assessment of online water-soluble brown carbon measuring systems for aircraft sampling. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6357-6378.	1.2	8
43	Quantifying the release of tyre wear particles to the marine environment via multiple pathways. <i>Marine Pollution Bulletin</i> , 2021, 172, 112897.	2.3	30
44	Microplastics shift impacts of climate change on a plant-microbe mutualism: Temperature, CO <sub>2</sub> , and tire wear particles. <i>Environmental Research</i> , 2022, 203, 111727.	3.7	18
45	Probing the chemical complexity of tires: Identification of potential tire-borne water contaminants with high-resolution mass spectrometry. <i>Science of the Total Environment</i> , 2022, 802, 149799.	3.9	47
46	Automated identification and quantification of tire wear particles (TWP) in airborne dust: SEM/EDX single particle analysis coupled to a machine learning classifier. <i>Science of the Total Environment</i> , 2022, 803, 149832.	3.9	50
47	Discovering pesticides and their TPs in Luxembourg waters using open cheminformatics approaches. <i>Environment International</i> , 2022, 158, 106885.	4.8	21
48	Demonstration of an aggregated biomarker response approach to assess the impact of point and diffuse contaminant sources in feral fish in a small river case study. <i>Science of the Total Environment</i> , 2022, 804, 150020.	3.9	4
49	The Effect of Wastewater Treatment Plants on Retainment of Plastic Microparticles to Enhance Water Qualityâ€”A Review. <i>Journal of Environmental Protection</i> , 2021, 12, 161-195.	0.3	8
50	Regenerate Nature, Our Best Hope to Reverse Climate Change. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
51	Occurrence and concentration of 20â€“100Âµm sized microplastic in highway runoff and its removal in a gross pollutant trap â€” Bioretention and sand filter stormwater treatment train. <i>Science of the Total Environment</i> , 2022, 809, 151151.	3.9	30
52	Toxicological effects of 6PPD and 6PPD quinone in zebrafish larvae. <i>Journal of Hazardous Materials</i> , 2022, 424, 127623.	6.5	86
53	Nutritional status and prey energy density govern reproductive success in a small cetacean. <i>Scientific Reports</i> , 2021, 11, 19201.	1.6	8
54	Aging of tire and road wear particles in terrestrial and freshwater environments â€” A review on processes, testing, analysis and impact. <i>Chemosphere</i> , 2022, 288, 132467.	4.2	55
55	A Direct Mass Spectrometry Method for the Rapid Analysis of Ubiquitous Tire-Derived Toxin <i>N</i> -(1,3-Dimethylbutyl)- <i>N</i> - <sup>2</sup> -phenyl- <i>p</i> -phenylenediamine Quinone (6-PPDQ). <i>Environmental Science and Technology Letters</i> , 2021, 8, 1051-1056.	3.9	18

#	ARTICLE	IF	CITATIONS
56	Coupling Suspect and Nontarget Screening with Mass Balance Modeling to Characterize Organic Micropollutants in the Onondaga Lake–Three Rivers System. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15215-15226.	4.6	17
57	A Review of River Herring Science in Support of Species Conservation and Ecosystem Restoration. <i>Marine and Coastal Fisheries</i> , 2021, 13, 627-664.	0.6	17
58	Role of Structural Morphology of Commodity Polymers in Microplastics and Nanoplastics Formation: Fragmentation, Effects and Associated Toxicity in the Aquatic Environment. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 259, 123-169.	0.7	1
59	Quantitative non-targeted analysis: Bridging the gap between contaminant discovery and risk characterization. <i>Environment International</i> , 2022, 158, 107011.	4.8	37
60	Sustainable Bioplastic Made from Biomass DNA and Ionomers. <i>Journal of the American Chemical Society</i> , 2021, 143, 19486-19497.	6.6	50
61	Tris(1,3-dichloro-2-propyl)phosphate Induces Mass Mortality of Crucian Carp ( <i>Carassius</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 10	4.6	10
62	<i>In Vitro</i> Digestion of Tire Particles in a Fish Model ( <i>Oncorhynchus mykiss</i> ): Solubilization Kinetics of Heavy Metals and Effects of Food Coingestion. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15788-15796.	4.6	18
63	Governing Ecological Connectivity in Cross-Scale Dependent Systems. <i>BioScience</i> , 2022, 72, 372-386.	2.2	13
64	6PPD-Quinone: Revised Toxicity Assessment and Quantification with a Commercial Standard. <i>Environmental Science and Technology Letters</i> , 2022, 9, 140-146.	3.9	118
65	Global evaluation of the chemical hazard of recycled tire crumb rubber employed on worldwide synthetic turf football pitches. <i>Science of the Total Environment</i> , 2022, 812, 152542.	3.9	31
66	Uncovering transformation products of four organic contaminants of concern by photodegradation experiments and analysis of real samples from a local river. <i>Chemosphere</i> , 2022, 293, 133408.	4.2	3
67	Thermal Suitability of the Los Angeles River for Cold Water Resident and Migrating Fish Under Physical Restoration Alternatives. <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	2
68	Investigation of abiotic degradation of tire cryogrinds. <i>Polymer Degradation and Stability</i> , 2022, 195, 109814.	2.7	16
69	Geospatial Assessment of Trace-Level Benzophenone-3 in a Fish-Bearing River Using Direct Mass Spectrometry. <i>ACS ES&amp;T Water</i> , 2022, 2, 262-267.	2.3	4
