Adam L Smith

List of Publications by Year
in descending order

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35 papers	2,630 citations	304602 22 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	2953 citing authors

#	Article	IF	Citations
1	Impact of engineered nanoparticles on the fate of antibiotic resistance genes in wastewater and receiving environments: A comprehensive review. Environmental Research, 2022, 204, 112373.	3.7	20
2	Unlocking capacities of genomics for the COVID-19 response and future pandemics. Nature Methods, 2022, 19, 374-380.	9.0	35
3	Comparing Rates of Change in SARS-CoV-2 Wastewater Load and Clinical Cases in 19 Sewersheds Across Four Major Metropolitan Areas in the United States. ACS ES&T Water, 2022, 2, 2233-2242.	2.3	6
4	Intracellular versus extracellular antibiotic resistance genes in the environment: Prevalence, horizontal transfer, and mitigation strategies. Bioresource Technology, 2021, 319, 124181.	4.8	119
5	Investigation of Fats, Oils, and Grease Co-digestion With Food Waste in Anaerobic Membrane Bioreactors and the Associated Microbial Community Using MinION Sequencing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 613626.	2.0	6
6	Solid waste: An overlooked source of microplastics to the environment. Science of the Total Environment, 2021, 769, 144581.	3.9	160
7	Antibiotic transformation in an anaerobic membrane bioreactor linked to membrane biofilm microbial activity. Environmental Research, 2021, 200, 111456.	3.7	17
8	CO₂ Reduction to Higher Hydrocarbons by Plasma Discharge in Carbonated Water. ACS Energy Letters, 2021, 6, 3924-3930.	8.8	7
9	Long-term surveillance of wastewater SARS-CoV-2 in Los Angeles County. Environmental Science: Water Research and Technology, 2021, 7, 2282-2294.	1.2	7
10	Microbial community and antibiotic resistance profiles of biomass and effluent are distinctly affected by antibiotic addition to an anaerobic membrane bioreactor. Environmental Science: Water Research and Technology, 2020, 6, 724-736.	1.2	25
11	Membrane Fouling Inversely Impacts Intracellular and Extracellular Antibiotic Resistance Gene Abundances in the Effluent of an Anaerobic Membrane Bioreactor. Environmental Science & Technology, 2020, 54, 12742-12751.	4.6	24
12	Livestock manure improved antibiotic resistance gene removal during co-treatment of domestic wastewater in an anaerobic membrane bioreactor. Environmental Science: Water Research and Technology, 2020, 6, 2832-2842.	1.2	13
13	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
14	Increased applied voltage in the presence of GAC enhances microbial activity and methane production during anaerobic digestion of food waste. Environmental Science: Water Research and Technology, 2020, 6, 737-746.	1.2	11
15	Determining Hosts of Antibiotic Resistance Genes: A Review of Methodological Advances. Environmental Science and Technology Letters, 2020, 7, 282-291.	3.9	85
16	Two-Phase Improves Performance of Anaerobic Membrane Bioreactor Treatment of Food Waste at High Organic Loading Rates. Environmental Science & Technology, 2019, 53, 9572-9583.	4.6	42
17	Performance and microbial ecology of methane-driven microbial fuel cells at temperatures ranging from 25 to 5â€Â°C. Water Research, 2019, 166, 115036.	5.3	19
18	Background Antibiotic Resistance and Microbial Communities Dominate Effects of Advanced Purified Water Recharge to an Urban Aquifer. Environmental Science and Technology Letters, 2019, 6, 578-584.	3.9	18

#	Article	IF	Citations
19	Perspectives on the fate of micropollutants in mainstream anaerobic wastewater treatment. Current Opinion in Biotechnology, 2019, 57, 94-100.	3.3	46
20	Evaluating Antibiotic Resistance Gene Correlations with Antibiotic Exposure Conditions in Anaerobic Membrane Bioreactors. Environmental Science & Technology, 2019, 53, 3599-3609.	4.6	82
21	Effects of changes in temperature on treatment performance and energy recovery at mainstream anaerobic ceramic membrane bioreactor for food waste recycling wastewater treatment. Bioresource Technology, 2018, 256, 137-144.	4.8	32
22	Methane-driven microbial fuel cells recover energy and mitigate dissolved methane emissions from anaerobic effluents. Environmental Science: Water Research and Technology, 2018, 4, 67-79.	1.2	38
23	Inhibition of anaerobic digestion processes: Applications of molecular tools. Bioresource Technology, 2018, 247, 999-1014.	4.8	107
24	Emerging investigators series: revisiting greenhouse gas mitigation from conventional activated sludge and anaerobic-based wastewater treatment systems. Environmental Science: Water Research and Technology, 2018, 4, 1739-1758.	1.2	24
25	Optimizing electrospinning parameters for piezoelectric PVDF nanofiber membranes. Journal of Membrane Science, 2018, 563, 804-812.	4.1	124
26	A comparative evaluation of community structure in full-scale digesters indicates that two-phase digesters exhibit greater microbial diversity than single-phase digesters. Environmental Science: Water Research and Technology, 2017, 3, 304-311.	1.2	9
27	Elucidating microbial community adaptation to anaerobic co-digestion of fats, oils, and grease and food waste. Water Research, 2017, 123, 277-289.	5.3	104
28	Co-management of domestic wastewater and food waste: A life cycle comparison of alternative food waste diversion strategies. Bioresource Technology, 2017, 223, 131-140.	4.8	50
29	Anaerobic microbial community response to methanogenic inhibitors 2â€bromoethanesulfonate and propynoic acid. MicrobiologyOpen, 2016, 5, 537-550.	1.2	42
30	Membrane biofilm development improves <scp>COD</scp> removal in anaerobic membrane bioreactor wastewater treatment. Microbial Biotechnology, 2015, 8, 883-894.	2.0	61
31	Anaerobic membrane bioreactor treatment of domestic wastewater at psychrophilic temperatures ranging from 15 Â°C to 3 Â°C. Environmental Science: Water Research and Technology, 2015, 1, 56-64.	1.2	90
32	Bench- and Full-Scale Anaerobic Co-Digestion of Fats Oil and Grease, Food Waste, and Vegetable Cooking Oil for Enhanced Biogas Production. Proceedings of the Water Environment Federation, 2015, 2015, 5304-5311.	0.0	1
33	Navigating Wastewater Energy Recovery Strategies: A Life Cycle Comparison of Anaerobic Membrane Bioreactor and Conventional Treatment Systems with Anaerobic Digestion. Environmental Science & Technology, 2014, 48, 5972-5981.	4.6	239
34	Psychrophilic anaerobic membrane bioreactor treatment of domestic wastewater. Water Research, 2013, 47, 1655-1665.	5.3	249
35	Perspectives on anaerobic membrane bioreactor treatment of domestic wastewater: A critical review. Bioresource Technology, 2012, 122, 149-159.	4.8	378