

Lauren B Stadler

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,490
citations

279798

23
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

3252
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Notes from the Field: Early Evidence of the SARS-CoV-2 B.1.1.529 (Omicron) Variant in Community Wastewater</i> – United States, November–December 2021. <i>Morbidity and Mortality Weekly Report</i> , 2022, 71, 103-105.	15.1	65
2	Modeling SARS-CoV-2 RNA degradation in small and large sewersheds. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 290-300.	2.4	15
3	Direct comparison of RT-ddPCR and targeted amplicon sequencing for SARS-CoV-2 mutation monitoring in wastewater. <i>Science of the Total Environment</i> , 2022, 833, 155059.	8.0	29
4	Impact of Disaster Research on the Development of Early Career Researchers: Lessons Learned from the Wastewater Monitoring Pandemic Response Efforts. <i>Environmental Science & Technology</i> , 2022, 56, 4724-4727.	10.0	1
5	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. <i>ACS ES&T Water</i> , 2022, 2, 2233-2242.	4.6	6
6	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1545-1551.	2.4	34
7	On a Reef Far, Far Away: Anthropogenic Impacts Following Extreme Storms Affect Sponge Health and Bacterial Communities. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
8	Evaluating recovery, cost, and throughput of different concentration methods for SARS-CoV-2 wastewater-based epidemiology. <i>Water Research</i> , 2021, 197, 117043.	11.3	130
9	Antibiotic transformation in an anaerobic membrane bioreactor linked to membrane biofilm microbial activity. <i>Environmental Research</i> , 2021, 200, 111456.	7.5	17
10	Microbial community and antibiotic resistance profiles of biomass and effluent are distinctly affected by antibiotic addition to an anaerobic membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 724-736.	2.4	25
11	Single cell protein production from food waste using purple non-sulfur bacteria shows economically viable protein products have higher environmental impacts. <i>Journal of Cleaner Production</i> , 2020, 276, 123114.	9.3	32
12	Membrane Fouling Inversely Impacts Intracellular and Extracellular Antibiotic Resistance Gene Abundances in the Effluent of an Anaerobic Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 12742-12751.	10.0	24
13	Livestock manure improved antibiotic resistance gene removal during co-treatment of domestic wastewater in an anaerobic membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2832-2842.	2.4	13
14	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. <i>Environmental Science & Technology</i> , 2020, 54, 7754-7757.	10.0	337
15	Antibiotic resistance genes from livestock waste: occurrence, dissemination, and treatment. <i>Npj Clean Water</i> , 2020, 3, .	8.0	242
16	The importance of system configuration for distributed direct potable water reuse. <i>Nature Sustainability</i> , 2020, 3, 548-555.	23.7	38
17	Determining Hosts of Antibiotic Resistance Genes: A Review of Methodological Advances. <i>Environmental Science and Technology Letters</i> , 2020, 7, 282-291.	8.7	85
18	Translating New Synthetic Biology Advances for Biosensing Into the Earth and Environmental Sciences. <i>Frontiers in Microbiology</i> , 2020, 11, 618373.	3.5	40

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19	Oxygen Half-Saturation Constants for Pharmaceuticals in Activated Sludge and Microbial Community Activity under Varied Oxygen Levels. <i>Environmental Science & Technology</i> , 2019, 53, 1918-1927.	10.0	11
20	Perspectives on the fate of micropollutants in mainstream anaerobic wastewater treatment. <i>Current Opinion in Biotechnology</i> , 2019, 57, 94-100.	6.6	46
21	Evaluating Antibiotic Resistance Gene Correlations with Antibiotic Exposure Conditions in Anaerobic Membrane Bioreactors. <i>Environmental Science & Technology</i> , 2019, 53, 3599-3609.	10.0	82
22	Inhibition of anaerobic digestion processes: Applications of molecular tools. <i>Bioresource Technology</i> , 2018, 247, 999-1014.	9.6	107
23	Elucidating the impact of microbial community biodiversity on pharmaceutical biotransformation during wastewater treatment. <i>Microbial Biotechnology</i> , 2018, 11, 995-1007.	4.2	35
24	Elevated Levels of Pathogenic Indicator Bacteria and Antibiotic Resistance Genes after Hurricane Harvey's Flooding in Houston. <i>Environmental Science and Technology Letters</i> , 2018, 5, 481-486.	8.7	65
25	Co-management of domestic wastewater and food waste: A life cycle comparison of alternative food waste diversion strategies. <i>Bioresource Technology</i> , 2017, 223, 131-140.	9.6	50
26	Impact of microbial physiology and microbial community structure on pharmaceutical fate driven by dissolved oxygen concentration in nitrifying bioreactors. <i>Water Research</i> , 2016, 104, 189-199.	11.3	64
27	Prospects for Biological Nitrogen Removal from Anaerobic Effluents during Mainstream Wastewater Treatment. <i>Environmental Science and Technology Letters</i> , 2015, 2, 234-244.	8.7	105
28	Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. <i>Journal of Hazardous Materials</i> , 2015, 282, 106-115.	12.4	67
29	Nutrient Removal from Mainstream Anaerobic Processes using a Membrane Biofilm Reactor and a Granular Sludge Sequencing Batch Reactor. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 1266-1273.	0.0	1
30	Impact of Low Dissolved Oxygen and Microbial Community on Pharmaceutical Biotransformations during Wastewater Treatment. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 5470-5476.	0.0	0
31	Navigating Wastewater Energy Recovery Strategies: A Life Cycle Comparison of Anaerobic Membrane Bioreactor and Conventional Treatment Systems with Anaerobic Digestion. <i>Environmental Science & Technology</i> , 2014, 48, 5972-5981.	10.0	239
32	Nutrient Removal from Mainstream Anaerobic Effluents: Linking Biofilm Modeling to Experimental Design. <i>Proceedings of the Water Environment Federation</i> , 2014, 2014, 6057-6060.	0.0	0
33	Impact of Redox Environment and Microbial Community on Pharmaceutical Biotransformations During Wastewater Treatment. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 6491-6495.	0.0	0
34	Fate of Pharmaceuticals During Varying Redox Treatment Environments. <i>Proceedings of the Water Environment Federation</i> , 2012, 2012, 3817-3827.	0.0	0
35	Micropollutant Fate in Wastewater Treatment: Redefining "Removal". <i>Environmental Science & Technology</i> , 2012, 46, 10485-10486.	10.0	53
36	Perspectives on anaerobic membrane bioreactor treatment of domestic wastewater: A critical review. <i>Bioresource Technology</i> , 2012, 122, 149-159.	9.6	378