

# Yu-Jie Men

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,221  
citations

236612

25  
h-index

253896

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docs citations

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times ranked

2055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Siderophores provoke extracellular superoxide production by <i>Arthrobacter</i> strains during carbon sources-level fluctuation. <i>Environmental Microbiology</i> , 2022, 24, 894-904.	1.8	5
2	Accelerated Degradation of Perfluorosulfonates and Perfluorocarboxylates by UV/Sulfite + Iodide: Reaction Mechanisms and System Efficiencies. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3699-3709.	4.6	59
3	Microbial Defluorination of Unsaturated Per- and Polyfluorinated Carboxylic Acids under Anaerobic and Aerobic Conditions: A Structure Specificity Study. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4894-4904.	4.6	32
4	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
5	Near-Quantitative Defluorination of Perfluorinated and Fluorotelomer Carboxylates and Sulfonates with Integrated Oxidation and Reduction. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7052-7062.	4.6	79
6	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
7	Cometabolism of 17 $\beta$ -ethynylestradiol by nitrifying bacteria depends on reducing power availability and leads to elevated nitric oxide formation. <i>Environment International</i> , 2021, 153, 106528.	4.8	14
8	Comment on "Role of Ammonia Oxidation in Organic Micropollutant Transformation during Wastewater Treatment": Overlooked Evidence to the Contrary. <i>Environmental Science &amp; Technology</i> , 2021, 55, 12128-12129.	4.6	8
9	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, .	1.7	8
10	Recovery trajectories and community resilience of biofilms in receiving rivers after wastewater treatment plant upgrade. <i>Environmental Research</i> , 2021, 199, 111349.	3.7	10
11	Defluorination of Omega-Hydroperfluorocarboxylates ( $\omega$ -HPFCAs): Distinct Reactivities from Perfluoro and Fluorotelomeric Carboxylates. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14146-14155.	4.6	12
12	Microbial Cleavage of C-F Bonds in Two C <sub>6</sub> Per- and Polyfluorinated Compounds via Reductive Defluorination. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14393-14402.	4.6	73
13	Molecular Tuning of Redox-Copolymers for Selective Electrochemical Remediation. <i>Advanced Functional Materials</i> , 2020, 30, 2004635.	7.8	34
14	Exposure to Environmental Levels of Pesticides Stimulates and Diversifies Evolution in <i>Escherichia coli</i> toward Higher Antibiotic Resistance. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8770-8778.	4.6	42
15	Degradation of Perfluoroalkyl Ether Carboxylic Acids with Hydrated Electrons: Structure-Reactivity Relationships and Environmental Implications. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2489-2499.	4.6	86
16	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
17	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.	7.8	3
18	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 8695-8705.	4.6	46

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19	Synthetic microbial consortia for biosynthesis and biodegradation: promises and challenges. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1343-1358.	1.4	85
20	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	5.3	83
21	Defluorination of Per- and Polyfluoroalkyl Substances (PFASs) with Hydrated Electrons: Structural Dependence and Implications to PFAS Remediation and Management. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3718-3728.	4.6	297
22	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.	4.4	24
23	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.	6.6	23
24	Trends in Micropollutant Biotransformation along a Solids Retention Time Gradient. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11601-11611.	4.6	22
25	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
26	Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9196-9205.	4.6	68
27	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, .	1.4	29
28	Microbe-microbe interactions trigger Mn(II)-oxidizing gene expression. <i>ISME Journal</i> , 2017, 11, 67-77.	4.4	39
29	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.	5.3	124
30	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon <i>Nitrososphaera gargensis</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 4682-4692.	4.6	68
31	Identification of specific corrinoids reveals corrinoid modification in dechlorinating microbial communities. <i>Environmental Microbiology</i> , 2015, 17, 4873-4884.	1.8	57
32	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 &amp; Technology</i> , 2015, 49, 1585-1593.	4.6	14
33	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.	1.2	26
34	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.	1.4	63
35	A bioassay for the detection of benzimidazoles reveals their presence in a range of environmental samples. <i>Frontiers in Microbiology</i> , 2014, 5, 592.	1.5	19
36	Incomplete Wood-Ljungdahl 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.	3.3	104

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37	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.	1.7	54
38	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.	1.4	116
39	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.	4.4	137
40	The effect of <i>Poteroiochromonas</i> abundance on production of intra- and extracellular microcystin-LR concentration. <i>Hydrobiologia</i> , 2010, 652, 237-246.	1.0	14
41	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.	5.3	35
42	Effects of the novel allelochemical ethyl 2-methylacetoacetate from the reed ( <i>Phragmites australis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 521-527.	1.5	25