# Rolf Halden

List of Publications by Year
in descending order

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| 216 papers | 13,700 citations | 19657 61 h-index | 24258 110 g-index |
| 225 all docs | 225 docs citations | 225 times ranked | 15844 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plastics and Health Risks. Annual Review of Public Health, 2010, 31, 179-194. | 17.4 | 616 |
| 2 | Co-Occurrence of Triclocarban and Triclosan in U.S. Water Resources. Environmental Science & Technology, 2005, 39, 1420-1426. | 10.0 | 544 |
| 3 | Cord Serum Concentrations of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoate (PFOA) in Relation to Weight and Size at Birth. Environmental Health Perspectives, 2007, 115, 1670-1676. | 6.0 | 519 |
| 4 | Pharmaceuticals and personal care products in archived U.S. biosolids from the 2001 EPA national sewage sludge survey. Water Research, 2010, 44, 658-668. | 11.3 | 447 |
| 5 | Computational analysis of SARS-CoV-2/COVID-19 surveillance by wastewater-based epidemiology locally and globally: Feasibility, economy, opportunities and challenges. Science of the Total Environment, 2020, 730, 138875. | 8.0 | 431 |
| 6 | Comparison of Land, Water, and Energy Requirements of Lettuce Grown Using Hydroponic vs. Conventional Agricultural Methods. International Journal of Environmental Research and Public Health, 2015, 12, 6879-6891. | 2.6 | 330 |
| 7 | The vertical distribution and biological transport of marine microplastics across the epipelagic and mesopelagic water column. Scientific Reports, 2019, 9, 7843. | 3.3 | 325 |
| 8 | Plastics and environmental health: the road ahead. Reviews on Environmental Health, 2013, 28, 1-8. | 2.4 | 310 |
| 9 | Mass balance assessment of triclosan removal during conventional sewage treatment. Chemosphere, 2007, 66, 362-369. | 8.2 | 291 |
| 10 | Occurrence and loss over three years of 72 pharmaceuticals and personal care products from biosolidsâ€“soil mixtures in outdoor mesocosms. Water Research, 2010, 44, 6011-6020. | 11.3 | 291 |
| 11 | Environmental Exposure of Aquatic and Terrestrial Biota to Triclosan and Triclocarban<sup>1</sup>. Journal of the American Water Resources Association, 2009, 45, 4-13. | 2.4 | 263 |
| 12 | On the Need and Speed of Regulating Triclosan and Triclocarban in the United States. Environmental Science & Technology, 2014, 48, 3603-3611. | 10.0 | 251 |
| 13 | Partitioning, Persistence, and Accumulation in Digested Sludge of the Topical Antiseptic Triclocarban during Wastewater Treatment. Environmental Science & Technology, 2006, 40, 3634-3639. | 10.0 | 240 |
| 14 | Role of Environmental Contaminants in the Etiology of Alzheimer’s Disease: A Review. Current Alzheimer Research, 2015, 12, 116-146. | 1.4 | 217 |
| 15 | Fate of Triclosan and Evidence for Reductive Dechlorination of Triclocarban in Estuarine Sediments. Environmental Science & Technology, 2008, 42, 4570-4576. | 10.0 | 203 |
| 16 | Characterization, Recovery Opportunities, and Valuation of Metals in Municipal Sludges from U.S. Wastewater Treatment Plants Nationwide. Environmental Science & Technology, 2015, 49, 9479-9488. | 10.0 | 199 |
| 17 | Determinants of Fetal Exposure to Polyfluoroalkyl Compounds in Baltimore, Maryland. Environmental Science & Technology, 2007, 41, 3891-3897. | 10.0 | 188 |
| 18 | Does the Recent Growth of Aquaculture Create Antibiotic Resistance Threats Different from those Associated with Land Animal Production in Agriculture?. AAPS Journal, 2015, 17, 513-524. | 4.4 | 187 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Birth Delivery Mode Modifies the Associations between Prenatal Polychlorinated Biphenyl (PCB) and Polybrominated Diphenyl Ether (PBDE) and Neonatal Thyroid Hormone Levels. Environmental Health Perspectives, 2008, 116, 1376-1382. | 6.0 | 182 |
