

Plastic waste release caused by COVID-19 and its fate in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pandemicâ€™s plastic waste is choking the seas. <i>Nature</i> , 2021, 599, 350-350.	13.7	0
3	Jumpâ€™starting, diffusing, and sustaining the circular economy. <i>Business Strategy and the Environment</i> , 2022, 31, 2637-2640.	8.5	9
4	Microplastics and Macroplastic Debris as Potential Physical Vectors of SARS-CoV-2: A Hypothetical Overview with Implications for Public Health. <i>Microplastics</i> , 2022, 1, 156-166.	1.6	10
5	Hormesis induced by silver iodide, hydrocarbons, microplastics, pesticides, and pharmaceuticals: Implications for agroforestry ecosystems health. <i>Science of the Total Environment</i> , 2022, 820, 153116.	3.9	33
6	Piezoelectric Nanofiber Membrane for Reusable, Stable, and Highly Functional Face Mask Filter with Longâ€™Term Biodegradability. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	46
7	Impact of COVID-19 on global waste and the need for mitigation. <i>Cancer Research Statistics and Treatment</i> , 2022, 5, 7.	0.1	0
8	A Review of Nonbiodegradable and Biodegradable Composites for Food Packaging Application. <i>Journal of Chemistry</i> , 2022, 2022, 1-27.	0.9	13
9	The past, present, and future of plastic pollution. <i>Marine Pollution Bulletin</i> , 2022, 176, 113429.	2.3	79
10	Chemical recycling: A critical assessment of potential process approaches. <i>Waste Management and Research</i> , 2022, 40, 1494-1504.	2.2	21
11	Degradation of plastics associated with the COVID-19 pandemic. <i>Marine Pollution Bulletin</i> , 2022, 176, 113474.	2.3	69
12	A Low-Cost Microfluidic Method for Microplastics Identification: Towards Continuous Recognition. <i>Micromachines</i> , 2022, 13, 499.	1.4	16
13	Microplastic Contamination on the Beaches of South China. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	4
14	Multifunctional Carbon Fibers from Chemical Upcycling of Mask Waste. <i>ACS Omega</i> , 2022, 7, 12278-12287.	1.6	30
15	Litter in coastal and marine environments. <i>Marine Pollution Bulletin</i> , 2022, 177, 113546.	2.3	18
16	Supercritical CO2 sterilization: An effective treatment to reprocess FFP3 face masks and to reduce waste during COVID-19 pandemic. <i>Science of the Total Environment</i> , 2022, 826, 154089.	3.9	12
17	The adverse health effects of increasing microplastic pollution on aquatic mammals. <i>Journal of King Saud University - Science</i> , 2022, 34, 102006.	1.6	13
18	Impact of storms and proximity to entry points on marine litter and wrack accumulation along Mediterranean beaches: Management implications. <i>Science of the Total Environment</i> , 2022, 824, 153914.	3.9	13
19	Environmental risks of disposable face masks during the pandemic of COVID-19: Challenges and management. <i>Science of the Total Environment</i> , 2022, 825, 153880.	3.9	24

#	ARTICLE	IF	CITATIONS
20	Toxic impact of polystyrene microplastic particles in freshwater organisms. <i>Chemosphere</i> , 2022, 299, 134373.	4.2	36
21	Genleş ve Yetiştirkinlerde Çevre Bilinci ve Dindarlık. <i>Ondokuz Mayıs Üniversitesi İlahiyat Fakültesi Dergisi</i> , 0, 0, .	0.0	0
22	Prevalence of Covid-19 personal protective equipment in aquatic systems and impact on associated fauna. <i>Environment Systems and Decisions</i> , 2022, 42, 328-337.	1.9	7
23	COVID-19 Karesel Sıvı Krişinin Çevresel Etki ve Sonuçları. <i>Journal of Environmental and Natural Studies</i> , 2022, 4, 89-95.	0.5	0
24	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.	3.9	13
25	Investigating Sources of Marine Litter and Developing Coping Strategies in Scuba Diving Spots in Taiwan. <i>Sustainability</i> , 2022, 14, 5726.	1.6	0
26	Impact of the COVID-19 Pandemic on Primate Research and Conservation. <i>Animals</i> , 2022, 12, 1214.	1.0	5
27	Global impacts of COVID-19 on sustainable ocean development. <i>Innovation(China)</i> , 2022, 3, 100250.	5.2	3
