

Carryover of Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS) from Contaminated Soil to Plant and Distribution to the Different Plant Components in Carrots (*Daucus carota* ssp. *Sativus*), Potatoes (*Solanum tuberosum*) and Cucumbers (*Cucumis Sativus*)

Journal of Agricultural and Food Chemistry

59, 11011-11018

DOI: 10.1021/jf201355y

Citation Report

#	ARTICLE	IF	CITATIONS
1	Major perfluoroalkyl acid (PFAA) concentrations and influence of food consumption among the general population of Daegu, Korea. <i>Science of the Total Environment</i> , 2012, 438, 42-48.	8.0	25
2	Uptake of Perfluorinated Alkyl Acids by Hydroponically Grown Lettuce (<i>Lactuca sativa</i>). <i>Environmental Science & Technology</i> , 2012, 46, 11735-11743.	10.0	236
3	Perfluorooctanoic acid (PFOA), an emerging drinking water contaminant: A critical review of recent literature. <i>Environmental Research</i> , 2012, 116, 93-117.	7.5	471
4	Transfer of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) From Contaminated Feed Into Milk and Meat of Sheep: Pilot Study. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 288-298.	4.1	58
5	Mechanistic studies of perfluorooctane sulfonate, perfluorooctanoic acid uptake by maize (<i>Zea mays</i>)	3.9	93
6	Perfluorinated alkylated substances in vegetables collected in four European countries; occurrence and human exposure estimations. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7930-7939.	5.3	76
7	Uptake of perfluorooctane sulfonate (PFOS) by wheat (<i>Triticum aestivum</i> L.) plant. <i>Chemosphere</i> , 2013, 91, 139-144.	8.2	58
8	Bioaccumulation of perfluoroalkyl carboxylates (PFCAs) and perfluoroalkane sulfonates (PFASs) by earthworms (<i>Eisenia fetida</i>) in soil. <i>Environmental Pollution</i> , 2013, 179, 45-52.	7.5	79
9	Detections of Commercial Fluorosurfactants in Hong Kong Marine Environment and Human Blood: A Pilot Study. <i>Environmental Science & Technology</i> , 2013, 47, 4677-4685.	10.0	83
10	Antioxidant defense system responses and DNA damage of earthworms exposed to Perfluorooctane sulfonate (PFOS). <i>Environmental Pollution</i> , 2013, 174, 121-127.	7.5	116
11	Effect of Perfluorooctane Sulfonate on the Conformation of Wheat Germ Acid Phosphatase. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 577-582.	2.7	2
12	Uptake of Perfluoroalkyl Acids into Edible Crops via Land Applied Biosolids: Field and Greenhouse Studies. <i>Environmental Science & Technology</i> , 2013, 47, 14062-14069.	10.0	213
13	Long-Term Lysimeter Experiment To Investigate the Leaching of Perfluoroalkyl Substances (PFASs) and the Carry-over from Soil to Plants: Results of a Pilot Study. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1784-1793.	5.2	99
14	Analysis of selected perfluoroalkyl substances (PFASs) in beer to evaluate the effect of beer consumption on human PFAS exposure: a pilot study. <i>European Food Research and Technology</i> , 2014, 238, 443-449.	3.3	10
15	Analysis of Trace Metals and Perfluorinated Compounds in 43 Representative Tea Products from South China. <i>Journal of Food Science</i> , 2014, 79, C1123-9.	3.1	30
16	Organic environmental chemical contaminants in fresh produce and fruits. , 2014, , 112-118.		1
17	Chronic PFOS exposure alters the expression of neuronal development-related human homologues in <i>Eisenia fetida</i> . <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 288-297.	6.0	10
18	Investigating the Biodegradability of a Fluorotelomer-Based Acrylate Polymer in a Soil-Plant Microcosm by Indirect and Direct Analysis. <i>Environmental Science & Technology</i> , 2014, 48, 12783-12790.	10.0	42

