

Yaochun Yu

List of Publications by Year in descending order

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14
papers

1,015
citations

687220

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1058333

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docs citations

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times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Defluorination of Per- and Polyfluoroalkyl Substances (PFASs) with Hydrated Electrons: Structural Dependence and Implications to PFAS Remediation and Management. <i>Environmental Science & Technology</i> , 2019, 53, 3718-3728.	4.6	297
2	Degradation of Perfluoroalkyl Ether Carboxylic Acids with Hydrated Electrons: Structure-Reactivity Relationships and Environmental Implications. <i>Environmental Science & Technology</i> , 2020, 54, 2489-2499.	4.6	86
3	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	5.3	83
4	Enhanced Degradation of Perfluorocarboxylic Acids (PFCAs) by UV/Sulfite Treatment: Reaction Mechanisms and System Efficiencies at pH 12. <i>Environmental Science and Technology Letters</i> , 2020, 7, 351-357.	3.9	82
5	Near-Quantitative Defluorination of Perfluorinated and Fluorotelomer Carboxylates and Sulfonates with Integrated Oxidation and Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 7052-7062.	4.6	79
6	Microbial Cleavage of C-F Bonds in Two C ₆ Per- and Polyfluorinated Compounds via Reductive Defluorination. <i>Environmental Science & Technology</i> , 2020, 54, 14393-14402.	4.6	73
7	Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. <i>Environmental Science & Technology</i> , 2018, 52, 9196-9205.	4.6	68
8	Accelerated Degradation of Perfluorosulfonates and Perfluorocarboxylates by UV/Sulfite + Iodide: Reaction Mechanisms and System Efficiencies. <i>Environmental Science & Technology</i> , 2022, 56, 3699-3709.	4.6	59
9	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science & Technology</i> , 2019, 53, 8695-8705.	4.6	46
10	Structure-Specific Aerobic Defluorination of Short-Chain Fluorinated Carboxylic Acids by Activated Sludge Communities. <i>Environmental Science and Technology Letters</i> , 2021, 8, 668-674.	3.9	38
11	Biotransformation of lincomycin and fluoroquinolone antibiotics by the ammonia oxidizers AOA, AOB and comammox: A comparison of removal, pathways, and mechanisms. <i>Water Research</i> , 2021, 196, 117003.	5.3	33
12	Microbial Defluorination of Unsaturated Per- and Polyfluorinated Carboxylic Acids under Anaerobic and Aerobic Conditions: A Structure Specificity Study. <i>Environmental Science & Technology</i> , 2022, 56, 4894-4904.	4.6	32
13	Emerging investigators series: occurrence and fate of emerging organic contaminants in wastewater treatment plants with an enhanced nitrification step. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1412-1426.	1.2	26
14	Defluorination of Omega-Hydroperfluorocarboxylates (Ω-HPFCAs): Distinct Reactivities from Perfluoro and Fluorotelomeric Carboxylates. <i>Environmental Science & Technology</i> , 2021, 55, 14146-14155.	4.6	12