70	Fish health in the Nidda as an indicator for ecosystem integrity: a case study for Central European small streams in densely populated areas. <i>Environmental Sciences Europe</i> , 2022, 34, .	2.6	2
71	Ozonation of organic compounds in water and wastewater: A critical review. <i>Water Research</i> , 2022, 213, 118053.	5.3	193
72	Micropollutants in Urban Runoff from Traffic Areas: Target and Non-Target Screening on Four Contrasted Sites. <i>Water (Switzerland)</i> , 2022, 14, 394.	1.2	17
73	Risk assessment of microplastic particles. <i>Nature Reviews Materials</i> , 2022, 7, 138-152.	23.3	306

#	ARTICLE	IF	CITATIONS
74	Environmental Fate and Effects of Road Run-Off. Archives of Environmental Contamination and Toxicology, 2022, 82, 159-161.	2.1	3
75	North American diadromous fishes: Drivers of decline and potential for recovery in the Anthropocene. Science Advances, 2022, 8, eabl5486.	4.7	33
76	Concentrations of Tire Additive Chemicals and Tire Road Wear Particles in an Australian Urban Tributary. Environmental Science & Technology, 2022, 56, 2421-2431.	4.6	90
77	Assessing Reliability of Non-targeted High-Resolution Mass Spectrometry Fingerprints for Quantitative Source Apportionment in Complex Matrices. Analytical Chemistry, 2022, 94, 2723-2731.	3.2	7
78	Differential Organic Contaminant Ionization Source Detection and Identification in Environmental Waters by Nontargeted Analysis. Environmental Toxicology and Chemistry, 2022, 41, 1154-1164.	2.2	7
79	Abiotic oxidative transformation of 6-PPD and 6-PPD quinone from tires and occurrence of their products in snow from urban roads and in municipal wastewater. Water Research, 2022, 212, 118122.	5.3	94
80	Toxicity of micro and nano tire particles and leachate for model freshwater organisms. Journal of Hazardous Materials, 2022, 429, 128319.	6.5	39
81	Policies and regulations for the emerging pollutants in freshwater ecosystems: Challenges and opportunities. , 2022, , 361-372.		6
82	Decreases in wastewater pollutants increased fish diversity of Chicago's waterways. Science of the Total Environment, 2022, 824, 153776.	3.9	4
83	Road Runoff Characterization: Ecotoxicological Assessment Combined with (Non-)Target Screenings of Micropollutants for the Identification of Relevant Toxicants in the Dissolved Phase. Water (Switzerland), 2022, 14, 511.	1.2	7
84	Exposure to N-(1,3-dimethylbutyl)-N-phenyl-p-phenylenediamine (6PPD) affects the growth and development of zebrafish embryos/larvae. Ecotoxicology and Environmental Safety, 2022, 232, 113221.	2.9	29
85	Toxicity of Tire Rubber Microplastics to Freshwater Sediment Organisms. Archives of Environmental Contamination and Toxicology, 2022, 82, 180-190.	2.1	13
86	Suspect Screening and Chemical Profile Analysis of Stormwater Runoff Following 2017 Wildfires in Northern California. SSRN Electronic Journal, 0, , .	0.4	0
87	Tire-Abrasion Particles in the Environment. Advances in Polymer Science, 2022, , 71-101.	0.4	3
88	Ozone uptake by commercial brake pads and brake pad components: assessing the potential indirect air quality impacts of non-exhaust emissions. Environmental Science Atmospheres, 0, , .	0.9	0
89	Chronic Toxicity of Tire Crumb Rubber Particles to Mummichog (Fundulus Heteroclitus) in Episodic Exposures. SSRN Electronic Journal, 0, , .	0.4	0
90	The regenerative role of biofilm in the removal of pesticides from stormwater in biochar-amended biofilters. Environmental Science: Water Research and Technology, 2022, 8, 1092-1110.	1.2	5
91	Pollutants Bioavailability and Toxicological Risk from Microplastics. , 2022, , 697-736.		1

#	ARTICLE	IF	CITATIONS
92	Characterizing the Chemical Profile of Biological Decline in Stormwater-Impacted Urban Watersheds. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3159-3169.	4.6	15
93	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.	4.6	25
94	Machine Learning Applications for Chemical Fingerprinting and Environmental Source Tracking Using Non-target Chemical Data. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4080-4090.	4.6	21
95	Mass Spectrometric Identification of Pollutants in the Environment: A Personal and Bibliometric Perspective. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 620-626.	1.2	2
96	Anthropause Opportunities: Experimental Perturbation of Road Traffic and the Potential Effects on Wildlife. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	8
97	Tire wear particles: An emerging threat to soil health. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 239-257.	6.6	37
98	Traffic-related sources may dominate urban water contamination for many organic contaminants. <i>Environmental Research Letters</i> , 2022, 17, 044030.	2.2	3
99	Evaluation of cytogenotoxic potential and embryotoxicity of KRS-Cauvery River water in zebrafish ( <i>Danio rerio</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113320.	2.9	12
100	Quest for groundwater quality sustainability – lessons from 40 years of remediation in the United States. , 2022, 2, 100009.		6
101	White Rot Fungi Produce Novel Tire Wear Compound Metabolites and Reveal Underappreciated Amino Acid Conjugation Pathways. <i>Environmental Science and Technology Letters</i> , 2022, 9, 391-399.	3.9	14
102	Sustainable strategies to treat urban runoff needed. <i>Nature Sustainability</i> , 2022, 5, 366-369.	11.5	24