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19	Perfluoroalkyl Acid Distribution in Various Plant Compartments of Edible Crops Grown in Biosolids-Amended soils. <i>Environmental Science & Technology</i> , 2014, 48, 7858-7865.	10.0	218
20	Fate of Polyfluoroalkyl Phosphate Diesters and Their Metabolites in Biosolids-Applied Soil: Biodegradation and Plant Uptake in Greenhouse and Field Experiments. <i>Environmental Science & Technology</i> , 2014, 48, 340-349.	10.0	107
21	Root Uptake and Translocation of Perfluorinated Alkyl Acids by Three Hydroponically Grown Crops. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3334-3342.	5.2	151
22	Susceptibility of Riparian Wetland Plants to Perfluorooctanoic Acid (PFOA) Accumulation. <i>International Journal of Phytoremediation</i> , 2014, 16, 926-936.	3.1	31
23	Effects of chain length and pH on the uptake and distribution of perfluoroalkyl substances in maize (<i>Zea mays</i>). <i>Chemosphere</i> , 2014, 94, 85-90.	8.2	138
24	Uptake of perfluorinated compounds by plants grown in nutrient solution. <i>Science of the Total Environment</i> , 2014, 472, 20-26.	8.0	62
25	Mutual impacts of wheat (<i>Triticum aestivum</i> L.) and earthworms (<i>Eisenia fetida</i>) on the bioavailability of perfluoroalkyl substances (PFASs) in soil. <i>Environmental Pollution</i> , 2014, 184, 495-501.	7.5	82
26	Field study on the uptake and translocation of perfluoroalkyl acids (PFAAs) by wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314rgBT /Overlock 10	7.5	140
27	Concentration profiles and spatial distribution of perfluoroalkyl substances in an industrial center with condensed fluorochemical facilities. <i>Science of the Total Environment</i> , 2014, 490, 351-359.	8.0	78
29	Residual perfluorochemicals in the biochar from sewage sludge. <i>Chemosphere</i> , 2015, 134, 435-437.	8.2	45
30	Accumulation Potentials of Perfluoroalkyl Carboxylic Acids (PFCAs) and Perfluoroalkyl Sulfonic Acids (PFSAs) in Maize (<i>Zea mays</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3646-3653.	5.2	96
31	Perfluorinated Compounds: An Overview. <i>Molecular and Integrative Toxicology</i> , 2015, , 1-21.	0.5	21
32	Accumulation and phytotoxicity of perfluorooctanoic acid in the model plant species <i>Arabidopsis thaliana</i> . <i>Environmental Pollution</i> , 2015, 206, 560-566.	7.5	52
33	The roles of protein and lipid in the accumulation and distribution of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in plants grown in biosolids-amended soils. <i>Environmental Pollution</i> , 2016, 216, 682-688.	7.5	131
34	Toxic effect of perfluorooctanoic acid (PFOA) on germination and seedling growth of wheat (<i>Triticum aestivum</i> L.). <i>Chemosphere</i> , 2016, 159, 420-425.	8.2	55
35	In vivo tracing of organochloride and organophosphorus pesticides in different organs of hydroponically grown malabar spinach (<i>Basella alba</i> L.). <i>Journal of Hazardous Materials</i> , 2016, 316, 52-59.	12.4	53
36	Uptake of polybrominated diphenyl ethers by carrot and lettuce crops grown in compost-amended soils. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3847-3859.	5.3	13
37	Uptake of perfluorooctanoic acid, perfluorooctane sulfonate and perfluorooctane sulfonamide by carrot and lettuce from compost amended soil. <i>Science of the Total Environment</i> , 2016, 571, 444-451.	8.0	84