| 20 | Global DNA hypomethylation is associated with in utero exposure to cotinine and perfluorinated alkyl compounds. Epigenetics, 2010, 5, 539-546. | 2.7 | 172 |
| 21 | Occurrence and estrogenic potency of eight bisphenol analogs in sewage sludge from the U.S. EPA targeted national sewage sludge survey. Journal of Hazardous Materials, 2015, 299, 733-739. | 12.4 | 171 |
| 22 | Association of birth outcomes with fetal exposure to parabens, triclosan and triclocarban in an immigrant population in Brooklyn, New York. Journal of Hazardous Materials, 2017, 323, 177-183. | 12.4 | 154 |
| 23 | Human Fetal Exposure to Triclosan and Triclocarban in an Urban Population from Brooklyn, New York. Environmental Science & Technology, 2014, 48, 8831-8838. | 10.0 | 151 |
| 24 | Responses of Nannochloropsis oceanica IMET1 to Long-Term Nitrogen Starvation and Recovery Â Â Â. Plant Physiology, 2013, 162, 1110-1126. | 4.8 | 149 |
| 25 | Municipal sewage sludge as a source of microplastics in the environment. Current Opinion in Environmental Science and Health, 2020, 14, 16-22. | 4.1 | 146 |
| 26 | The Florence Statement on Triclosan and Triclocarban. Environmental Health Perspectives, 2017, 125, 064501. | 6.0 | 144 |
| 27 | Organic Contaminants in Chinese Sewage Sludge: A Meta-Analysis of the Literature of the Past 30 Years. Environmental Science & Technology, 2016, 50, 5454-5466. | 10.0 | 139 |
| 28 | Meta-Analysis of Mass Balances Examining Chemical Fate during Wastewater Treatment. Environmental Science & Technology, 2008, 42, 6324-6332. | 10.0 | 138 |
| 29 | National inventory of perfluoroalkyl substances in archived U.S. biosolids from the 2001 EPA National Sewage Sludge Survey. Journal of Hazardous Materials, 2013, 252-253, 413-418. | 12.4 | 129 |
| 30 | Antimicrobial Chemicals Are Associated with Elevated Antibiotic Resistance Genes in the Indoor Dust Microbiome. Environmental Science & Technology, 2016, 50, 9807-9815. | 10.0 | 125 |
| 31 | An 81-Nucleotide Deletion in SARS-CoV-2 ORF7a Identified from Sentinel Surveillance in Arizona (January to March 2020). Journal of Virology, 2020, 94, . | 3.4 | 121 |
| 32 | Detection of triclocarban and two co-contaminating chlorocarbanilides in US aquatic environments using isotope dilution liquid chromatography tandem mass spectrometry. Environmental Research, 2007, 103, 21-29. | 7.5 | 120 |
| 33 | Determinants of Prenatal Exposure to Polychlorinated Biphenyls (PCBs) and Polybrominated Diphenyl Ethers (PBDEs) in an Urban Population. Environmental Health Perspectives, 2007, 115, 1794-1800. | 6.0 | 119 |
| 34 | Mass Balance Assessment for Six Neonicotinoid Insecticides During Conventional Wastewater and Wetland Treatment: Nationwide Reconnaissance in United States Wastewater. Environmental Science & Technology, 2016, 50, 6199-6206. | 10.0 | 115 |
| 35 | Reconnaissance of 47 antibiotics and associated microbial risks in seafood sold in the United States. Journal of Hazardous Materials, 2015, 282, 10-17. | 12.4 | 112 |
| 36 | Analysis of gold nanoparticle mixtures: a comparison of hydrodynamic chromatography (HDC) and asymmetrical flow field-flow fractionation (AF4) coupled to ICP-MS. Journal of Analytical Atomic Spectrometry, 2012, 27, 1532. | 3.0 | 111 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Chemical and physical changes of microplastics during sterilization by chlorination. Water Research, 2019, 163, 114871. | 11.3 | 110 |
