

Yu-Jie Men

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2304016/publications.pdf>

Version: 2024-02-01

42
papers

2,221
citations

218677

26
h-index

254184

43
g-index

51
all docs

51
docs citations

51
times ranked

2055
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.	10.0	297
2	Sustainable syntrophic growth of <i>Dehalococcoides ethenogenes</i> strain 195 with <i>Desulfovibrio vulgaris</i> Hildenborough and <i>Methanobacterium congolense</i> : global transcriptomic and proteomic analyses. <i>ISME Journal</i> , 2012, 6, 410-421.	9.8	137
3	Relative contribution of ammonia oxidizing bacteria and other members of nitrifying activated sludge communities to micropollutant biotransformation. <i>Water Research</i> , 2017, 109, 217-226.	11.3	124
4	Versatility in Corrinoid Salvaging and Remodeling Pathways Supports Corrinoid-Dependent Metabolism in <i>Dehalococcoides mccartyi</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 7745-7752.	3.1	116
5	Incomplete Wood-Wjungdahl pathway facilitates one-carbon metabolism in organohalide-respiring <i>Dehalococcoides mccartyi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6419-6424.	7.1	104
6	Degradation of Perfluoroalkyl Ether Carboxylic Acids with Hydrated Electrons: Structure-Reactivity Relationships and Environmental Implications. <i>Environmental Science & Technology</i> , 2020, 54, 2489-2499.	10.0	86
7	Synthetic microbial consortia for biosynthesis and biodegradation: promises and challenges. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1343-1358.	3.0	85
8	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	11.3	83
9	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.	8.7	82
10	Near-Quantitative Defluorination of Perfluorinated and Fluorotelomer Carboxylates and Sulfonates with Integrated Oxidation and Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 7052-7062.	10.0	79
11	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.	10.0	73
12	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon <i>Nitrososphaera gargensis</i> . <i>Environmental Science & Technology</i> , 2016, 50, 4682-4692.	10.0	68
13	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.	10.0	68
14	Sustainable Growth of <i>Dehalococcoides mccartyi</i> 195 by Corrinoid Salvaging and Remodeling in Defined Lactate-Fermenting Consortia. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2133-2141.	3.1	63
15	Accelerated Degradation of Perfluorosulfonates and Perfluorocarboxylates by UV/Sulfite + Iodide: Reaction Mechanisms and System Efficiencies. <i>Environmental Science & Technology</i> , 2022, 56, 3699-3709.	10.0	59
16	Identification of specific corrinoids reveals corrinoid modification in dechlorinating microbial communities. <i>Environmental Microbiology</i> , 2015, 17, 4873-4884.	3.8	57
17	Characterization of four TCE-dechlorinating microbial enrichments grown with different cobalamin stress and methanogenic conditions. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6439-6450.	3.6	54
18	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science & Technology</i> , 2019, 53, 8695-8705.	10.0	46

#	ARTICLE	IF	CITATIONS
19	Exposure to Environmental Levels of Pesticides Stimulates and Diversifies Evolution in <i>Escherichia coli</i> toward Higher Antibiotic Resistance. <i>Environmental Science & Technology</i> , 2020, 54, 8770-8778.	10.0	42
20	Microbe-microbe interactions trigger Mn(II)-oxidizing gene expression. <i>ISME Journal</i> , 2017, 11, 67-77.	9.8	39
21	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.	8.7	38
22	Feeding characteristics of a golden alga (<i>Poteroiochromonas</i> sp.) grazing on toxic cyanobacterium <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2009, 43, 2953-2960.	11.3	35
23	Molecular Tuning of Redox-Copolymers for Selective Electrochemical Remediation. <i>Advanced Functional Materials</i> , 2020, 30, 2004635.	14.9	34
24	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.	11.3	33
25	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.	10.0	32
26	Metagenomic and Metatranscriptomic Analyses Reveal the Structure and Dynamics of a Dechlorinating Community Containing <i>Dehalococcoides mccartyi</i> and Corrinoid-Providing Microorganisms under Cobalamin-Limited Conditions. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	29
27	Can meta-omics help to establish causality between contaminant biotransformations and genes or gene products?. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 272-278.	2.4	26
28	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.	2.4	26
29	Effects of the novel allelochemical ethyl 2-methylacetoacetate from the reed (<i>Phragmites australis</i>) Tj ETQq1 1 0.784314 rgBT /Overlook 521-527.	2.8	25
30	Microbial residence time is a controlling parameter of the taxonomic composition and functional profile of microbial communities. <i>ISME Journal</i> , 2019, 13, 1589-1601.	9.8	24
31	Insights into the roles of anammox bacteria in post-treatment of anaerobically-treated sewage. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 655-684.	12.8	23
32	Trends in Micropollutant Biotransformation along a Solids Retention Time Gradient. <i>Environmental Science & Technology</i> , 2018, 52, 11601-11611.	10.0	22
33	A bioassay for the detection of benzimidazoles reveals their presence in a range of environmental samples. <i>Frontiers in Microbiology</i> , 2014, 5, 592.	3.5	19
34	The effect of <i>Poteroiochromonas</i> abundance on production of intra- and extracellular microcystin-LR concentration. <i>Hydrobiologia</i> , 2010, 652, 237-246.	2.0	14
35	Development of a Fluorescence-Activated Cell Sorting Method Coupled with Whole Genome Amplification To Analyze Minority and Trace <i>Dehalococcoides</i> Genomes in Microbial Communities. <i>Environmental Science & Technology</i> , 2015, 49, 1585-1593.	10.0	14
36	Cometabolism of 17 β -ethynylestradiol by nitrifying bacteria depends on reducing power availability and leads to elevated nitric oxide formation. <i>Environment International</i> , 2021, 153, 106528.	10.0	14

#	ARTICLE	IF	CITATIONS
37	Defluorination of Omega-Hydroperfluorocarboxylates (Ω-HPFCAs): Distinct Reactivities from Perfluoro and Fluorotelomeric Carboxylates. <i>Environmental Science & Technology</i> , 2021, 55, 14146-14155.	10.0	12
38	Recovery trajectories and community resilience of biofilms in receiving rivers after wastewater treatment plant upgrade. <i>Environmental Research</i> , 2021, 199, 111349.	7.5	10
39	Comment on "Role of Ammonia Oxidation in Organic Micropollutant Transformation during Wastewater Treatment": Overlooked Evidence to the Contrary. <i>Environmental Science & Technology</i> , 2021, 55, 12128-12129.	10.0	8
40	Specific phenotypic, genomic, and fitness evolutionary trajectories toward streptomycin resistance induced by pesticide co-stressors in <i>Escherichia coli</i> . <i>ISME Communications</i> , 2021, 1, .	4.2	8
41	Siderophores provoke extracellular superoxide production by <i>Arthrobacter</i> strains during carbon sources level fluctuation. <i>Environmental Microbiology</i> , 2022, 24, 894-904.	3.8	5
42	Electrochemical Remediation: Molecular Tuning of Redox Copolymers for Selective Electrochemical Remediation (<i>Adv. Funct. Mater.</i> 52/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070346.	14.9	3