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38	Toxicity of perfluorooctanoic acid towards earthworm and enzymatic activities in soil. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 424.	2.7	30
39	Influence of salinity and temperature on uptake of perfluorinated carboxylic acids (PFCAs) by hydroponically grown wheat (<i>Triticum aestivum</i> L.). <i>SpringerPlus</i> , 2016, 5, 541.	1.2	30
40	Die Eignung des Wildschweins als Bioindikator für die Kontamination der Umwelt mit perfluorierten Alkylsubstanzen. <i>Journal Für Verbraucherschutz Und Lebensmittelsicherheit</i> , 2016, 11, 71-78.	1.4	1
41	A Robust Method for Routine Analysis of Perfluorooctane Sulfonate (PFOS) and Perfluorohexane Sulfonate (PFHxS) in Various Edible Crop Matrices. <i>Food Analytical Methods</i> , 2017, 10, 2518-2528.	2.6	9
42	Perfluoroalkyl substances in the Maltese environment – (I) surface water and rain water. <i>Science of the Total Environment</i> , 2017, 589, 182-190.	8.0	37
43	Crop bioaccumulation and human exposure of perfluoroalkyl acids through multi-media transport from a mega fluorochemical industrial park, China. <i>Environment International</i> , 2017, 106, 37-47.	10.0	105
44	Fate and redistribution of perfluoroalkyl acids through AFFF-impacted groundwater. <i>Science of the Total Environment</i> , 2017, 596-597, 360-368.	8.0	107
45	Interaction effects on uptake and toxicity of perfluoroalkyl substances and cadmium in wheat (<i>Triticum aestivum</i> L.) and rapeseed (<i>Brassica campestris</i> L.) from co-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 194-201.	6.0	60
46	Oxidative Damage and Cytotoxicity of Perfluorooctane Sulfonate on <i>Chlorella vulgaris</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 127-132.	2.7	18
47	Investigation into perfluoroalkyl substances (PFASs) in a cranberry bog: method development and sampling results. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 2181-2189.	2.3	15
48	Plant Uptake of Per- and Polyfluoroalkyl Substances at a Contaminated Fire Training Facility to Evaluate the Phytoremediation Potential of Various Plant Species. <i>Environmental Science & Technology</i> , 2017, 51, 12602-12610.	10.0	139
49	Ecotoxicity evaluation of PFBSK for the whole environmental compartments and comprehensive comparison of hazard and risk to PFOS. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 2150-2164.	3.4	4
50	Ecological Considerations of Per- and Polyfluoroalkyl Substances (PFAS). <i>Current Pollution Reports</i> , 2017, 3, 289-301.	6.6	80
51	Determination of Trace Perfluoroalkyl Carboxylic Acids in Edible Crop Matrices: Matrix Effect and Method Development. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8763-8772.	5.2	29
52	Soil ecotoxicity of seven endocrine-disrupting chemicals: a review. <i>European Journal of Soil Science</i> , 2017, 68, 621-649.	3.9	13
53	Early life exposure to per- and polyfluoroalkyl substances (PFASs): A critical review. <i>Emerging Contaminants</i> , 2017, 3, 55-68.	4.9	91
54	Global distribution of perfluorochemicals (PFCs) in potential human exposure source – A review. <i>Environment International</i> , 2017, 108, 51-62.	10.0	214
55	Uptake of perfluoroalkyl substances and halogenated flame retardants by crop plants grown in biosolids-amended soils. <i>Environmental Research</i> , 2017, 152, 199-206.	7.5	110