| 38 | Analysis of Triclocarban in Aquatic Samples by Liquid Chromatography Electrospray Ionization Mass Spectrometry. Environmental Science & Technology, 2004, 38, 4849-4855. | 10.0 | 108 |
| 39 | Pre-genomic, genomic and post-genomic study of microbial communities involved in bioenergy. Nature Reviews Microbiology, 2008, 6, 604-612. | 28.6 | 107 |
| 40 | Genome Sequence of the Dioxin-Mineralizing Bacterium Sphingomonas wittichii RW1. Journal of Bacteriology, 2010, 192, 6101-6102. | 2.2 | 93 |
| 41 | High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. Water Research, 2021, 205, 117710. | 11.3 | 93 |
| 42 | Occurrence of triclosan, triclocarban, and its lesser chlorinated congeners in Minnesota freshwater sediments collected near wastewater treatment plants. Journal of Hazardous Materials, 2012, 229-230, 29-35. | 12.4 | 91 |
| 43 | Ab Initio and in Situ Comparison of Caffeine, Triclosan, and Triclocarban as Indicators of Sewage-Derived Microbes in Surface Waters. Environmental Science & Technology, 2008, 42, 3335-3340. | 10.0 | 90 |
| 44 | Wastewater Treatment Plants as Chemical Observatories to Forecast Ecological and Human Health Risks of Manmade Chemicals. Scientific Reports, 2014, 4, 3731. | 3.3 | 90 |
| 45 | Feather Meal: A Previously Unrecognized Route for Reentry into the Food Supply of Multiple Pharmaceuticals and Personal Care Products (PPCPs). Environmental Science & Technology, 2012, 46, 3795-3802. | 10.0 | 85 |
| 46 | Transformation Products and Human Metabolites of Triclocarban and Triclosan in Sewage Sludge Across the United States. Environmental Science & Technology, 2014, 48, 7881-7890. | 10.0 | 85 |
| 47 | Critical review of major sources of human exposure to N-nitrosamines. Chemosphere, 2018, 210, 1124-1136. | 8.2 | 85 |
| 48 | Maternal and fetal exposure to parabens in a multiethnic urban U.S. population. Environment International, 2015, 84, 193-200. | 10.0 | 82 |
| 49 | Assessment of human exposure to triclocarban, triclosan and five parabens in U.S. indoor dust using dispersive solid phase extraction followed by liquid chromatography tandem mass spectrometry. Journal of Hazardous Materials, 2018, 360, 623-630. | 12.4 | 79 |
| 50 | Aerobic Biodegradation of Methyl tert -Butyl Ether by Aquifer Bacteria from Leaking Underground Storage Tank Sites. Applied and Environmental Microbiology, 2001, 67, 5824-5829. | 3.1 | 77 |
| 51 | United States National Sewage Sludge Repository at Arizona State Universityâ€”a new resource and research tool for environmental scientists, engineers, and epidemiologists. Environmental Science and Pollution Research, 2015, 22, 1577-1586. | 5.3 | 77 |
| 52 | Nationwide reconnaissance of five parabens, triclosan, triclocarban and its transformation products in sewage sludge from China. Journal of Hazardous Materials, 2019, 365, 502-510. | 12.4 | 77 |
| 53 | Analysis of Perchlorate in Groundwater by Electrospray Ionization Mass Spectrometry/Mass Spectrometry. Environmental Science & Technology, 2000, 34, 1862-1864. | 10.0 | 76 |
| 54 | Polyethylene Terephthalate and Polycarbonate Microplastics in Sewage Sludge Collected from the United States. Environmental Science and Technology Letters, 2019, 6, 650-655. | 8.7 | 76 |

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|---|---|---|---|
| 55 | Epistemology of contaminants of emerging concern and literature meta-analysis. Journal of Hazardous Materials, 2015, 282, 2-9. | 12.4 | 73 |
| 56 | Passage of fiproles and imidacloprid from urban pest control uses through wastewater treatment plants in northern California, USA. Environmental Toxicology and Chemistry, 2017, 36, 1473-1482. | 4.3 | 71 |