28	Personal protective equipment (PPE) and plastic pollution during COVID-19: strategies for a sustainable environment. <i>Reviews on Environmental Health</i> , 2022, 37, 321-325.	1.1	4
29	Microbial Consortia and Mixed Plastic Waste: Pangenomic Analysis Reveals Potential for Degradation of Multiple Plastic Types via Previously Identified PET Degrading Bacteria. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5612.	1.8	13
30	Exploring and Addressing the User Acceptance Issues Embedded in the Adoption of Reusable Packaging Systems. <i>Sustainability</i> , 2022, 14, 6146.	1.6	8
31	Environmental Effects of the Disposable Surgical Masks for Preventing COVID-19. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
32	Challenges and measures during management of mounting biomedical waste in COVID-19 pandemic: an Indian approach. <i>Bulletin of the National Research Centre</i> , 2022, 46, .	0.7	7
33	Accelerated Degradation of Microplastics at the Liquid Interface of Ice Crystals in Frozen Aqueous Solutions. <i>Angewandte Chemie</i> , 0, , .	1.6	0
34	Accelerated Degradation of Microplastics at the Liquid Interface of Ice Crystals in Frozen Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	31
35	Recent innovations in bionanocomposites-based food packaging films – A comprehensive review. <i>Food Packaging and Shelf Life</i> , 2022, 33, 100877.	3.3	36
36	Sustainable polymers. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	78
37	Cyanamide as a Highly Efficient Organocatalyst for the Glycolysis Recycling of PET. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7965-7973.	3.2	21

#	ARTICLE	IF	CITATIONS
38	Evaluation of fiber and debris release from protective COVID-19 mask textiles and in vitro acute cytotoxicity effects. <i>Environment International</i> , 2022, 167, 107364.	4.8	4
39	Ontogenetic Transfer of Microplastics in Bloodsucking Mosquitoes <i>Aedes aegypti</i> L. (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2022, 14, 1852.	1.2	8
40	The Ecology of Viral Emergence. <i>Annual Review of Virology</i> , 2022, 9, 173-192.	3.0	20
41	Valorization of Polyethylene Terephthalate (PET) Plastic Wastes as Nanofibrous Membranes for Oil Removal: Sustainable Solution for Plastic Waste and Oil Pollution. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9077-9086.	1.8	29
42	Blueprint for the ideal microplastic effect study: Critical issues of current experimental approaches and envisioning a path forward. <i>Science of the Total Environment</i> , 2022, 838, 156610.	3.9	3
43	Leveraging blockchain concepts as watermarkers of plastics for sustainable waste management in progressing circular economy. <i>Environmental Research</i> , 2022, 213, 113631.	3.7	26
44	GIS and Remote Sensing-Based Approach for Monitoring and Assessment of Plastic Leakage and Pollution Reduction in the Lower Mekong River Basin. <i>Sustainability</i> , 2022, 14, 7879.	1.6	2
45	Evaluation of urban solid-waste generation and safety consciousness of waste collectors amidst COVID-19 pandemic. <i>Journal of Material Cycles and Waste Management</i> , 2022, 24, 1948-1957.	1.6	2
46	An Environmentally Friendly Solution for Waste Facial Masks Recycled in Construction Materials. <i>Sustainability</i> , 2022, 14, 8739.	1.6	22
47	Sustainability in Health Care. <i>Annual Review of Environment and Resources</i> , 2022, 47, 173-196.	5.6	7
48	Prospect of microplastic pollution control under the "New normal" concept beyond COVID-19 pandemic. <i>Journal of Cleaner Production</i> , 2022, 367, 133027.	4.6	29
49	Microfiber releasing into urban rivers from face masks during COVID-19. <i>Journal of Environmental Management</i> , 2022, 319, 115741.	3.8	18
50	COVID-19, the environment and animal life in Malawi compared to other countries: A brief scoping review for a research agenda in the developing countries. <i>Physics and Chemistry of the Earth</i> , 2022, 127, 103197.	1.2	0
51	Microbial biodegradation of plastics: Challenges, opportunities, and a critical perspective. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	25