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56	Are Aquaporins (AQPs) the Gateway that Conduits Nutrients, Persistent Organic Pollutants and Perfluoroalkyl Substances (PFASs) into Plants?. Springer Science Reviews, 2017, 5, 31-48.	1.3	5
57	Occurrence, Distribution, and Risk Assessment of Perfluoroalkyl Acids (PFAAs) in Muscle and Liver of Cattle in Xinjiang, China. International Journal of Environmental Research and Public Health, 2017, 14, 970.	2.6	23
58	The role of pollutants in type 2 diabetes mellitus (T2DM) and their prospective impact on phytomedicinal treatment strategies. Environmental Monitoring and Assessment, 2018, 190, 262.	2.7	8
59	Milk as a Natural Product: Foreign Natural and Anthropogenic Organic Compounds in It. Studies in Natural Products Chemistry, 2018, 56, 335-435.	1.8	2
60	Effects to perfluorooctane sulfonate (PFOS) on the mollusk <i>Unio ravoisieri</i> under laboratory exposure. Chemistry and Ecology, 2018, 34, 324-339.	1.6	13
61	Uptake, translocation and biotransformation of N-ethyl perfluorooctanesulfonamide (N-EtFOSA) by hydroponically grown plants. Environmental Pollution, 2018, 235, 404-410.	7.5	47
62	Occurrence of perfluoroalkyl substances (PFAS) in garden produce at homes with a history of PFAS-contaminated drinking water. Chemosphere, 2018, 196, 548-555.	8.2	121
63	Genotypic variation and mechanism in uptake and translocation of perfluorooctanoic acid (PFOA) in lettuce (<i>Lactuca sativa</i> L.) cultivars grown in PFOA-polluted soils. Science of the Total Environment, 2018, 636, 999-1008.	8.0	45
64	Determination of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) in food and beverages. International Journal of Environmental Analytical Chemistry, 2018, 98, 360-368.	3.3	11
65	Per- and polyfluoroalkyl substances (PFASs) in water, soil and plants in wetlands and agricultural areas in Kampala, Uganda. Science of the Total Environment, 2018, 631-632, 660-667.	8.0	150
66	Dietary exposure to perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS): a review of recent literature. Toxin Reviews, 2018, 37, 106-116.	3.4	18
67	Cultivar-Dependent Accumulation and Translocation of Perfluorooctanesulfonate among Lettuce (<i>Lactuca sativa</i> L.) Cultivars Grown on Perfluorooctanesulfonate-Contaminated Soil. Journal of Agricultural and Food Chemistry, 2018, 66, 13096-13106.	5.2	25
68	The perfluoroalkyl substances (PFASs) contamination of fruits and vegetables. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1776-1786.	2.3	29
69	Leaching and bioavailability of selected perfluoroalkyl acids (PFAAs) from soil contaminated by firefighting activities. Science of the Total Environment, 2019, 646, 471-479.	8.0	88
70	Plant Uptake of Perfluoroalkyl and Polyfluoroalkyl Acids under a Maximum Bioavailability Scenario. Environmental Toxicology and Chemistry, 2019, 38, 2497-2502.	4.3	17
71	Distribution of eight perfluoroalkyl acids in plant-soil-water systems and their effect on the soil microbial community. Science of the Total Environment, 2019, 697, 134146.	8.0	53
72	Risks of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) for Sustainable Water Recycling via Aquifers. Water (Switzerland), 2019, 11, 1737.	2.7	23
73	Occurrences of perfluoroalkyl and polyfluoroalkyl substances in tree bark: Interspecies variability related to chain length. Science of the Total Environment, 2019, 689, 1388-1395.	8.0	11

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74	Evaluation of morpho-physiological traits and contaminant accumulation ability in <i>Lemna minor</i> L. treated with increasing perfluorooctanoic acid (PFOA) concentrations under laboratory conditions. <i>Science of the Total Environment</i> , 2019, 695, 133828.	8.0	37
75	Maternal exposure causes mitochondrial dysfunction in brain, liver, and heart of mouse fetus: An explanation for perfluorooctanoic acid induced abortion and developmental toxicity. <i>Environmental Toxicology</i> , 2019, 34, 878-885.	4.0	49
76	Multiple crop bioaccumulation and human exposure of perfluoroalkyl substances around a mega fluorochemical industrial park, China: Implication for planting optimization and food safety. <i>Environment International</i> , 2019, 127, 671-684.	10.0	126
77	Field-scale evaluation of the uptake of Perfluoroalkyl substances from soil by rice in paddy fields in South Korea. <i>Science of the Total Environment</i> , 2019, 671, 714-721.	8.0	38
78	Dechlorane plus in greenhouse and conventional vegetables: Uptake, translocation, dissipation and human dietary exposure. <i>Environmental Pollution</i> , 2019, 244, 667-674.	7.5	16
79	Accumulation of perfluorinated alkyl substances (PFAS) in agricultural plants: A review. <i>Environmental Research</i> , 2019, 169, 326-341.	7.5	361
80	Ecological risk assessment for perfluorooctanoic acid in soil using a species sensitivity approach. <i>Journal of Hazardous Materials</i> , 2020, 382, 121150.	12.4	26
81	Evaluation of perfluoroalkyl substances in field-cultivated vegetables. <i>Chemosphere</i> , 2020, 239, 124750.	8.2	33
82	Perfluorinated substances in the Flemish population (Belgium): Levels and determinants of variability in exposure. <i>Chemosphere</i> , 2020, 242, 125250.	8.2	51
83	Accumulation and phytotoxicity of perfluorooctanoic acid and 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate in <i>Arabidopsis thaliana</i> and <i>Nicotiana benthamiana</i> . <i>Environmental Pollution</i> , 2020, 259, 113817.	7.5	28
84	Distribution of perfluoroalkyl substances (PFASs) in aquatic plant-based systems: From soil adsorption and plant uptake to effects on microbial community. <i>Environmental Pollution</i> , 2020, 257, 113575.	7.5	63
85	Bioaccumulation and human exposure of perfluoroalkyl acids (PFAAs) in vegetables from the largest vegetable production base of China. <i>Environment International</i> , 2020, 135, 105347.	10.0	56
86	Uptake, translocation and toxicity of chlorinated polyfluoroalkyl ether potassium sulfonate (F53B) and chromium co-contamination in water spinach (<i>Ipomoea aquatica</i> Forsk). <i>Environmental Pollution</i> , 2020, 266, 115385.	7.5	18
87	Effect of perfluorooctanesulfonate (PFOS) on the rhizosphere soil nitrogen cycling of two riparian plants. <i>Science of the Total Environment</i> , 2020, 741, 140494.	8.0	19
88	Influence of soil on the uptake of perfluoroalkyl acids by lettuce: A comparison between a hydroponic study and a field study. <i>Chemosphere</i> , 2020, 260, 127608.	8.2	19
89	Assessing Human Health Risks from Per- and Polyfluoroalkyl Substance (PFAS)-Impacted Vegetable Consumption: A Tiered Modeling Approach. <i>Environmental Science & Technology</i> , 2020, 54, 15202-15214.	10.0	57
90	Per- and polyfluoroalkyl substances in soil and sediments: Occurrence, fate, remediation and future outlook. <i>Science of the Total Environment</i> , 2020, 748, 141251.	8.0	75
91	Uptake and accumulation of per- and polyfluoroalkyl substances in plants. <i>Chemosphere</i> , 2020, 261, 127584.	8.2	80