| 57 | Fate of organohalogens in US wastewater treatment plants and estimated chemical releases to soils nationwide from biosolids recycling. Journal of Environmental Monitoring, 2009, 11, 2207. | 2.1 | 70 |
| 58 | Degradation of 3-Phenoxybenzoic Acid in Soil by Pseudomonas pseudoalcaligenes POB310(pPOB) and Two Modified Pseudomonas Strains. Applied and Environmental Microbiology, 1999, 65, 3354-3359. | 3.1 | 70 |
| 59 | Persistence of triclocarban and triclosan in soils after land application of biosolids and bioaccumulation in Eisenia foetida. Environmental Toxicology and Chemistry, 2011, 30, 556-563. | 4.3 | 69 |
| 60 | Meta-analysis of ionic liquid literature and toxicology. Chemosphere, 2016, 150, 266-274. | 8.2 | 67 |
| 61 | A nationwide survey of 31 organophosphate esters in sewage sludge from the United States. Science of the Total Environment, 2019, 655, 446-453. | 8.0 | 67 |
| 62 | Removal of Dibenzofuran, Dibenzo- p -Dioxin, and 2-Chlorodibenzo- p -Dioxin from Soils Inoculated with Sphingomonas sp. Strain RW1. Applied and Environmental Microbiology, 1999, 65, 2246-2249. | 3.1 | 64 |
| 63 | Antimicrobial Chemicals Associate with Microbial Function and Antibiotic Resistance Indoors. MSystems, 2018, 3, . | 3.8 | 63 |
| 64 | BIOACCUMULATION OF TRICLOCARBAN IN LUMBRICULUS VARIEGATUS. Environmental Toxicology and Chemistry, 2009, 28, 2580. | 4.3 | 60 |
| 65 | Prenatal mercury concentration is associated with changes in DNA methylation atTCEANC2in newborns. International Journal of Epidemiology, 2015, 44, 1249-1262. | 1.9 | 60 |
| 66 | Alcohol and nicotine consumption trends in three U.S. communities determined by wastewater-based epidemiology. Science of the Total Environment, 2019, 656, 174-183. | 8.0 | 60 |
| 67 | Extraction and Quantification of Carbon Nanotubes in Biological Matrices with Application to Rat Lung Tissue. ACS Nano, 2013, 7, 8849-8856. | 14.6 | 58 |
| 68 | Brominated flame retardants in U.S. biosolids from the EPA national sewage sludge survey and chemical persistence in outdoor soil mesocosms. Water Research, 2014, 55, 133-142. | 11.3 | 58 |
| 69 | High-throughput multi-residue quantification of contaminants of emerging concern in wastewaters enabled using direct injection liquid chromatography-tandem mass spectrometry. Journal of Hazardous Materials, 2020, 398, 122933. | 12.4 | 56 |
| 70 | Evaluation of Standard Methods for the Analysis of Methyltert-Butyl Ether and Related Oxygenates in Gasoline-Contaminated Groundwater. Environmental Science & Technology, 2001, 35, 1469-1474. | 10.0 | 53 |
| 71 | Tracking narcotics consumption at a Southwestern U.S. university campus by wastewater-based epidemiology. Journal of Hazardous Materials, 2018, 359, 437-444. | 12.4 | 53 |
| 72 | Long-term tracking of opioid consumption in two United States cities using wastewater-based epidemiology approach. Water Research, 2019, 161, 171-180. | 11.3 | 52 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 73 | Modeling wastewater temperature and attenuation of sewage-borne biomarkers globally. Water Research, 2020, 172, 115473. | 11.3 | 51 |
| 74 | Development and characterization of DehaloR^2, a novel anaerobic microbial consortium performing rapid dechlorination of TCE to ethene. Applied Microbiology and Biotechnology, 2011, 92, 1063-1071. | 3.6 | 50 |
| 75 | Managing methanogens and homoacetogens to promote reductive dechlorination of trichloroethene with direct delivery of H<sub>2</sub> in a membrane biofilm reactor. Biotechnology and Bioengineering, 2012, 109, 2200-2210. | 3.3 | 49 |
