Jinxia Liu

List of Publications by Year
in descending order

63	4,138	87888 38	114465 63
papers	citations	h-index	g-index

63	63	63	2772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reduced bioaccumulation of fluorotelomer sulfonates and perfluoroalkyl acids in earthworms (Eisenia fetida) from soils amended with modified clays. Journal of Hazardous Materials, 2022, 423, 126999.	12.4	6
2	Target and Nontarget Screening of PFAS in Biosolids, Composts, and Other Organic Waste Products for Land Application in France. Environmental Science & Technology, 2022, 56, 6056-6068.	10.0	70
3	Novel and legacy per- and polyfluoroalkyl substances (PFAS) in freshwater sporting fish from background and firefighting foam impacted ecosystems in Eastern Canada. Science of the Total Environment, 2022, 816, 151563.	8.0	17
4	Microbial biotransformation of aqueous film-forming foam derived polyfluoroalkyl substances. Science of the Total Environment, 2022, 824, 153711.	8.0	20
5	Fish Exhibit Distinct Fluorochemical and Î´15N Isotopic Signatures in the St. Lawrence River Impacted by Municipal Wastewater Effluents. Frontiers in Environmental Science, 2022, 10, .	3.3	2
6	<scp>PFAS</scp> are forever? The state of the science and research needs for analyzing and treating <scp>PFAS</scp>â€laden water. AWWA Water Science, 2022, 4, .	2.1	3
7	Per- and Polyfluoroalkyl Substances in Contaminated Soil and Groundwater at Airports: A Canadian Case Study. Environmental Science & Technology, 2022, 56, 885-895.	10.0	47
8	Removal of Zwitterionic PFAS by MXenes: Comparisons with Anionic, Nonionic, and PFAS-Specific Resins. Environmental Science & Technology, 2022, 56, 6212-6222.	10.0	21
9	Bioaccumulation and trophic magnification of emerging and legacy per- and polyfluoroalkyl substances (PFAS) in a St. Lawrence River food web. Environmental Pollution, 2022, 309, 119739.	7.5	35
10	Stability of Nitrogen-Containing Polyfluoroalkyl Substances in Aerobic Soils. Environmental Science & Technology, 2021, 55, 4698-4708.	10.0	34
11	Fate and transport of per- and polyfluoroalkyl substances (PFASs) in the vadose zone. Science of the Total Environment, 2021, 771, 145427.	8.0	69
12	Environmental Sources, Chemistry, Fate, and Transport of Perâ€•and Polyfluoroalkyl Substances: State of the Science, Key Knowledge Gaps, and Recommendations Presented at the August 2019 SETAC Focus Topic Meeting. Environmental Toxicology and Chemistry, 2021, 40, 3234-3260.	4.3	49
13	STXM-XANES and computational investigations of adsorption of per- and polyfluoroalkyl substances on modified clay. Water Research, 2021, 201, 117371.	11.3	22
14	Modified clays reduce leaching of perâ€•and polyfluoroalkyl substances from <scp>AFFF</scp>â€contaminated soils. AWWA Water Science, 2021, 3, e1241.	2.1	6
15	A portable analytical system for rapid on-site determination of total nitrogen in water. Water Research, 2021, 202, 117410.	11.3	12
16	Assessing the risk from trace organic contaminants released via greywater irrigation to the aquatic environment. Water Research, 2021, 205, 117664.	11.3	13
17	Enhancing Interface Reactions by Introducing Microbubbles into a Plasma Treatment Process for Efficient Decomposition of PFOA. Environmental Science & Technology, 2021, 55, 16067-16077.	10.0	69
18	Density Functional Theory Calculations Decipher Complex Reaction Pathways of 6:2 Fluorotelomer Sulfonate to Perfluoroalkyl Carboxylates Initiated by Hydroxyl Radical. Environmental Science & Technology, 2021, 55, 16655-16664.	10.0	21