#	ARTICLE	IF	CITATIONS
92	Uptake, accumulation and metabolism of PFASs in plants and health perspectives: A critical review. Critical Reviews in Environmental Science and Technology, 2021, 51, 2745-2776.	12.8	50
93	Diet as an Exposure Source and Mediator of Per- and Polyfluoroalkyl Substance (PFAS) Toxicity. Frontiers in Toxicology, 2020, 2, 601149.	3.1	29
94	Destruction of Perfluoroalkyl Acids Accumulated in <i>Typha latifolia</i> through Hydrothermal Liquefaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 9257-9262.	6.7	31
95	Environmental levels and human body burdens of per- and poly-fluoroalkyl substances in Africa: A critical review. Science of the Total Environment, 2020, 739, 139913.	8.0	33
96	Perfluorooctanoic acid exposure impact a trade-off between self-maintenance and reproduction in lizards (<i>Eremias argus</i>) in a gender-dependent manner. Environmental Pollution, 2020, 262, 114341.	7.5	14
97	Cytotoxicity of perfluorodecanoic acid on mouse primary nephrocytes through oxidative stress: Combined analysis at cellular and molecular levels. Journal of Hazardous Materials, 2020, 393, 122444.	12.4	26
98	Response of cucumber (<i>Cucumis sativus</i>) to perfluorooctanoic acid in photosynthesis and metabolomics. Science of the Total Environment, 2020, 724, 138257.	8.0	33
99	The Effects of Soil Organic Carbon Content on Plant Uptake of Soil Perfluoro Alkyl Acids (PFAAs) and the Potential Regulatory Implications. Environmental Toxicology and Chemistry, 2021, 40, 832-845.	4.3	9
100	Different transport behaviors and mechanisms of perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS) in saturated porous media. Journal of Hazardous Materials, 2021, 402, 123435.	12.4	26
101	Extending the knowledge about PFAS bioaccumulation factors for agricultural plants – A review. Science of the Total Environment, 2021, 766, 142640.	8.0	95
102	An investigation into the long-term binding and uptake of PFOS, PFOA and PFHxS in soil – plant systems. Journal of Hazardous Materials, 2021, 404, 124065.	12.4	22
103	Extraction and derivatization for perfluorocarboxylic acids in liquid and solid matrices: A review. Analytical Science Advances, 2021, 2, 343-353.	2.8	5
104	Environmental and dietary exposure of perfluorooctanoic acid and perfluorooctanesulfonic acid in the Nakdong River, Korea. Environmental Geochemistry and Health, 2021, 43, 347-360.	3.4	18
105	Remediation of poly- and perfluoroalkyl substances (PFAS) contaminated soils – To mobilize or to immobilize or to degrade?. Journal of Hazardous Materials, 2021, 401, 123892.	12.4	169
106	Removal, distribution and plant uptake of perfluorooctane sulfonate (PFOS) in a simulated constructed wetland system. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	29
107	Uptake of perfluorinated alkyl acids by crops: results from a field study. Environmental Sciences: Processes and Impacts, 2021, 23, 1158-1170.	3.5	12
108	Regulating PFAS as a Chemical Class under the California Safer Consumer Products Program. Environmental Health Perspectives, 2021, 129, 25001.	6.0	37
109	How does the Cucurbitaceae family take up organic pollutants (POPs, PAHs, and PPCPs)?. Reviews in Environmental Science and Biotechnology, 2021, 20, 751-779.	8.1	14