52	Pollution caused by nanoplastics: adverse effects and mechanisms of interaction <i>via</i> molecular simulation. <i>PeerJ</i> , 0, 10, e13618.	0.9	4
53	The plastic pandemic: COVID-19 has accelerated plastic pollution, but there is a cure. <i>Science of the Total Environment</i> , 2022, 847, 157555.	3.9	17
54	Multiple anthropogenic stressors in the Galápagos Islands' complex social-ecological system: Interactions of marine pollution, fishing pressure, and climate change with management recommendations. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 870-895.	1.6	12
55	Investigation of Potential Use of Soybean Protein Isolate-Chinese Bayberry Tannin Extract Cross-Linked Films in Packaging Applications. <i>Materials</i> , 2022, 15, 5260.	1.3	9

#	ARTICLE	IF	CITATIONS
56	Lifetime prediction of non-woven face masks in ocean and contributions to microplastics and dissolved organic carbon. <i>Journal of Hazardous Materials</i> , 2023, 441, 129816.	6.5	16
57	Trend of Polymer Research Related to COVID-19 Pandemic: Bibliometric Analysis. <i>Polymers</i> , 2022, 14, 3297.	2.0	18
58	Integrating Citizensâ€™ Importance-Performance Aspects into Sustainable Plastic Waste Management in Danang, Vietnam. <i>Sustainability</i> , 2022, 14, 10324.	1.6	9
60	Does marine environmental research meet the challenges of marine pollution induced by the COVID-19 pandemic? Comparison analysis before and during the pandemic based on bibliometrics. <i>Marine Pollution Bulletin</i> , 2022, 183, 114046.	2.3	1
61	Physicochemical assessment of waxy products directly recovered from plastic waste pyrolysis: Review and synthesis of characterization techniques. <i>Polymer Degradation and Stability</i> , 2022, 204, 110090.	2.7	5
62	Dietary exposure to polystyrene nanoplastics impairs fasting-induced lipolysis in adipose tissue from high-fat diet fed mice. <i>Journal of Hazardous Materials</i> , 2022, 440, 129698.	6.5	21
63	A systematic scoping review of environmental and socio-economic effects of COVID-19 on the global ocean-human system. <i>Science of the Total Environment</i> , 2022, 849, 157925.	3.9	9
64	An updated review on environmental occurrence, scientific assessment and removal of brominated flame retardants by engineered nanomaterials. <i>Journal of Environmental Management</i> , 2022, 321, 115998.	3.8	22
65	Mitigation of microfibers release from disposable masks â€“ An analysis of structural properties. <i>Environmental Research</i> , 2022, 214, 114106.	3.7	7
66	Physiciansâ€™ responsibility toward environmental degradation and climate change: A position paper of the European Federation of Internal Medicine. <i>European Journal of Internal Medicine</i> , 2022, 104, 55-58.	1.0	6
67	Abundance and characterization of personal protective equipment (PPE) polluting Kish Island, Persian Gulf. <i>Science of the Total Environment</i> , 2023, 854, 158678.	3.9	14
68	Catalytic cascade vapor-phase hydrotreatment of plastic waste into fuels and its sustainability assessment. <i>Green Chemistry</i> , 2022, 24, 8562-8571.	4.6	8
69	The Effects of the COVID-19 Pandemic on Nutrition, Health and Environment in Indonesia: A Qualitative Investigation of Perspectives from Multi-Disciplinary Experts. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 11575.	1.2	5
70	Microbial strategies for degradation of microplastics generated from COVID-19 healthcare waste. <i>Environmental Research</i> , 2023, 216, 114438.	3.7	31
71	Bioconversion of Plastic Waste Based on Mass Full Carbon Backbone Polymeric Materials to Value-Added Polyhydroxyalkanoates (PHAs). <i>Bioengineering</i> , 2022, 9, 432.	1.6	9
72	Saving 80% Polypropylene in Facemasks by Laser-Assisted Melt-Blown Nanofibers. <i>Nano Letters</i> , 2022, 22, 7212-7219.	4.5	22
73	A temporal assessment of anthropogenic marine debris on sandy beaches from Ecuadorâ€™s southern coast. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