103	Acute Toxicity of the Tire Rubber-Derived Chemical 6PPD-quinone to Four Fishes of Commercial, Cultural, and Ecological Importance. <i>Environmental Science and Technology Letters</i> , 2022, 9, 333-338.	3.9	107
104	New Evidence of Rubber-Derived Quinones in Water, Air, and Soil. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4142-4150.	4.6	100
105	Spatial and temporal variations of microplastic concentrations in Portland's freshwater ecosystems. <i>Science of the Total Environment</i> , 2022, 833, 155143.	3.9	33
106	Residual additives in marine microplastics and their risk assessment – A critical review. <i>Marine Pollution Bulletin</i> , 2022, 177, 113467.	2.3	44
107	The distinct toxicity effects between commercial and realistic polystyrene microplastics on microbiome and histopathology of gut in zebrafish. <i>Journal of Hazardous Materials</i> , 2022, 434, 128874.	6.5	26
108	Understanding health effects pathways and thresholds: filling a critical need to support microplastics management. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	5
109	Tri-branched gels: Rubbery materials with the lowest branching factor approach the ideal elastic limit. <i>Science Advances</i> , 2022, 8, eabk0010.	4.7	32

#	ARTICLE	IF	CITATIONS
110	A Bayesian modeling framework to predict stormwater pollutant reduction in bioretention media. <i>Ecological Engineering</i> , 2022, 178, 106582.	1.6	0
111	Concentration and leachability of N-(1,3-dimethylbutyl)-N-phenyl-p-phenylenediamine (6PPD) and its quinone transformation product (6PPD-Q) in road dust collected in Tokyo, Japan. <i>Environmental Pollution</i> , 2022, 302, 119082.	3.7	49
112	Acute toxicity of tire wear particles, leachates and toxicity identification evaluation of leachates to the marine copepod, <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2022, 297, 134099.	4.2	30
113	Internalization, reduced growth, and behavioral effects following exposure to micro and nano tire particles in two estuarine indicator species. <i>Chemosphere</i> , 2022, 296, 133934.	4.2	28
114	Occurrence of tire and road wear particles in urban and peri-urban snowbanks, and their potential environmental implications. <i>Science of the Total Environment</i> , 2022, 824, 153785.	3.9	41
115	Validation of a vulnerability index of exposure to chemicals of emerging concern in surface water and sediment of Great Lakes tributaries of the United States. <i>Science of the Total Environment</i> , 2022, 830, 154618.	3.9	2
116	The joint effects of salt and 6PPD contamination on a freshwater herbivore. <i>Science of the Total Environment</i> , 2022, 829, 154675.	3.9	17
117	Water resource prospects for the next 50 years on the water planet: personal perspectives on a shared history from Earth Day, the Fourth Industrial Revolution and One Health to the futures of alternative energy, bioconvergence and quantum computing. <i>Water International</i> , 2021, 46, 1158-1186.	0.4	2
118	Assessment of styrene-divinylbenzene polymer (PPL) solid-phase extraction and non-targeted tandem mass spectrometry for the analysis of xenobiotics in seawater. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 89-101.	1.0	6
119	Understanding the plastics cycle to minimize exposure. <i>Nature Sustainability</i> , 2022, 5, 282-284.	11.5	18
120	Uncovering global-scale risks from commercial chemicals in air. <i>Nature</i> , 2021, 600, 456-461.	13.7	83
121	Massive Emissions of a Broad Range of Emerging Hindered Phenol Antioxidants and Sulfur Antioxidants from E-Waste Recycling in Urban Mining: New Insights into an Environmental Source. <i>Environmental Science and Technology Letters</i> , 2022, 9, 42-49.	3.9	7
122	Letter to the Editor of <i>Risk Analysis</i> on the de Vries et al. Article (2021) on the Role of the Media in Communicating About Risks Linked to Crumb Rubber. <i>Risk Analysis</i> , 2021, 41, 2179-2182.	1.5	1
123	The Status Quo of Causal Substance Exploration for Fishy Odor in Raw Water for Taps. <i>Journal of Water and Environment Technology</i> , 2022, 20, 29-44.	0.3	2
124	Transformation Product Formation upon Heterogeneous Ozonation of the Tire Rubber Antioxidant 6PPD (N-(1,3-dimethylbutyl)-N-phenyl-p-phenylenediamine). <i>Environmental Science and Technology Letters</i> , 2022, 9, 413-419.	3.9	38
125	Environmental impacts and leachate analysis of waste rubber incorporated in construction and road materials: A review. <i>Science of the Total Environment</i> , 2022, 835, 155269.	3.9	14
126	Ecological Impact of End-of-Life-Tire (ELT)-Derived Rubbers: Acute and Chronic Effects at Organism and Population Levels. <i>Toxics</i> , 2022, 10, 201.	1.6	7
127	Performance of biochars for the elimination of trace organic contaminants and metals from urban stormwater. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1287-1299.	1.2	8



#	ARTICLE	IF	CITATIONS
128	Recent advances in sampling and sample preparation for effect-directed environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116654.	5.8	10
129	Widespread <i>N</i> -(1,3-Dimethylbutyl)- <i>N</i> - $\epsilon$ -phenyl- <i>p</i> -phenylenediamine Quinone in Size-Fractionated Atmospheric Particles and Dust of Different Indoor Environments. <i>Environmental Science and Technology Letters</i> , 2022, 9, 420-425.	3.9	36
130	Suspect Screening and Chemical Profile Analysis of Stormwater Runoff Following 2017 Wildfires in Northern California. <i>Environmental Toxicology and Chemistry</i> , 2022, , .	2.2	3