| 76 | Mass Balance of Fipronil and Total Toxicity of Fipronil-Related Compounds in Process Streams during Conventional Wastewater and Wetland Treatment. Environmental Science & Technology, 2016, 50, 1519-1526. | 10.0 | 49 |
| 77 | Effect of Nanoscale Zero-Valent Iron Treatment on Biological Reductive Dechlorination: A Review of Current Understanding and Research Needs. Critical Reviews in Environmental Science and Technology, 2015, 45, 1148-1175. | 12.8 | 48 |
| 78 | Critical review of factors governing data quality of integrative samplers employed in environmental water monitoring. Water Research, 2016, 94, 200-207. | 11.3 | 48 |
| 79 | Characterization and Liquid Chromatography-MS/MS Based Quantification of Hydroxylated Fullerenes. Analytical Chemistry, 2011, 83, 1777-1783. | 6.5 | 46 |
| 80 | National inventory of alkylphenol ethoxylate compounds in U.S. sewage sludges and chemical fate in outdoor soil mesocosms. Environmental Pollution, 2013, 174, 189-193. | 7.5 | 46 |
| 81 | Body burdens of mercury, lead, selenium and copper among Baltimore newborns. Environmental Research, 2011, 111, 411-417. | 7.5 | 45 |
| 82 | Retrospective nationwide occurrence of fipronil and its degradates in U.S. wastewater and sewage sludge from 2001 - 2016. Water Research, 2019, 155, 465-473. | 11.3 | 45 |
| 83 | Alcohol, nicotine, and caffeine consumption on a public U.S. university campus determined by wastewater-based epidemiology. Science of the Total Environment, 2020, 727, 138492. | 8.0 | 45 |
| 84 | Geochemistry and microbial diversity of a trichloroethene-contaminated Superfund site undergoing intrinsic in situ reductive dechlorination. FEMS Microbiology Ecology, 2002, 40, 123-134. | 2.7 | 44 |
| 85 | Strategies for quantifying C60 fullerenes in environmental and biological samples and implications for studies in environmental health and ecotoxicology. TrAC - Trends in Analytical Chemistry, 2011, 30, 44-57. | 11.4 | 44 |
| 86 | Role of bicarbonate as a pH buffer and electron sink in microbial dechlorination of chloroethenes. Microbial Cell Factories, 2012, 11, 128. | 4.0 | 44 |
| 87 | Polycyclic Aromatic Hydrocarbons in Human Milk of Nonsmoking U.S. Women. Environmental Science & Technology, 2008, 42, 2663-2667. | 10.0 | 43 |
| 88 | Methods and challenges in the detection of microplastics and nanoplastics: a miniâ€review. Polymer International, 2022, 71, 543-551. | 3.1 | 43 |
| 89 | Pharmaceuticals in the Built and Natural Water Environment of the United States. Water (Switzerland), 2013, 5, 1346-1365. | 2.7 | 42 |
| 90 | Opportunities and limits of wastewater-based epidemiology for tracking global health and attainment of UN sustainable development goals. Environment International, 2022, 163, 107217. | 10.0 | 41 |

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|---|---|---|---|
| 91 | Fetal Exposure to Chlordane and Permethrin Mixtures in Relation to Inflammatory Cytokines and Birth Outcomes. Environmental Science & Technology, 2011, 45, 1680-1687. | 10.0 | 40 |
| 92 | Contribution of Polybrominated Dibenzo-p-dioxins and Dibenzofurans (PBDD/Fs) to the Toxic Equivalency of Dioxin-like Compounds in Archived Biosolids from the U.S. EPAâ€™s 2001 National Sewage Sludge Survey. Environmental Science & Technology, 2014, 48, 10843-10849. | 10.0 | 40 |
| 93 | Biodegradation of Dioxin-Related Compounds: A Review. Bioremediation Journal, 1997, 1, 11-25. | 2.0 | 39 |
| 94 | Identification of wastewater bacteria involved in the degradation of triclocarban and its non-chlorinated congener. Journal of Hazardous Materials, 2010, 183, 766-772. | 12.4 | 39 |