74	Microplastics: Global occurrence, impact, characteristics and sorting. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	7

#	ARTICLE	IF	CITATIONS
75	Fate identification and management strategies of non-recyclable plastic waste through the integration of material flow analysis and leakage hotspot modeling. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
76	Micro- and Nanoplasticsâ€™ Effects on Protein Folding and Amyloidosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10329.	1.8	11
77	The environmental impact of data-driven precision medicine initiatives. , 2023, 1, .		1
78	A review on enhanced microplastics derived from biomedical waste during the COVID-19 pandemic with its toxicity, health risks, and biomarkers. <i>Environmental Research</i> , 2023, 216, 114434.	3.7	11
79	How medicine becomes trash: disposability in health care. <i>Lancet, The</i> , 2022, 400, 1298-1299.	6.3	5
80	A Systematic Review of COVID-19 Geographical Research: Machine Learning and Bibliometric Approach. <i>Annals of the American Association of Geographers</i> , 2023, 113, 581-598.	1.5	5
81	Costâ€™Benefit Analysis of Introducing Custom-Made Small Thermal-Frictional Sterilization System to the Existing Hospital Waste Disposal System: A Case Study of Chinese Hospital. <i>Sustainability</i> , 2022, 14, 12837.	1.6	0
82	An Overview into Polyethylene Terephthalate (PET) Hydrolases and Efforts in Tailoring Enzymes for Improved Plastic Degradation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12644.	1.8	14
83	Plastic wastes in the time of COVID-19: Their environmental hazards and implications for sustainable energy resilience and circular bio-economies. <i>Science of the Total Environment</i> , 2023, 858, 159880.	3.9	15
84	Medical Waste during COVID-19 Pandemic: Its Types, Abundance, Impacts and Implications. , 2022, 2, 71-83.		8
85	Microplastics in human food chains: Food becoming a threat to health safety. <i>Science of the Total Environment</i> , 2023, 858, 159834.	3.9	87
86	Ultrasonicâ€™assisted molten salt hydrates pretreated <i>Eucheuma cottonii</i> residues as a greener precursor for third-generation L-lactic acid production. <i>Bioresource Technology</i> , 2022, 364, 128136.	4.8	1
87	Metabolic Engineering of Methylotroph for Biosynthesis of Biodegradable Copolyesters from Methanol. <i>Journal of the Japan Petroleum Institute</i> , 2022, 65, 213-220.	0.4	0
88	Ultra-toughened poly(glycolic acid)-based blends with controllable hydrolysis behavior fabricated via reactive compatibilization. <i>European Polymer Journal</i> , 2022, 181, 111661.	2.6	7
89	Upcycling disposable face masks into fuel range iso-alkanes through hydrolysis coupled with vapor-phase hydrocracking. <i>Energy</i> , 2023, 263, 125843.	4.5	3
90	Environmental challenges of COVID-19 pandemic: resilience and sustainability â€™ A review. <i>Environmental Research</i> , 2023, 216, 114496.	3.7	18
91	Effective Medical Waste Management for Sustainable Green Healthcare. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14820.	1.2	8
92	Personal protective equipment (PPE) disposal during COVID-19: An emerging source of microplastic and microfiber pollution in the environment. <i>Science of the Total Environment</i> , 2023, 860, 160322.	3.9	23

#	ARTICLE	IF	CITATIONS
93	Impact of plastics in the socio-economic disaster of pollution and climate change: The roadblocks of sustainability in India. , 2023, , 77-100.		0
94	Biodegradable, Water-Resistant, Anti-Fizzing, Polyester Nanocellulose Composite Paper Straws. <i>Advanced Science</i> , 2023, 10, .	5.6	8
95	Personal protective equipment (PPE) pollution driven by COVID-19 pandemic in Marina Beach, the longest urban beach in Asia: Abundance, distribution, and analytical characterization. <i>Marine Pollution Bulletin</i> , 2023, 186, 114476.	2.3	16
96	Trade Flow Optimization Model for Plastic Pollution Reduction. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 15963.	1.2	0