131	Global Tracking of Transformation Products of Environmental Contaminants by <sup>2</sup> H-Labeled Stable Isotope-Assisted Metabolomics. <i>Analytical Chemistry</i> , 2022, 94, 7255-7263.	3.2	4
132	Genotoxic effects of chlorinated disinfection by-products of 1,3-diphenylguanidine (DPG): Cell-based in-vitro testing and formation potential during water disinfection. <i>Journal of Hazardous Materials</i> , 2022, 436, 129114.	6.5	14
133	Assessment of stormwater discharge contamination and toxicity for a cold-climate urban landscape. <i>Environmental Sciences Europe</i> , 2022, 34, 43.	2.6	4
134	Inhaled tire-wear microplastic particles induced pulmonary fibrotic injury via epithelial cytoskeleton rearrangement. <i>Environment International</i> , 2022, 164, 107257.	4.8	37
135	IPPD-induced growth inhibition and its mechanism in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113614.	2.9	8
136	Analytical strategies for the quali-quantitation of tire and road wear particles – A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116650.	5.8	13
137	Multiview behavior and neurotransmitter analysis of zebrafish dyskinesia induced by 6PPD and its metabolites. <i>Science of the Total Environment</i> , 2022, 838, 156013.	3.9	21
138	Investigating the potential of sustainable use of green silica in the green tire industry: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51298-51317.	2.7	15
139	Using the <i>Daphnia magna</i> Transcriptome to Distinguish Water Source: Wetland and Stormwater Case Studies. <i>Environmental Toxicology and Chemistry</i> , 0, , .	2.2	0
140	Exposure to Contaminated River Water is Associated with Early Hatching and Dysregulation of Gene Expression in Early Life Stages of the Endangered Copper Redhorse ( <i>Moxostoma hubbsi</i> ). <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1950-1966.	2.2	1
141	Critical effect of biodegradation on long-term microplastic weathering in sediment environments: A systematic review. <i>Journal of Hazardous Materials</i> , 2022, 437, 129287.	6.5	31
143	Community insights and guidance from the field. , 2022, , 379-397.		0
144	Renewing and Improving the Environmental Risk Assessment of Chemicals. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
145	The likely suspects framework: the need for a life cycle approach for managing Atlantic salmon ( <i>Salmo salar</i> ) stocks across multiple scales. <i>ICES Journal of Marine Science</i> , 2022, 79, 1445-1456.	1.2	7
146	Uncertainty estimation strategies for quantitative non-targeted analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4919-4933.	1.9	20

#	ARTICLE	IF	CITATIONS
147	Mechanism and practical application of homogeneous-heterogeneous hybrid catalysts in electrolytic system for high COD chemical waste acid treatment. <i>Chemical Engineering Journal</i> , 2022, , 137767.	6.6	2
148	Characteristics and evolution of brown carbon in western United States wildfires. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8009-8036.	1.9	21
149	An information theory-based approach to characterize drivers of upstream salmon migration. <i>PLoS ONE</i> , 2022, 17, e0269193.	1.1	1
150	Pharmaceuticals in the Aquatic Environment: No Answers Yet to the Major Questions. <i>Environmental Toxicology and Chemistry</i> , 2024, 43, 589-594.	2.2	8
151	E-Waste Recycling Emits Large Quantities of Emerging Aromatic Amines and Organophosphites: A Poorly Recognized Source for Another Two Classes of Synthetic Antioxidants. <i>Environmental Science and Technology Letters</i> , 2022, 9, 625-631.	3.9	23
152	Risk characterization of microplastics in San Francisco Bay, California. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	15
153	Chronic toxicity of tire crumb rubber particles to mummichog ( <i>Fundulus heteroclitus</i> ) in episodic exposures. <i>Science of the Total Environment</i> , 2022, 846, 157447.	3.9	9
154	Approaches for assessing performance of high-resolution mass spectrometry-based non-targeted analysis methods. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6455-6471.	1.9	19
155	Occurrence and Ecological Impact of Chemical Mixtures in a Semiclosed Sea by Suspect Screening Analysis. <i>Environmental Science &amp; Technology</i> , 2022, 56, 10681-10690.	4.6	17
156	Beyond Substituted <i>p</i> -Phenylenediamine Antioxidants: Prevalence of Their Quinone Derivatives in PM <sub>2.5</sub> . <i>Environmental Science &amp; Technology</i> , 2022, 56, 10629-10637.	4.6	36
157	Research recommendations to better understand the potential health impacts of microplastics to humans and aquatic ecosystems. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	31
158	Chiral perspective evaluations: Enantioselective hydrolysis of 6PPD and 6PPD-quinone in water and enantioselective toxicity to <i>Gobiocypris rarus</i> and <i>Oncorhynchus mykiss</i> . <i>Environment International</i> , 2022, 166, 107374.	4.8	29
159	Distribution patterns of rubber tire-related chemicals with particle size in road and indoor parking lot dust. <i>Science of the Total Environment</i> , 2022, 844, 157144.	3.9	24
160	Renewing and improving the environmental risk assessment of chemicals. <i>Science of the Total Environment</i> , 2022, 845, 157256.	3.9	6