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19	Molecular mechanisms of per- and polyfluoroalkyl substances on a modified clay: a combined experimental and molecular simulation study. Water Research, 2020, 184, 116166.	11.3	62
20	Fast Generation of Perfluoroalkyl Acids from Polyfluoroalkyl Amine Oxides in Aerobic Soils. Environmental Science and Technology Letters, 2020, 7, 714-720.	8.7	26
21	Occurrence and Distribution of Per- and Polyfluoroalkyl Substances in Tianjin, China: The Contribution of Emerging and Unknown Analogues. Environmental Science & Technology, 2020, 54, 14254-14264.	10.0	85
22	Transformation of 6:2 Fluorotelomer Sulfonate by Cobalt(II)-Activated Peroxymonosulfate. Environmental Science & Technology, 2020, 54, 4631-4640.	10.0	49
23	Sorption of Polyfluoroalkyl Surfactants on Surface Soils: Effect of Molecular Structures, Soil Properties, and Solution Chemistry. Environmental Science & Technology, 2020, 54, 1513-1521.	10.0	80
24	Bioaccumulation of Zwitterionic Polyfluoroalkyl Substances in Earthworms Exposed to Aqueous Film-Forming Foam Impacted Soils. Environmental Science & Technology, 2020, 54, 1687-1697.	10.0	31
25	Degradation and defluorination of 6:2 fluorotelomer sulfonamidoalkyl betaine and 6:2 fluorotelomer sulfonate by Gordonia sp. strain NB4-1Y under sulfur-limiting conditions. Science of the Total Environment, 2019, 647, 690-698.	8.0	115
26	New Insights into the Degradation Mechanism of Perfluorooctanoic Acid by Persulfate from Density Functional Theory and Experimental Data. Environmental Science & Technology, 2019, 53, 8672-8681.	10.0	91
27	Column chromatography approach to determine mobility of fluorotelomer sulfonates and polyfluoroalkyl betaines. Science of the Total Environment, 2019, 683, 480-488.	8.0	14
28	Analysis of F-53B, Gen-X, ADONA, and emerging fluoroalkylether substances in environmental and biomonitoring samples: A review. Trends in Environmental Analytical Chemistry, 2019, 23, e00066.	10.3	123
29	Transformation of novel polyfluoroalkyl substances (PFASs) as co-contaminants during biopile remediation of petroleum hydrocarbons. Journal of Hazardous Materials, 2019, 362, 140-147.	12.4	43
30	Zwitterionic, cationic, and anionic perfluoroalkyl and polyfluoroalkyl substances integrated into total oxidizable precursor assay of contaminated groundwater. Talanta, 2019, 195, 533-542.	5.5	111
31	Isomer-specific biotransformation of perfluoroalkyl sulfonamide compounds in aerobic soil. Science of the Total Environment, 2019, 651, 766-774.	8.0	34
32	Degradation of aniline in aqueous solution using non-thermal plasma generated in microbubbles. Chemical Engineering Journal, 2018, 345, 679-687.	12.7	120
33	Sorption of Perfluoroalkyl Acids to Fresh and Aged Nanoscale Zerovalent Iron Particles. Environmental Science & Technology, 2018, 52, 6300-6308.	10.0	37
34	Sorption and desorption of anionic, cationic and zwitterionic polyfluoroalkyl substances by soil organic matter and pyrogenic carbonaceous materials. Chemical Engineering Journal, 2018, 346, 682-691.	12.7	70
35	Worldwide drinking water occurrence and levels of newly-identified perfluoroalkyl and polyfluoroalkyl substances. Science of the Total Environment, 2018, 616-617, 1089-1100.	8.0	202
36	Remediation of soil contaminated by fluorene using needle-plate pulsed corona discharge plasma. Chemical Engineering Journal, 2018, 334, 2124-2133.	12.7	50

