Lauren B Stadler

List of Publications by Year
in descending order

36	2,490	279798	414414
papers	citations	23 h-index	32 g-index

41	41	41	3252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perspectives on anaerobic membrane bioreactor treatment of domestic wastewater: A critical review. Bioresource Technology, 2012, 122, 149-159.	9.6	378
2	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	10.0	337
3	Antibiotic resistance genes from livestock waste: occurrence, dissemination, and treatment. Npj Clean Water, 2020, 3, .	8.0	242
4	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.	10.0	239
5	Evaluating recovery, cost, and throughput of different concentration methods for SARS-CoV-2 wastewater-based epidemiology. Water Research, 2021, 197, 117043.	11.3	130
6	Inhibition of anaerobic digestion processes: Applications of molecular tools. Bioresource Technology, 2018, 247, 999-1014.	9.6	107
7	Prospects for Biological Nitrogen Removal from Anaerobic Effluents during Mainstream Wastewater Treatment. Environmental Science and Technology Letters, 2015, 2, 234-244.	8.7	105
8	Determining Hosts of Antibiotic Resistance Genes: A Review of Methodological Advances. Environmental Science and Technology Letters, 2020, 7, 282-291.	8.7	85
9	Evaluating Antibiotic Resistance Gene Correlations with Antibiotic Exposure Conditions in Anaerobic Membrane Bioreactors. Environmental Science & Technology, 2019, 53, 3599-3609.	10.0	82
10	Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. Journal of Hazardous Materials, 2015, 282, 106-115.	12.4	67
11	Elevated Levels of Pathogenic Indicator Bacteria and Antibiotic Resistance Genes after Hurricane Harveyâ€™s Flooding in Houston. Environmental Science and Technology Letters, 2018, 5, 481-486.	8.7	65
12	Notes from the Field: Early Evidence of the SARS-CoV-2 B.1.1.529 (Omicron) Variant in Community Wastewater â€" United States, Novemberâ€"December 2021. Morbidity and Mortality Weekly Report, 2022, 71, 103-105.	15.1	65
13	Impact of microbial physiology and microbial community structure on pharmaceutical fate driven by dissolved oxygen concentration in nitrifying bioreactors. Water Research, 2016, 104, 189-199.	11.3	64
14	Micropollutant Fate in Wastewater Treatment: Redefining â€œRemovalâ€• Environmental Science & Technology, 2012, 46, 10485-10486.	10.0	53
15	Co-management of domestic wastewater and food waste: A life cycle comparison of alternative food waste diversion strategies. Bioresource Technology, 2017, 223, 131-140.	9.6	50
16	Perspectives on the fate of micropollutants in mainstream anaerobic wastewater treatment. Current Opinion in Biotechnology, 2019, 57, 94-100.	6.6	46
17	Translating New Synthetic Biology Advances for Biosensing Into the Earth and Environmental Sciences. Frontiers in Microbiology, 2020, 11, 618373.	3.5	40
18	The importance of system configuration for distributed direct potable water reuse. Nature Sustainability, 2020, 3, 548-555.	23.7	38

#	Article	IF	Citations
19	Elucidating the impact of microbial community biodiversity on pharmaceutical biotransformation during wastewater treatment. Microbial Biotechnology, 2018, 11, 995-1007.	4.2	35
20	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
21	Single cell protein production from food waste using purple non-sulfur bacteria shows economically viable protein products have higher environmental impacts. Journal of Cleaner Production, 2020, 276, 123114.	9.3	32
22	Direct comparison of RT-ddPCR and targeted amplicon sequencing for SARS-CoV-2 mutation monitoring in wastewater. Science of the Total Environment, 2022, 833, 155059.	8.0	29
23	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.	2.4	25
24	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.	10.0	24
25	Antibiotic transformation in an anaerobic membrane bioreactor linked to membrane biofilm microbial activity. Environmental Research, 2021, 200, 111456.	7.5	17
26	Modeling SARS-CoV-2 RNA degradation in small and large sewersheds. Environmental Science: Water Research and Technology, 2022, 8, 290-300.	2.4	15
27	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.	2.4	13
28	Oxygen Half-Saturation Constants for Pharmaceuticals in Activated Sludge and Microbial Community Activity under Varied Oxygen Levels. Environmental Science & Technology, 2019, 53, 1918-1927.	10.0	11
29	On a Reef Far, Far Away: Anthropogenic Impacts Following Extreme Storms Affect Sponge Health and Bacterial Communities. Frontiers in Marine Science, 2021, 8, .	2.5	10
30	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.	4.6	6
31	Nutrient Removal from Mainstream Anaerobic Processes using a Membrane Biofilm Reactor and a Granular Sludge Sequencing Batch Reactor. Proceedings of the Water Environment Federation, 2015, 2015, 1266-1273.	0.0	1
32	Impact of Disaster Research on the Development of Early Career Researchers: Lessons Learned from the Wastewater Monitoring Pandemic Response Efforts. Environmental Science & Technology, 2022, 56, 4724-4727.	10.0	1
33	Fate of Pharmaceuticals During Varying Redox Treatment Environments. Proceedings of the Water Environment Federation, 2012, 2012, 3817-3827.	0.0	0
34	Impact of Redox Environment and Microbial Community on Pharmaceutical Biotransformations During Wastewater Treatment. Proceedings of the Water Environment Federation, 2013, 2013, 6491-6495.	0.0	0
35	Nutrient Removal from Mainstream Anaerobic Effluents: Linking Biofilm Modeling to Experimental Design. Proceedings of the Water Environment Federation, 2014, 2014, 6057-6060.	0.0	0
36	Impact of Low Dissolved Oxygen and Microbial Community on Pharmaceutical Biotransformations during Wastewater Treatment. Proceedings of the Water Environment Federation, 2015, 2015, 5470-5476.	0.0	0