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110	Source, transportation, bioaccumulation, distribution and food risk assessment of perfluorinated alkyl substances in vegetables: A review. Food Chemistry, 2021, 349, 129137.	8.2	47
111	A Critical Review of Challenges Faced by Converting Food Waste to Bioenergy Through Anaerobic Digestion and Hydrothermal Liquefaction. Waste and Biomass Valorization, 2022, 13, 781-796.	3.4	8
112	Interactions between Lemna minor (common duckweed) and PFAS intermediates: Perfluorooctanesulfonamide (PFOSA) and 6:2 fluorotelomer sulfonate (6:2 FTSA). Chemosphere, 2021, 276, 130165.	8.2	5
113	Perfluorooctanoic Acid Transport in Soil and Absorption and Distribution in Alfalfa (Medicago) Tj ETQq1 1 0.784314 $\mu\text{g BT} / \text{Overlock } 10 \text{ T}$	1.7	3
114	Fate and budget of poly- and perfluoroalkyl substances in three common garden plants after experimental additions with contaminated river water. Environmental Pollution, 2021, 285, 117115.	7.5	6
115	Distribution, behaviour, bioavailability and remediation of poly- and per-fluoroalkyl substances (PFAS) in solid biowastes and biowaste-treated soil. Environment International, 2021, 155, 106600.	10.0	74
116	Removal of per- and poly-fluoroalkyl substances (PFASs) by wetlands: Prospects on plants, microbes and the interplay. Science of the Total Environment, 2021, 800, 149570.	8.0	22
117	Exposure routes, bioaccumulation and toxic effects of per- and polyfluoroalkyl substances (PFASs) on plants: A critical review. Environment International, 2022, 158, 106891.	10.0	53
118	Sources, Fate, and Plant Uptake in Agricultural Systems of Per- and Polyfluoroalkyl Substances. Current Pollution Reports, 0, , 1.	6.6	53
119	Uptake of halogenated organic compounds (HOCs) into peanut and corn during the whole life cycle grown in an agricultural field. Environmental Pollution, 2020, 263, 114400.	7.5	22
120	Uptake of perfluorooctane sulfonate (PFOS) by common home-grown vegetable plants and potential risks to human health. Environmental Technology and Innovation, 2020, 19, 100863.	6.1	15
121	PFCA uptake and translocation in dominant wheat species (<i>Triticum aestivum</i> L.). International Journal of Phytoremediation, 2018, 20, 68-74.	3.1	24
122	An Overview of Per- and Polyfluoroalkyl Substances (PFAS) in the Environment: Source, Fate, Risk and Regulations. Water (Switzerland), 2020, 12, 3590.	2.7	91
123	Bioconcentration factor of perfluorochemicals for each aerial part of rice. Journal of Applied Biological Chemistry, 2018, 61, 191-194.	0.4	6
124	Comparison of the plant uptake factor of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) from the three different concentrations of PFOA and PFOS in soil to spinach and Welsh onion. Journal of Applied Biological Chemistry, 2020, 63, 243-248.	0.4	8
125	Uptake, Acropetal Translocation, and Enantioselectivity of Perfluorooctane Sulfonate in Maize Coexisting with Copper. Journal of Agricultural and Food Chemistry, 2021, 69, 2062-2068.	5.2	2
126	Critical review on PFOA, kidney cancer, and testicular cancer. Journal of the Air and Waste Management Association, 2021, 71, 1265-1276.	1.9	4
127	Sample Preparation Method for Perfluorochemicals with LC-Tandem Mass Spectrometry in Agricultural Water. Nong'yag Gwahag Hoeji, 2015, 19, 1-4.	0.5	1