| 95 | Occurrence, temporal variation, and estrogenic burden of five parabens in sewage sludge collected across the United States. Science of the Total Environment, 2017, 593-594, 368-374. | 8.0 | 38 |
| 96 | Distribution and Determinants of Pesticide Mixtures in Cord Serum Using Principal Component Analysis. Environmental Science & Technology, 2010, 44, 5641-5648. | 10.0 | 37 |
| 97 | Sorption and bioreduction of hexavalent uranium at a military facility by the Chesapeake Bay. Environmental Pollution, 2006, 142, 132-142. | 7.5 | 36 |
| 98 | Cord Blood Methylmercury and Fetal Growth Outcomes in Baltimore Newborns: Potential Confounding and Effect Modification by Omega-3 Fatty Acids, Selenium, and Sex. Environmental Health Perspectives, 2016, 124, 373-379. | 6.0 | 36 |
| 99 | Validation of mega composite sampling and nationwide mass inventories for 26 previously unmonitored contaminants in archived biosolids from the U.S National Biosolids Repository. Water Research, 2012, 46, 4814-4824. | 11.3 | 35 |
| 100 | Tissue distribution of organochlorine pesticides in largemouth bass (Micropterus salmoides) from laboratory exposure and a contaminated lake. Environmental Pollution, 2016, 216, 877-883. | 7.5 | 35 |
| 101 | Low-Level Lead Exposure and Elevations in Blood Pressure during Pregnancy. Environmental Health Perspectives, 2011, 119, 664-669. | 6.0 | 34 |
| 102 | Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. Environmental Science: Water Research and Technology, 2021, 7, 1545-1551. | 2.4 | 34 |
| 103 | Volatile Organic Compounds in Human Milk:Â Methods and Measurements. Environmental Science & Technology, 2007, 41, 1662-1667. | 10.0 | 33 |
| 104 | Detection and Occurrence of N-Nitrosamines in Archived Biosolids from the Targeted National Sewage Sludge Survey of the U.S. Environmental Protection Agency. Environmental Science & Technology, 2014, 48, 5085-5092. | 10.0 | 33 |
| 105 | Detection of Norovirus Capsid Protein in Authentic Standards and in Stool Extracts by Matrix-Assisted Laser Desorption Ionization and Nanospray Mass Spectrometry. Applied and Environmental Microbiology, 2006, 72, 2749-2755. | 3.1 | 32 |
| 106 | Methyl mercury, but not inorganic mercury, associated with higher blood pressure during pregnancy. Environmental Research, 2017, 154, 247-252. | 7.5 | 32 |
| 107 | Identification and Phenotypic Characterization of Sphingomonas wittichii Strain RW1 by Peptide Mass Fingerprinting Using Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. Applied and Environmental Microbiology, 2005, 71, 2442-2451. | 3.1 | 31 |
| 108 | Urinary biomarkers of 1,3-butadiene in environmental settings using liquid chromatography isotope dilution tandem mass spectrometry. Chemico-Biological Interactions, 2006, 160, 70-79. | 4.0 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Beyond nC60: strategies for identification of transformation products of fullerene oxidation in aquatic and biological samples. Analytical and Bioanalytical Chemistry, 2012, 404, 2583-2595. | 3.7 | 31 |
| 110 | Mass Balance Model for Sustainable Phosphorus Recovery in a US Wastewater Treatment Plant. Journal of Environmental Quality, 2016, 45, 84-89. | 2.0 | 31 |
| 111 | Comparison of high-frequency in-pipe SARS-CoV-2 wastewater-based surveillance to concurrent COVID-19 random clinical testing on a public U.S. university campus. Science of the Total Environment, 2022, 820, 152877. | 8.0 | 29 |
| 112 | Searching for a â€œHiddenâ€•Prophage in a Marine Bacterium. Applied and Environmental Microbiology, 2010, 76, 589-595. | 3.1 | 28 |