98	Gross Negligence: Impacts of Microplastics and Plastic Leachates on Phytoplankton Community and Ecosystem Dynamics. <i>Environmental Science & Technology</i> , 2023, 57, 5-24.	4.6	29
99	Characteristics and patterns of marine debris in the Chinese beach-sea continuum. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
100	Pharmaceuticals in the Water: The Need for Environmental Bioethics. <i>Journal of Medical Humanities</i> , 2023, 44, 245-250.	0.3	2
101	Upscaling Fog Computing in Oceans for Underwater Pervasive Data Science Using Low-Cost Micro-Clouds. <i>ACM Transactions on Internet of Things</i> , 2023, 4, 1-29.	3.4	3
102	Incorporation of Glass and Plastic Waste into Alkali-Activated Mill Residue Bricks. <i>Sustainability</i> , 2022, 14, 16533.	1.6	3
103	Perceptions of change in the environment caused by the COVID-19 pandemic: Implications for environmental policy. <i>Environmental Impact Assessment Review</i> , 2023, 99, 107013.	4.4	5
104	Circular Economy in Practice: Building a Simple Greenhouse from Recycled Plastic. <i>Machines</i> , 2022, 10, 1207.	1.2	0
105	Upsurge in biomedical waste due to COVID-19 in India: A statistical correlation, challenges and recommendations. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
106	Biotransformation of d-Xylose-Rich Rice Husk Hydrolysate by a Rice Paddy Soil Bacterium, <i>Priestia</i> sp. Strain JY310, to Low Molecular Weight Poly(3-hydroxybutyrate). <i>Biomolecules</i> , 2023, 13, 131.	1.8	0
107	Succinic Acid Production from Oil Palm Biomass: A Prospective Plastic Pollution Solution. <i>Fermentation</i> , 2023, 9, 46.	1.4	7
108	Mechanical performance of fiber-reinforced concrete and functionally graded concrete with natural and recycled aggregates. <i>Ain Shams Engineering Journal</i> , 2023, 14, 102121.	3.5	11
109	Discovering untapped microbial communities through metagenomics for microplastic remediation: recent advances, challenges, and way forward. <i>Environmental Science and Pollution Research</i> , 2023, 30, 81450-81473.	2.7	17
110	Recent trends in marine microplastic modeling and machine learning tools: Potential for long-term microplastic monitoring. <i>Journal of Applied Physics</i> , 2023, 133, .	1.1	6
111	Adverse impacts of high-density microplastics on juvenile growth and behaviour of the endangered tri-spine horseshoe crab <i>Tachypleus tridentatus</i> . <i>Marine Pollution Bulletin</i> , 2023, 187, 114535.	2.3	4

#	ARTICLE	IF	CITATIONS
112	The flux and fate of plastic in the world's major rivers: Modelling spatial and temporal variability. <i>Global and Planetary Change</i> , 2023, 221, 104037.	1.6	6
113	Chitosan based bio-nanocomposites packaging films with unique mechanical and barrier properties. <i>Food Packaging and Shelf Life</i> , 2023, 35, 101016.	3.3	12
114	Interactions of Bisphenol A with <i>Artemia franciscana</i> and the ameliorative effect of probiotics. <i>Environmental Toxicology and Pharmacology</i> , 2023, 98, 104064.	2.0	0
115	COVID-19 clinical waste reuse: A triboelectric touch sensor for IoT-cloud supported smart hand sanitizer dispenser. <i>Nano Energy</i> , 2023, 108, 108183.	8.2	29
116	Time-dependent effects of microplastics on soil bacteriome. <i>Journal of Hazardous Materials</i> , 2023, 447, 130762.	6.5	20
117	Microplastics in the Ecosystem: An Overview on Detection, Removal, Toxicity Assessment, and Control Release. <i>Water (Switzerland)</i> , 2023, 15, 51.	1.2	20
118	Are microplastics contributing to pollution-induced neurotoxicity? A pilot study with wild fish in a real scenario. <i>Heliyon</i> , 2023, 9, e13070.	1.4	9
119	Enhanced vector transport of microplastics-bound lead ions in organic matter rich water. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-16.	1.8	1
120	High-yield, one-pot upcycling of polyethylene and polypropylene waste into blue-emissive carbon dots. <i>Green Chemistry</i> , 2023, 25, 1925-1937.	4.6	12