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128	Suitability of Remediated PFAS-Affected Soil in Cement Pastes and Mortars. Sustainability, 2020, 12, 4300.	3.2	5
129	Per- and Polyfluoroalkyl Substances (PFAS) in Integrated Crop–Livestock Systems: Environmental Exposure and Human Health Risks. International Journal of Environmental Research and Public Health, 2021, 18, 12550.	2.6	33
130	Montmorillonite clay-based sorbents decrease the bioavailability of per- and polyfluoroalkyl substances (PFAS) from soil and their translocation to plants. Environmental Research, 2022, 205, 112433.	7.5	27
131	CuO nanoparticles modify bioaccumulation of perfluorooctanoic acid in radish (<i>Raphanus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.6	5
132	An Investigation of Thermal Air Degradation and Pyrolysis of Per- and Polyfluoroalkyl Substances and Aqueous Film-Forming Foams in Soil. ACS ES&T Engineering, 2022, 2, 198-209.	7.6	35
133	Translocation, bioaccumulation, and distribution of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in plants. IScience, 2022, 25, 104061.	4.1	27
134	<i>Juncus sarophorus</i> , a native Australian species, tolerates and accumulates PFOS, PFOA and PFHxS in a glasshouse experiment. Science of the Total Environment, 2022, 826, 154184.	8.0	9
135	Bioaccumulation and Translocation of 6:2 Fluorotelomer Sulfonate, GenX, and Perfluoroalkyl Acids by Urban Spontaneous Plants. ACS ES&T Engineering, 2022, 2, 1169-1178.	7.6	20
136	The development of diffusive equilibrium, high-resolution passive samplers to measure perfluoroalkyl substances (PFAS) in groundwater. Chemosphere, 2022, 303, 134686.	8.2	6
137	Targeted Analysis and Total Oxidizable Precursor Assay of Several Insecticides for Pfas. SSRN Electronic Journal, 0, , .	0.4	0
138	Recent progress and challenges on the removal of per- and poly-fluoroalkyl substances (PFAS) from contaminated soil and water. Environmental Science and Pollution Research, 2022, 29, 58405-58428.	5.3	18
139	Impacts of perfluorooctanesulfonic acid on plant biometrics and grain metabolomics of wheat (<i>Triticum aestivum</i> L.). Journal of Hazardous Materials Advances, 2022, 7, 100131.	3.0	3
140	Trophic transfer of PFAS from tomato (<i>Solanum lycopersicum</i>) to tobacco hornworm (<i>Manduca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	7.5	2
141	Targeted analysis and Total Oxidizable Precursor assay of several insecticides for PFAS. Journal of Hazardous Materials Letters, 2022, 3, 100067.	3.6	11
142	Home-produced eggs: An important human exposure pathway of perfluoroalkylated substances (PFAS). Chemosphere, 2022, 308, 136283.	8.2	11
143	Occurrence, fate, and persistence of per- and poly-fluoroalkyl substances (PFASs) during municipal sludge treatment. , 2022, , 227-245.		0
144	Perfluoroalkyl and poly-fluoroalkyl substances (PFASs) accumulation in plants. , 2022, , 57-69.		0
145	Assessing Potential Perfluoroalkyl Substances (PFAS) Trophic Transfer to Crickets (<i>Acheta</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	4.3	1