161	Exploration of emerging environmental pollutants 6PPD and 6PPDQ in honey and fish samples. <i>Food Chemistry</i> , 2022, 396, 133640.	4.2	19
162	Harnessing plant-microbiome interactions for bioremediation across a freshwater urbanization gradient. <i>Water Research</i> , 2022, 223, 118926.	5.3	10
163	Method Development for Separation and Analysis of Tire and Road Wear Particles from Roadside Soil Samples. <i>Environmental Science &amp; Technology</i> , 2022, 56, 11910-11921.	4.6	21
164	The ecotoxicological consequences of microplastics and co-contaminants in aquatic organisms: a mini-review. <i>Emerging Topics in Life Sciences</i> , 2022, 6, 339-348.	1.1	14

#	ARTICLE	IF	CITATIONS
165	Urban Roadway Runoff Is Lethal to Juvenile Coho, Steelhead, and Chinook Salmonids, But Not Congeneric Sockeye. <i>Environmental Science and Technology Letters</i> , 2022, 9, 733-738.	3.9	21
166	Leachable Additives of Tire Particles Explain the Shift in Microbial Community Composition and Function in Coastal Sediments. <i>Environmental Science &amp; Technology</i> , 2022, 56, 12257-12266.	4.6	25
167	Exposure to the Tire Rubber-Derived Contaminant 6PPD-Quinone Causes Mitochondrial Dysfunction <i>in Vitro</i> . <i>Environmental Science and Technology Letters</i> , 2022, 9, 765-771.	3.9	40
168	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.	0.9	9
169	Durable Plastic Goods: A Source of Microplastics and Chemical Additives in the Built and Natural Environments. <i>Environmental Science and Technology Letters</i> , 2022, 9, 798-807.	3.9	14
170	Microbiome engineering for bioremediation of emerging pollutants. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 323-339.	1.7	2
171	A decade of monitoring micropollutants in urban wet-weather flows: What did we learn?. <i>Water Research</i> , 2022, 223, 118968.	5.3	18
172	Composition and transformation chemistry of tire-wear derived organic chemicals and implications for air pollution. <i>Atmospheric Pollution Research</i> , 2022, 13, 101533.	1.8	17
173	Sediment organic carbon dominates the heteroaggregation of suspended sediment and nanoplastics in natural and surfactant-polluted aquatic environments. <i>Journal of Hazardous Materials</i> , 2022, 440, 129802.	6.5	9
174	The need for environmental regulation of tires: Challenges and recommendations. <i>Environmental Pollution</i> , 2022, 311, 119974.	3.7	15
175	Health impacts of artificial turf: Toxicity studies, challenges, and future directions. <i>Environmental Pollution</i> , 2022, 310, 119841.	3.7	4
176	Valorization of enzymatic hydrolysis lignin for the multifunctional stabilization of polypropylene. <i>Industrial Crops and Products</i> , 2022, 187, 115443.	2.5	8
177	Mass spectrometry analysis of a ubiquitous tire rubber-derived quinone in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116756.	5.8	10
178	Removal of chloramphenicol antibiotics in natural and engineered water systems: Review of reaction mechanisms and product toxicity. <i>Science of the Total Environment</i> , 2022, 850, 158059.	3.9	15
179	Sunlight-activated periodate oxidation: A novel and versatile strategy for highly efficient water decontamination. <i>Chemical Engineering Journal</i> , 2023, 451, 138642.	6.6	4
180	Microplastics in urban runoff: Global occurrence and fate. <i>Water Research</i> , 2022, 225, 119129.	5.3	41
181	Toxicity of tyre wear particle leachates to marine phytoplankton. <i>Aquatic Toxicology</i> , 2022, 252, 106299.	1.9	15
182	Air monitoring of tire-derived chemicals in global megacities using passive samplers. <i>Environmental Pollution</i> , 2022, 314, 120206.	3.7	11

#	ARTICLE	IF	CITATIONS
183	Effects of tire wear particles with and without photoaging on anaerobic biofilm sulfide production in sewers and related mechanisms. <i>Chemosphere</i> , 2022, 308, 136185.	4.2	10
184	Artificial turf and crumb rubber infill: An international policy review concerning the current state of regulations. <i>Environmental Challenges</i> , 2022, 9, 100620.	2.0	7
185	Optimized design of environmentally-friendly polydopamine nanoparticles for the stabilization of both thermo- and photo-oxidation of polypropylene: Size effects. <i>Polymer Testing</i> , 2022, 116, 107795.	2.3	5
186	Tyre additive chemicals, tyre road wear particles and high production polymers in surface water at 5 urban centres in Queensland, Australia. <i>Science of the Total Environment</i> , 2022, 852, 158468.	3.9	18
187	Aquatic Environmental Fates and Risks of Benzotriazoles, Benzothiazoles, and P-Phenylenediamines in a Catchment Providing Water to a Megacity of China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
188	Bioaccumulation of N-(1,3-dimethylbutyl)-N-phenyl-p-phenylenediamine (6PPD) and its potential cardiotoxicity in larval zebrafish ( <i>Danio rerio</i> ). <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
189	The proteome mapping, Metabolic modeling, and functional elucidation of the microbiome in the remediation of dyes and treating industrial effluents. , 2023, , 311-328.		0
190	The occurrence of tire wear compounds and their transformation products in municipal wastewater and drinking water treatment plants. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	17
192	Three perspectives on the prediction of chemical effects in ecosystems. <i>Global Change Biology</i> , 2023, 29, 21-40.	4.2	10