| 113 | On the Need for a National (U.S.) Research Program to Elucidate the Potential Risks to Human Health and the Environment Posed by Contaminants of Emerging Concern. Environmental Science & Technology, 2011, 45, 3829-3830. | 10.0 | 28 |
| 114 | Using electron balances and molecular techniques to assess trichoroetheneâ€•induced shifts to a dechlorinating microbial community. Biotechnology and Bioengineering, 2012, 109, 2230-2239. | 3.3 | 27 |
| 115 | A nationwide survey of the occurrence of melamine and its derivatives in archived sewage sludge from the United States. Environmental Pollution, 2019, 245, 994-999. | 7.5 | 27 |
| 116 | A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. Environmental Science and Technology Letters, 2022, 9, 57-63. | 8.7 | 27 |
| 117 | Global Screening of Human Cord Blood Proteomes for Biomarkers of Toxic Exposure and Effect. Environmental Health Perspectives, 2009, 117, 832-838. | 6.0 | 25 |
| 118 | Fate of Caffeine in the Environment and Ecotoxicological Considerations. ACS Symposium Series, 2010, , 257-273. | 0.5 | 25 |
| 119 | Systematic and state-of the science review of the role of environmental factors in Amyotrophic Lateral Sclerosis (ALS) or Lou Gehrig's Disease. Science of the Total Environment, 2022, 817, 152504. | 8.0 | 25 |
| 120 | Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. Environmental Health Perspectives, 2011, 119, 6-10. | 6.0 | 24 |
| 121 | Occurrence of Bisphenol A Diglycidyl Ethers (BADGEs) and Novolac Glycidyl Ethers (NOGEs) in Archived Biosolids from the U.S. EPAâ€™s Targeted National Sewage Sludge Survey. Environmental Science & Technology, 2015, 49, 6538-6544. | 10.0 | 24 |
| 122 | Do food and stress biomarkers work for wastewater-based epidemiology? A critical evaluation. Science of the Total Environment, 2020, 736, 139654. | 8.0 | 24 |
| 123 | Evaluation of extraction methods for quantification of aqueous fullerenes in urine. Analytical and Bioanalytical Chemistry, 2011, 399, 1631-1639. | 3.7 | 23 |
| 124 | Loss and in situ production of perfluoroalkyl chemicals in outdoor biosolidsâ€“soil mesocosms. Environmental Research, 2014, 132, 321-327. | 7.5 | 23 |
| 125 | Ecological and health issues of plastic waste. , 2020, , 513-527. | | 23 |
| 126 | Abiotic and Biological Transformation of Tetraalkoxysilanes and Trichloroethene/cis-1,2-Dichloroethene Cometabolism Driven by Tetrabutoxysilane-Degrading Microorganisms. Environmental Science & Technology, 1999, 33, 1077-1085. | 10.0 | 22 |

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|---|---|---|---|
| 127 | Bacterial community analysis of shallow groundwater undergoing sequential anaerobic and aerobic chloroethene biotransformation. FEMS Microbiology Ecology, 2007, 60, 299-311. | 2.7 | 22 |
| 128 | Proteomic Profiling of the Dioxin-Degrading BacteriumSphingomonas wittichiiRW1. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-9. | 3.0 | 22 |
| 129 | Towards proteome standards: The use of absolute quantitation in high-throughput biomarker discovery. Journal of Proteomics, 2010, 73, 1641-1646. | 2.4 | 20 |
| 130 | Predicting the concentration range of unmonitored chemicals in wastewater-dominated streams and in run-off from biosolids-amended soils. Science of the Total Environment, 2012, 440, 314-320. | 8.0 | 19 |
| 131 | U.S. nationwide reconnaissance of ten infrequently monitored antibiotics in municipal biosolids. Science of the Total Environment, 2018, 643, 460-467. | 8.0 | 19 |
| 132 | Effect of sample filtration on the quality of monitoring data reported for organic compounds during wastewater treatment. Journal of Environmental Monitoring, 2010, 12, 478-483. | 2.1 | 18 |