#	ARTICLE	IF	CITATIONS
146	Plant rhizosphere defense system respond differently to emerging polyfluoroalkyl substances F-53B and PFOS stress. <i>Journal of Hazardous Materials</i> , 2023, 443, 130119.	12.4	1
147	A novel method for extraction, clean-up and analysis of per- and polyfluoroalkyl substances (PFAS) in different plant matrices using LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1212, 123514.	2.3	9
148	Insight into the uptake and translocation of per- and polyfluoroalkyl substances in hydroponically grown lettuce. <i>Environmental Science and Pollution Research</i> , 2022, 29, 85454-85464.	5.3	5
149	Interaction of Perfluorooctanoic Acid with terrestrial plants: Uptake, transfer and phytotoxicity aspects. <i>Environmental Pollutants and Bioavailability</i> , 2022, 34, 518-526.	3.0	2
150	Critical review on phytoremediation of polyfluoroalkyl substances from environmental matrices: Need for global concern. <i>Environmental Research</i> , 2023, 217, 114844.	7.5	17
151	Infant formula and baby food as a source of perfluoroalkyl substances for infants. <i>Environmental Pollution</i> , 2023, 317, 120810.	7.5	2
152	¹ H-Nuclear Magnetic Resonance Metabolomics Analysis of <i>Arabidopsis thaliana</i> Exposed to Perfluorooctanoic Acid and Perfluorooctanesulfonic Acid. <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 663-672.	4.3	1
153	Occurrence and fate of contaminants of emerging concern and their transformation products after uptake by pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>). <i>Environmental Pollution</i> , 2023, 319, 120958.	7.5	6
154	Phytoremediation of fluoroalkylethers (ether-PFASs): A review on bioaccumulation and ecotoxicological effects. <i>Science of the Total Environment</i> , 2023, 865, 161260.	8.0	2
155	Bioaccumulation of Per- and Polyfluoroalkyl Substances (PFAS) in Ferns: Effect of PFAS Molecular Structure and Plant Root Characteristics. <i>Environmental Science & Technology</i> , 2023, 57, 4443-4453.	10.0	9
156	Residue Distribution and Daily Exposure of Per- and Polyfluoroalkyl Substances in Indica and Japonica Rice. <i>Environmental Science & Technology</i> , 2023, 57, 4208-4218.	10.0	6
157	Phytoextraction of per- and polyfluoroalkyl substances (PFAS) by weeds: Effect of PFAS physicochemical properties and plant physiological traits. <i>Journal of Hazardous Materials</i> , 2023, 454, 131492.	12.4	6
158	Occurrence and risk assessments of per- and polyfluoroalkyl substances in tea bags from India. <i>Food Control</i> , 2023, 151, 109812.	5.5	4
159	Joint effects of CuO nanoparticles and perfluorooctanoic acid on cabbage (<i>Brassica pekinensis</i> L.). <i>Environmental Science and Pollution Research</i> , 2023, 30, 66745-66752.	5.3	0
160	Phytoextraction of per- and polyfluoroalkyl substances (PFAS) and the influence of supplements on the performance of short-rotation crops. <i>Environmental Pollution</i> , 2023, 333, 122038.	7.5	1
161	Linking drivers of plant per- and polyfluoroalkyl substance (PFAS) uptake to agricultural land management decisions. <i>Biointerphases</i> , 2023, 18, .	1.6	3
162	Greenhouse-Scale Comparison of 10 Native Pacific Northwest Plants for the Removal of Per- and Polyfluoroalkyl Substances from Stormwater. <i>ACS ES&T Engineering</i> , 0, , .	7.6	0
163	Per-and polyfluoroalkyl substances (PFAS) as a health hazard: Current state of knowledge and strategies in environmental settings across Asia and future perspectives. <i>Chemical Engineering Journal</i> , 2023, 475, 145064.	12.7	8

#	ARTICLE	IF	CITATIONS
164	Current progress on fluoride occurrence in the soil environment: Sources, transformation, regulations and remediation. Chemosphere, 2023, 341, 139901.	8.2	3
165	The effects of per- and polyfluoroalkyl substances on environmental and human microorganisms and their potential for bioremediation. Arhiv Za Higijenu Rada I Toksikologiju, 2023, 74, 167-178.	0.7	0
166	Toxicity assessment of perfluorooctanesulfonic acid (PFOS) on a spontaneous plant, velvetleaf (Abutilon theophrasti), via metabolomics. Science of the Total Environment, 2024, 907, 167894.	8.0	1
167	The potential of phytoremediation technology as a panacea for per- and poly-fluoroalkyl substances-contaminated soil. Chemical Papers, 2024, 78, 2079-2099.	2.2	0
168	PFAS remediation in soil: An evaluation of carbon-based materials for contaminant sequestration. Environmental Pollution, 2024, 344, 123335.	7.5	0
169	Uptake, translocation, and metabolism of organophosphate esters (OPEs) in plants and health perspective for human: A review. Environmental Research, 2024, 249, 118431.	7.5	0