193	Acute Toxicity Testing of the Tire Rubber-Derived Chemical 6PPD-quinone on Atlantic Salmon ( <i>Salmo salar</i> ) and Brown Trout ( <i>Salmo trutta</i> ). <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 3041-3045.	2.2	23
194	On airborne tire wear particles along roads with different traffic characteristics using passive sampling and optical microscopy, single particle SEM/EDX, and $\mu$ -ATR-FTIR analyses. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	14
195	Bioaccessibility of Organic Compounds Associated with Tire Particles Using a Fish <i>In Vitro</i> Digestive Model: Solubilization Kinetics and Effects of Food Coingestion. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15607-15616.	4.6	9
196	Wikipedia on the CompTox Chemicals Dashboard: Connecting Resources to Enrich Public Chemical Data. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 4888-4905.	2.5	5
198	Aquatic environmental fates and risks of benzotriazoles, benzothiazoles, and p-phenylenediamines in a catchment providing water to a megacity of China. <i>Environmental Research</i> , 2023, 216, 114721.	3.7	14
199	Enhancing spectral quality in complex environmental matrices: Supporting suspect and non-target screening in zebra mussels with ion mobility. <i>Environment International</i> , 2022, 170, 107585.	4.8	5
200	Microplastics are transferred by soil fauna and regulate soil function as material carriers. <i>Science of the Total Environment</i> , 2023, 857, 159690.	3.9	14
201	Assessment of the bioaccessibility of PAHs and other hazardous compounds present in recycled tire rubber employed in synthetic football fields. <i>Science of the Total Environment</i> , 2023, 857, 159485.	3.9	8
202	Additives in polypropylene and polylactic acid food packaging: Chemical analysis and bioassays provide complementary tools for risk assessment. <i>Science of the Total Environment</i> , 2023, 857, 159318.	3.9	8

#	ARTICLE	IF	CITATIONS
203	Quinone. , 2024, , 117-124.		1
204	Novel magnetic single-layer nano-MXene as a highly effective adsorbent and new SALDI-TOF-MS matrix for enrichment and rapid determination of p-Phenylenediamine antioxidants in water. <i>Chemical Engineering Journal</i> , 2023, 454, 139978.	6.6	6
205	Time-concentration profiles of tire particle additives and transformation products under natural and artificial aging. <i>Science of the Total Environment</i> , 2023, 859, 160150.	3.9	19
206	Rubber Antioxidants and Their Transformation Products: Environmental Occurrence and Potential Impact. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14595.	1.2	11
207	Combining Passive Sampling with Suspect and Nontarget Screening to Characterize Organic Micropollutants in Streams Draining Mixed-Use Watersheds. <i>Environmental Science &amp; Technology</i> , 2022, 56, 16726-16736.	4.6	15
208	Air quality impacts of electric vehicle adoption in California. <i>Atmospheric Environment</i> , 2023, 294, 119492.	1.9	8
209	The Tire-Derived Chemical 6PPD-quinone Is Lethally Toxic to the White-Spotted Char <i>Salvelinus leucomaenis pluvius</i> but Not to Two Other Salmonid Species. <i>Environmental Science and Technology Letters</i> , 2022, 9, 1050-1055.	3.9	35
210	Environmental context determines pollution impacts on ecosystem functioning. <i>Oikos</i> , 2023, 2023, .	1.2	0
211	Superoxide Release by Macrophages through NADPH Oxidase Activation Dominating Chemistry by Isoprene Secondary Organic Aerosols and Quinones to Cause Oxidative Damage on Membranes. <i>Environmental Science &amp; Technology</i> , 2022, 56, 17029-17038.	4.6	14
212	Evidence of non-tailpipe emission contributions to PM2.5 and PM10 near southern California highways. <i>Environmental Pollution</i> , 2023, 317, 120691.	3.7	5
213	Recent progress in the rubber antioxidants: A review. <i>Polymer Degradation and Stability</i> , 2023, 207, 110223.	2.7	22
214	Aquatic toxicity of tire microplastics on marine and freshwater organisms: An in silico approach. <i>Chemosphere</i> , 2023, 313, 137523.	4.2	2
215	Runoff and discharge pathways of microplastics into freshwater ecosystems: A systematic review and meta-analysis. <i>Facets</i> , 2022, 7, 1473-1492.	1.1	3
216	Integrating a Chemicals Perspective into the Global Plastic Treaty. <i>Environmental Science and Technology Letters</i> , 2022, 9, 1000-1006.	3.9	13
217	First Report on the Occurrence of <i>N</i> -(1,3-Dimethylbutyl)- <i>N</i> -phenyl- <i>p</i> -phenylenediamine (6PPD) and 6PPD-Quinone as Pervasive Pollutants in Human Urine from South China. <i>Environmental Science and Technology Letters</i> , 2022, 9, 1056-1062.	3.9	32
218	Long-term exposure to tire-derived 6-PPD quinone causes intestinal toxicity by affecting functional state of intestinal barrier in <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2023, 861, 160591.	3.9	31
219	Formation of disinfection by-products from microplastics, tire wear particles, and other polymer-based materials. <i>Water Research</i> , 2023, 230, 119528.	5.3	10
220	Catalyst-Free Oxidation Reactions in a Microwave Plasma Torch-Based Ion/Molecular Reactor: An Approach for Predicting the Atmospheric Oxidation of Pollutants. <i>Analytical Chemistry</i> , 2023, 95, 2004-2010.	3.2	6