121	Face mask and medical waste generation in the City of Baguio, Philippines: its current management and GHG footprint. <i>Journal of Material Cycles and Waste Management</i> , 2023, 25, 1216-1226.	1.6	2
122	Thermal treatment options for single-use, multilayered and composite waste plastics in Africa. <i>Energy</i> , 2023, 270, 126872.	4.5	10
123	Hydrothermal treatment of plastic waste within a circular economy perspective. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 32, 100991.	1.6	12
124	A global synthesis of microplastic contamination in wild fish species: Challenges for conservation, implications for sustainability of wild fish stocks and future directions. <i>Advances in Marine Biology</i> , 2023, , 159-200.	0.7	3
125	Enrichment of antibiotic resistant genes and pathogens in face masks from coastal environments. <i>Journal of Hazardous Materials</i> , 2023, 449, 131038.	6.5	4
126	Nanoplastics induce epigenetic signatures of transgenerational impairments associated with reproduction in copepods under ocean acidification. <i>Journal of Hazardous Materials</i> , 2023, 449, 131037.	6.5	12
127	Effects of polypropylene nanofibers on soft corals. <i>Chemosphere</i> , 2023, 327, 138509.	4.2	4
128	Circular transformation in plastic management lessens the carbon footprint of the plastic industry. <i>Materials Today Sustainability</i> , 2023, 22, 100365.	1.9	8
129	Plastic waste as pyrolysis feedstock for plastic oil production: A review. <i>Science of the Total Environment</i> , 2023, 877, 162719.	3.9	38

#	ARTICLE	IF	CITATIONS
130	Urban sewage sludge valorization to biodiesel production: Solvent-free lipid recovery through adsorption on used 3 Ply Safety Face Masks. <i>Environmental Technology and Innovation</i> , 2023, 30, 103072.	3.0	3
131	Aquatic plastisphere: Interactions between plastics and biofilms. <i>Environmental Pollution</i> , 2023, 322, 121196.	3.7	14
132	Eco-Friendly Hierarchical Nanoporous Microfiber Respirator Filters Fabricated Using Rotary Jet Spinning Technology (RJS). <i>ACS Applied Polymer Materials</i> , 2023, 5, 1657-1669.	2.0	4
133	A qualitative study of what motivates and enables climate-engaged physicians in Canada to engage in health-care sustainability, advocacy, and action. <i>Lancet Planetary Health</i> , The, 2023, 7, e164-e171.	5.1	6
134	Household-Level Strategies to Tackle Plastic Waste Pollution in a Transitional Country. <i>Urban Science</i> , 2023, 7, 20.	1.1	10
135	Micro- and Nanoplastics pollution in the aquatic environments in Russia and detection problems. <i>Vestnik - Moskovskogo Universiteta, Seriya Geologiya</i> , 2023, , 110-123.	0.0	0
136	Employees' Green Value Creation in the Post Covid-19 Pandemic Through Green Management Practices. , 2023, , 177-189.		0
137	COVID-19 Supply Chain Risks and Environmental Impact Assessment. <i>Journal of Operations and Strategic Planning</i> , 2022, 5, 109-122.	0.5	0
138	Study of the Long-Term Aging of Polypropylene-Made Disposable Surgical Masks and Filtering Facepiece Respirators. <i>Polymers</i> , 2023, 15, 1001.	2.0	1
139	Magnetically boosted 1D photoactive microswarm for COVID-19 face mask disruption. <i>Nature Communications</i> , 2023, 14, .	5.8	7
140	An atmospheric microwave plasma-based distributed system for medical waste treatment. <i>Environmental Science and Pollution Research</i> , 2023, 30, 51314-51326.	2.7	0
141	Spatiotemporal variations and the ecological risks of organophosphate esters in Laizhou Bay waters between 2019 and 2021: Implying the impacts of the COVID-19 pandemic. <i>Water Research</i> , 2023, 233, 119783.	5.3	5
142	Impact of the Covid-19 pandemic on microplastic abundance along the River Thames. <i>Marine Pollution Bulletin</i> , 2023, 189, 114763.	2.3	6
143	Sustainable material management for a circular plastics economy. , 2023, , 1-34.		1
144	Review on the Impact of COVID-19 Pandemic on Change of CO2 Emission and Blue Carbon. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2023, 26, 89-101.	0.1	0