#	Article	IF	Citations
37	ZÃ¼rich Statement on Future Actions on Per- and Polyfluoroalkyl Substances (PFASs). Environmental Health Perspectives, 2018, 126, 84502.	6.0	91
38	Degradation of Phenol in Water Using a Novel Gas-Liquid Two-Phase Dielectric Barrier Discharge Plasma Reactor. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	15
39	Optimization of extraction methods for comprehensive profiling of perfluoroalkyl and polyfluoroalkyl substances in firefighting foam impacted soils. Analytica Chimica Acta, 2018, 1034, 74-84.	5.4	63
40	Assessment of the Influence of Soil Characteristics and Hydrocarbon Fuel Cocontamination on the Solvent Extraction of Perfluoroalkyl and Polyfluoroalkyl Substances. Analytical Chemistry, 2017, 89, 2539-2546.	6.5	46
41	Environmental Occurrence of Perfluoroalkyl Acids and Novel Fluorotelomer Surfactants in the Freshwater Fish Catostomus commersonii and Sediments Following Firefighting Foam Deployment at the Lac-MÃ©gantic Railway Accident. Environmental Science & Technology, 2017, 51, 1231-1240.	10.0	97
42	Kinetic analysis of aerobic biotransformation pathways of a perfluorooctane sulfonate (PFOS) precursor in distinctly different soils. Environmental Pollution, 2017, 229, 159-167.	7.5	38
43	Novel Fluoroalkylated Surfactants in Soils Following Firefighting Foam Deployment During the Lac-MÃ©gantic Railway Accident. Environmental Science & Technology, 2017, 51, 8313-8323.	10.0	98
44	Generation of Perfluoroalkyl Acids from Aerobic Biotransformation of Quaternary Ammonium Polyfluoroalkyl Surfactants. Environmental Science & Technology, 2016, 50, 9923-9932.	10.0	118
45	Aerobic biotransformation of polyfluoroalkyl phosphate esters (PAPs) in soil. Environmental Pollution, 2016, 212, 230-237.	7.5	77
46	Analysis of zwitterionic, cationic, and anionic poly- and perfluoroalkyl surfactants in sediments by liquid chromatography polarity-switching electrospray ionization coupled to high resolution mass spectrometry. Talanta, 2016, 152, 447-456.	5.5	82
47	Surface modification of activated carbon for enhanced adsorption of perfluoroalkyl acids from aqueous solutions. Chemosphere, 2016, 144, 1224-1232.	8.2	67
48	A Fast Colourimetric Assay for Lead Detection Using Label-Free Gold Nanoparticles (AuNPs). Micromachines, 2015, 6, 462-472.	2.9	21
49	Quantitative analysis of poly- and perfluoroalkyl compounds in water matrices using high resolution mass spectrometry: Optimization for a laser diode thermal desorption method. Analytica Chimica Acta, 2015, 881, 98-106.	5.4	40
50	Adsorption of perfluoroalkyl acids by carbonaceous adsorbents: Effect of carbon surface chemistry. Environmental Pollution, 2015, 202, 168-176.	7.5	72
51	Comment on â€œBiodegradation of perfluorooctanesulfonate (PFOS) as an emerging contaminantâ€• Chemosphere, 2015, 138, 1037-1038.	8.2	12
52	Production of PFOS from aerobic soil biotransformation of two perfluoroalkyl sulfonamide derivatives. Chemosphere, 2015, 119, 1084-1090.	8.2	146
53	A portable lab-on-a-chip system for gold-nanoparticle-based colorimetric detection of metal ions in water. Biomicrofluidics, 2014, 8, 052107.	2.4	33
54	Microbial degradation of polyfluoroalkyl chemicals in the environment: A review. Environment International, 2013, 61, 98-114.	10.0	354

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55	Aerobic Soil Biodegradation of 8:2 Fluorotelomer Stearate Monoester. Environmental Science & Technology, 2012, 46, 3831-3836.	10.0	55
56	6:2 Fluorotelomer sulfonate aerobic biotransformation in activated sludge of waste water treatment plants. Chemosphere, 2011, 82, 853-858.	8.2	234
57	Hydrolysis of fluorotelomer compounds leading to fluorotelomer alcohol production during solvent extractions of soils. Chemosphere, 2010, 81, 911-917.	8.2	18
58	6-2 Fluorotelomer alcohol aerobic biodegradation in soil and mixed bacterial culture. Chemosphere, 2010, 78, 437-444.	8.2	157
59	Aerobic biodegradation of [14C] 6:2 fluorotelomer alcohol in a flow-through soil incubation system. Chemosphere, 2010, 80, 716-723.	8.2	70
60	Effect of Fluorotelomer Alcohol Chain Length on Aqueous Solubility and Sorption by Soils. Environmental Science & Technology, 2007, 41, 5357-5362.	10.0	62
61	Biotransformation of 8:2 Fluorotelomer Alcohol in Soil and by Soil Bacteria Isolates. Environmental Science & Technology, 2007, 41, 8024-8030.	10.0	120
62	Adhesion ofPseudomonas fluorescensonto nanophase materials. Nanotechnology, 2005, 16, S449-S457.	2.6	18
63	Solubility and Sorption by Soils of 8:2 Fluorotelomer Alcohol in Water and Cosolvent Systems. Environmental Science & Technology, 2005, 39, 7535-7540.	10.0	75