#	ARTICLE	IF	CITATIONS
221	Microplastics Concentrations in Soil Along a Racetrack. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	1
222	Toward a Better Understanding of the Contribution of Wastewater Treatment Plants to Microplastic Pollution in Receiving Waterways. <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 642-654.	2.2	3
223	Meta-Analysis as Early Evidence on the Particulate Emissions Impact of EURO VI on Battery Electric Bus Fleet Transitions. <i>Sustainability</i> , 2023, 15, 1522.	1.6	0
224	Occurrence and risks of 23 tire additives and their transformation products in an urban water system. <i>Environment International</i> , 2023, 171, 107715.	4.8	19
225	The other benefit of electric vehicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	12
226	Fates of Benzotriazoles, Benzothiazoles, and <i>p</i> -Phenylenediamines in Wastewater Treatment Plants in Malaysia and Sri Lanka. <i>ACS ES&amp;T Water</i> , 2023, 3, 1630-1640.	2.3	3
227	The migration and degradation of N-(1,3-Dimethylbutyl)- <i>N</i> -phenyl- <i>p</i> -phenylenediamine from rubber hoses in milk lines. <i>International Journal of Dairy Technology</i> , 0, , .	1.3	1
228	A new toxicity mechanism of N-(1,3-Dimethylbutyl)- <i>N</i> -phenyl- <i>p</i> -phenylenediamine quinone: Formation of DNA adducts in mammalian cells and aqueous organisms. <i>Science of the Total Environment</i> , 2023, 866, 161373.	3.9	9
229	Uptake, Metabolism and Accumulation of Tire Wear Particle-Derived Compounds in Lettuce. <i>Environmental Science &amp; Technology</i> , 2023, 57, 168-178.	4.6	15
230	Groundwater CSI: Unravelling Pollution Sources in Complex Environments with Liquid Chromatography Triple Quadrupole Mass Spectrometry. <i>Lc-gc Europe</i> , 2021, , 498-505.	0.2	0
231	Acute Toxicity of 6PPD-Quinone to Early Life Stage Juvenile Chinook ( <i>Oncorhynchus Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td</i> ). <i>Environmental Science &amp; Technology</i> , 2023, 57, 1907-1918.	2.2	17
232	The Roles of Microbes in Stream Restorations. <i>Microbial Ecology</i> , 2023, 85, 853-861.	1.4	2
233	Unveiling the Occurrence and Potential Ecological Risks of Organophosphate Esters in Municipal Wastewater Treatment Plants across China. <i>Environmental Science &amp; Technology</i> , 2023, 57, 1907-1918.	4.6	16
234	Amine-Functionalized Lignin as an Eco-Friendly Antioxidant for Rubber Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 2303-2313.	3.2	8
235	Widespread Occurrence and Transport of <i>p</i> -Phenylenediamines and Their Quinones in Sediments across Urban Rivers, Estuaries, Coasts, and Deep-Sea Regions. <i>Environmental Science &amp; Technology</i> , 2023, 57, 2393-2403.	4.6	27
236	Mental Models for Assessing Impacts of Stormwater on Urban Social-Ecological Systems. <i>Urban Science</i> , 2023, 7, 14.	1.1	2
237	Water science must be Open Science. , 2023, 1, 4-6.		6
238	Amino accelerators and antioxidants in sediments from the Dong Nai River System, Vietnam: Distribution and influential factors. <i>Environmental Research</i> , 2023, 227, 115712.	3.7	2

#	ARTICLE	IF	CITATIONS
239	From prey to predators: Evidence of microplastic trophic transfer in tuna and large pelagic species in the southwestern Tropical Atlantic. <i>Environmental Pollution</i> , 2023, 327, 121532.	3.7	5
240	Production of higher toxic intermediates of organic pollutants during chemical oxidation processes: A review. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104856.	2.3	5
241	Amino antioxidants: A review of their environmental behavior, human exposure, and aquatic toxicity. <i>Chemosphere</i> , 2023, 317, 137913.	4.2	12
242	Oral exposure to tire rubber-derived contaminant 6PPD and 6PPD-quinone induce hepatotoxicity in mice. <i>Science of the Total Environment</i> , 2023, 869, 161836.	3.9	29
243	Effect-directed analysis and beyond: how to find causal environmental toxicants. <i>Exposome</i> , 2023, 3, .	1.2	0
244	Data acquisition methods for non-targeted screening in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 160, 116966.	5.8	10
245	Recent applications of mass spectrometry in the analysis of transformation products of emerging contaminants in PM <sub>2.5</sub> . <i>Analytical Science Advances</i> , 2023, 4, 49-59.	1.2	5
246	Screening <i>p</i> -Phenylenediamine Antioxidants, Their Transformation Products, and Industrial Chemical Additives in Crumb Rubber and Elastomeric Consumer Products. <i>Environmental Science &amp; Technology</i> , 2023, 57, 2779-2791.	4.6	23
247	Occurrence of some legacy and emerging contaminants in feed and food and their ranking priorities for human exposure. <i>Chemosphere</i> , 2023, 321, 138117.	4.2	5
248	Unraveling the role of iodide in periodate-based water decontamination: Accelerated selective oxidation and formation of iodinated products. <i>Chemical Engineering Journal</i> , 2023, 461, 141879.	6.6	3
249	Building the Environmental Chemical-Protein Interaction Network (eCPIN): An Exposome-Wide Strategy for Bioactive Chemical Contaminant Identification. <i>Environmental Science &amp; Technology</i> , 2023, 57, 3486-3495.	4.6	6
250	Fish-Kills in the Urban Stretch of the Tiber River After a Flash-Storm: Investigative Monitoring with Effect-Based Methods, Targeted Chemical Analyses, and Fish Assemblage Examinations. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	1