145	Performance of a membrane fabricated from high-density polyethylene waste for dye separation in water. <i>RSC Advances</i> , 2023, 13, 7789-7797.	1.7	6
146	Plastic waste discharge to the global ocean constrained by seawater observations. <i>Nature Communications</i> , 2023, 14, .	5.8	20
147	Marine-derived biopolymers as potential bioplastics, an eco-friendly alternative. <i>IScience</i> , 2023, 26, 106404.	1.9	12

#	ARTICLE	IF	CITATIONS
148	Clustered vehicle routing problem for waste collection with smart operational management approaches. <i>International Transactions in Operational Research</i> , 0, , .	1.8	3
149	Sporadic Emerging Infectious and Non-Infectious Diseases and Disorders. , 2023, , 315-350.		2
150	Magnetic Peroxidase Nanozyme Gears Up for Microplastic Removal and Deconstruction. <i>Chemistry Methods</i> , 2023, 3, .	1.8	1
151	Development of an engineered face mask with optimized nanoparticle layering for filtration of air pollutants and viral pathogens. <i>Environmental Engineering Research</i> , 2023, 28, 230003-0.	1.5	2
152	Opportunities for recycling in an automated clinical chemistry laboratory produced by the comprehensive metabolic panel. <i>American Journal of Clinical Pathology</i> , 0, , .	0.4	0
153	Microplastics and other emerging contaminants in the environment after COVID-19 pandemic: The need of global reconnaissance studies. <i>Current Opinion in Environmental Science and Health</i> , 2023, 33, 100468.	2.1	4
154	Cascading Polymer Macro-Debris Upcycling and Microparticle Removal as an Effective Life Cycle Plastic Pollution Mitigation Strategy. <i>Environmental Science & Technology</i> , 2023, 57, 6506-6519.	4.6	2
155	Polypropylene microplastics promote metastatic features in human breast cancer. <i>Scientific Reports</i> , 2023, 13, .	1.6	12
156	Effects of Romanian Studentâ€™s Awareness and Needs Regarding Plastic Waste Management. <i>Sustainability</i> , 2023, 15, 6811.	1.6	3
157	Chemical recycling of waste polyethylene terephthalate (PET) bottles via recovery and polymerization of terephthalic acid (TPA) and ethylene glycol (EG). <i>Materials Today: Proceedings</i> , 2023, , .	0.9	1
158	Using Contingent Valuation Method to Explore the Householdsâ€™ Participation and Willingness to Pay for Improved Plastic Waste Management in North Vietnam. , 2023, , 219-237.		0
162	Impacts of Biofilm Formation on the Physicochemical Properties and Toxicity of Microplastics: A Concise Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2023, 261, .	0.7	2
172	Microplastics in water: types, detection, and removal strategies. <i>Environmental Science and Pollution Research</i> , 2023, 30, 84933-84948.	2.7	4
177	Mini-review on remediation of plastic pollution through photoreforming: progress, possibilities, and challenges. <i>Environmental Science and Pollution Research</i> , 2023, 30, 83138-83152.	2.7	2
179	â€œFunctional upcyclingâ€•of polymer waste towards the design of new materials. <i>Chemical Society Reviews</i> , 2023, 52, 4755-4832.	18.7	11
180	Technik und Nachhaltigkeit im Gesundheits- und Pflegewesen. <i>The Springer Reference Pflegegerapie, Gesundheit</i> , 2023, , 1-11.	0.2	0
186	Circular Polyolefins: Advances toward a Sustainable Future. <i>Macromolecules</i> , 2023, 56, 5679-5697.	2.2	10
204	Recent advances in plastic recycling and upgrading under mild conditions. <i>Green Chemistry</i> , 2023, 25, 6949-6970.	4.6	11

#	ARTICLE	IF	CITATIONS
225	Double Trouble: COVID-19 and Microplastics. Handbook of Environmental Chemistry, 2023, , .	0.2	0
243	Management strategy and mitigation measures for plastic pollution. , 2024, , 399-419.		0
244	Plastic debris: An overview of composition, sources, environmental occurrence, transport, and fate. , 2024, , 1-31.		0
248	Polymer/nanocellulose composites for food packaging. , 2024, , 105-135.		0
250	Comprehensive investigation on microplastics from source to sink. Clean Technologies and Environmental Policy, 0, , .	2.1	0