| 133 | Transformation of mono- and dichlorinated phenoxybenzoates by phenoxybenzoate-dioxygenase inPseudomonas pseudoalcaligenes POB310 and a modified diarylether-metabolizing bacterium. Biotechnology and Bioengineering, 2000, 69, 107-112. | 3.3 | 17 |
| 134 | Occurrence of N-nitrosamines in U.S. freshwater sediments near wastewater treatment plants. Journal of Hazardous Materials, 2017, 323, 109-115. | 12.4 | 17 |
| 135 | Wastewater Monitoring Raises Privacy and Ethical Considerations. IEEE Transactions on Technology and Society, 2021, 2, 116-121. | 3.2 | 17 |
| 136 | Lessons Learned from Probing for Impacts of Triclosan and Triclocarban on Human Microbiomes. MSphere, 2016, 1, . | 2.9 | 16 |
| 137 | Simulated 2017 nationwide sampling at 13,940 major U.S. sewage treatment plants to assess seasonal population bias in wastewater-based epidemiology. Science of the Total Environment, 2020, 727, 138406. | 8.0 | 16 |
| 138 | Comparative meta-analysis of organic contaminants in sewage sludge from the United States and China. Science of the Total Environment, 2022, 821, 153423. | 8.0 | 16 |
| 139 | Association of selenium and copper with lipids in umbilical cord blood. Journal of Developmental Origins of Health and Disease, 2014, 5, 281-287. | 1.4 | 15 |
| 140 | Elucidating the Molecular Basis of Adverse Health Effects from Exposure to Anthropogenic Polyfluorinated Compounds Using Toxicoproteomic Approaches. Journal of Proteome Research, 2015, 14, 51-58. | 3.7 | 15 |
| 141 | On the need to integrate uncertainty into U.S. water resource planning. Science of the Total Environment, 2019, 691, 1262-1270. | 8.0 | 14 |
| 142 | Active Sampling Device for Determining Pollutants in Surface and Pore Water â€“ the In Situ Sampler for Biphasic Water Monitoring. Scientific Reports, 2016, 6, 21886. | 3.3 | 13 |
| 143 | Nationwide Mass Inventory and Degradation Assessment of Plastic Contact Lenses in US Wastewater. Environmental Science & Technology, 2020, 54, 12102-12108. | 10.0 | 13 |
| 144 | Wastewater-Based Epidemiology and Long-Read Sequencing to Identify Enterovirus Circulation in Three Municipalities in Maricopa County, Arizona, Southwest United States between June and October 2020. Viruses, 2021, 13, 1803. | 3.3 | 13 |

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|---|---|---|---|
| 145 | Use of amniotic fluid for determining pregnancies at risk of preterm birth and for studying diseases of potential environmental etiology. Environmental Research, 2015, 136, 470-481. | 7.5 | 12 |
| 146 | Fluorinated Chemicals and the Impacts of Anthropogenic Use. ACS Symposium Series, 2010, , 539-560. | 0.5 | 11 |
| 147 | Prioritization of Biomarker Targets in Human Umbilical Cord Blood: Identification of Proteins in Infant Blood Serving as Validated Biomarkers in Adults. Environmental Health Perspectives, 2012, 120, 764-769. | 6.0 | 11 |
| 148 | Absolute quantification of norovirus capsid protein in food, water, and soil using synthetic peptides with electrospray and MALDI mass spectrometry. Journal of Hazardous Materials, 2015, 286, 525-532. | 12.4 | 10 |
| 149 | Theoretical evaluation of using wastewater-based epidemiology to assess the nutritional status of human populations. Current Opinion in Environmental Science and Health, 2019, 9, 58-63. | 4.1 | 10 |
| 150 | Evaluating the effect of spaceflight on the hostâ€“pathogen interaction between human intestinal epithelial cells and Salmonella Typhimurium. Npj Microgravity, 2021, 7, 9. | 3.7 | 10 |
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