251	Contamination Pattern and Risk Assessment of Polar Compounds in Snow Melt: An Integrative Proxy of Road Runoffs. <i>Environmental Science &amp; Technology</i> , 2023, 57, 4143-4152.	4.6	7
252	Ecological risk assessment of tire and road wear particles: A preliminary screening for freshwater sources in Canada. <i>Environmental Pollution</i> , 2023, 325, 121354.	3.7	0
253	Methodology of Assessing Microplastics and Nanoplastics in the Environment: Recent Advances in the Practical Approaches. , 2023, , 59-95.		0
254	METHOD FOR IDENTIFICATION OF BLACK MICROPLASTICS BY USING TIRE LIBRARY. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2022, 78, III_349-III_358.	0.1	1
255	Effects of Land Use Type on Water Quality and Organisms in a Small River of the Shizukuishi River Basin, Iwate Prefecture, Japan. <i>Journal of Japan Society on Water Environment</i> , 2023, 46, 61-68.	0.1	0
256	Exposure to 6-PPD Quinone at Environmentally Relevant Concentrations Causes Abnormal Locomotion Behaviors and Neurodegeneration in <i>Caenorhabditis elegans</i> . <i>Environmental Science &amp; Technology</i> , 2023, 57, 4940-4950.	4.6	29

#	ARTICLE	IF	CITATIONS
257	Addressing chemical pollution in biodiversity research. <i>Global Change Biology</i> , 2023, 29, 3240-3255.	4.2	28
258	The Minderoo-Monaco Commission on Plastics and Human Health. <i>Annals of Global Health</i> , 2023, 89, .	0.8	48
259	Computational Studies of Rubber Ozonation Explain the Effectiveness of 6PPD as an Antidegradant and the Mechanism of Its Quinone Formation. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5216-5230.	4.6	6
260	Predicted aquatic exposure effects from a national urban stormwater study. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	1
261	A Horizon Scan to support Chemical Pollution related policymaking for sustainable and climate resilient economies. <i>Environmental Toxicology and Chemistry</i> , 0, , .	2.2	3
262	Chemical characteristics, leaching, and stability of the ubiquitous tire rubber-derived toxicant 6PPD-quinone. <i>Environmental Sciences: Processes and Impacts</i> , 2023, 25, 901-911.	1.7	11
263	Disposable Polypropylene Face Masks: A Potential Source of Micro/Nanoparticles and Organic Contaminates in Humans. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5739-5750.	4.6	10
264	Transformation Products of Tire Rubber Antioxidant 6PPD in Heterogeneous Gas-Phase Ozonation: Identification and Environmental Occurrence. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5621-5632.	4.6	18
265	Enhanced Formation of 6PPD-Q during the Aging of Tire Wear Particles in Anaerobic Flooded Soils: The Role of Iron Reduction and Environmentally Persistent Free Radicals. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5978-5987.	4.6	14
266	Occurrence of 1,3-Diphenylguanidine, 1,3-Di- <i>o</i> -tolylguanidine, and 1,2,3-Triphenylguanidine in Indoor Dust from 11 Countries: Implications for Human Exposure. <i>Environmental Science &amp; Technology</i> , 2023, 57, 6129-6138.	4.6	13
267	Methodology for Effect-Based Identification of Bioconcentratable Endocrine Disrupting Chemicals (EDCs) in Water: Establishment, Validation, and Application. <i>Environmental Science &amp; Technology</i> , 2023, 57, 6284-6295.	4.6	1
268	Characterization of N-(1,3-dimethylbutyl)-N-phenyl-p-phenylenediamine (6PPD)-induced cardiotoxicity in larval zebrafish ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , 2023, 882, 163595.	3.9	8
282	Contaminant Mixtures and Reproduction in Aquatic Organisms. , 2023, , 193-212.		0
289	Global climate change and environmental toxicology: Characterizing interactions between chemicals, species sensitivity, and human behavior. , 2024, , 975-985.		0
294	How Many Chemicals in Commerce Have Been Analyzed in Environmental Media? A 50 Year Bibliometric Analysis. <i>Environmental Science &amp; Technology</i> , 2023, 57, 9119-9129.	4.6	6
322	Review and Perspectives of End-of-Life Tires Applications for Fuel and Products. <i>Energy &amp; Fuels</i> , 0, , .	2.5	2
326	Tire wear particles in different water environments: occurrence, behavior, and biological effects—a review and perspectives. <i>Environmental Science and Pollution Research</i> , 2023, 30, 90574-90594.	2.7	5
349	Plastics can be used more sustainably in agriculture. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	2.6	14



#	ARTICLE	IF	CITATIONS
362	Progress and challenges in exploring aquatic microbial communities using non-targeted metabolomics. ISME Journal, 2023, 17, 2147-2159.	4.4	1
376	Inland Waters: The Future of Limnology isÂInterdisciplinary, Collaborative, Inclusive, andÂGlobal. , 2024, , 1045-1061.		0
407	Integration of Chemicals Market Data with Suspect Screening Using In Silico Tools to Identify Potential New and Emerging Risk Chemicals. Handbook of Environmental Chemistry, 2023, , .	0.2	0
443	Plastic debris: An overview of composition, sources, environmental occurrence, transport, and fate. , 2024, , 1-31.		0
479	Determinants of Productive Capacity for Stream Salmonids. , 2024, , 491-549.		0
481	The Importance of NMR as a Discovery Tool. , 2024, , 10-56.		0
482	Comprehensive Multiphase NMR: Natural Samples in Their Natural State. , 2024, , 92-140.		0
491	Hexachlorobenzene. Emerging Contaminants and Associated Treatment Technologies, 2024, , 89-102.	0.4	0