Brandon Reyneke

List of Publications by Year
in descending order

22 papers	608 citations	759233 12 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	579 citing authors

#	Article	IF	Citations
1	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. Science of the Total Environment, 2022, 805, 149877.	8.0	153
2	Prevalence of ESKAPE pathogens in the environment: Antibiotic resistance status, community-acquired infection and risk to human health. International Journal of Hygiene and Environmental Health, 2022, 244, 114006.	4.3	69
3	A global review of the microbiological quality and potential health risks associated with roof-harvested rainwater tanks. Npj Clean Water, 2019, 2, .	8.0	67
4	Comparison of EMA-, PMA- and DNase qPCR for the determination of microbial cell viability. Applied Microbiology and Biotechnology, 2017, 101, 7371-7383.	3.6	56
5	Cryptosporidium and Giardia in Wastewater and Surface Water Environments. Journal of Environmental Quality, 2018, 47, 1006-1023.	2.0	36
6	Exploring the antimicrobial resistance profiles of WHO critical priority list bacterial strains. BMC Microbiology, 2019, 19, 303.	3.3	32
7	Electrochemically assisted photocatalysis for the disinfection of rainwater under solar irradiation. Applied Catalysis B: Environmental, 2021, 281, 119485.	20.2	27
8	EMA-qPCR to monitor the efficiency of a closed-coupled solar pasteurization system in reducing Legionella contamination of roof-harvested rainwater. Science of the Total Environment, 2016, 553, 662-670.	8.0	26
9	Rainwater harvesting solar pasteurization treatment systems for the provision of an alternative water source in peri-urban informal settlements. Environmental Science: Water Research and Technology, 2018, 4, 291-302.	2.4	22
10	Comparative analysis of solar pasteurization versus solar disinfection for the treatment of harvested rainwater. BMC Microbiology, 2016, 16, 289.	3.3	21
11	Validation of large-volume batch solar reactors for the treatment of rainwater in field trials in sub-Saharan Africa. Science of the Total Environment, 2020, 717, 137223.	8.0	20
12	Compound parabolic collector solar disinfection system for the treatment of harvested rainwater. Environmental Science: Water Research and Technology, 2018, 4, 976-991.	2.4	15
13	Rainwater treatment technologies: Research needs, recent advances and effective monitoring strategies. Current Opinion in Environmental Science and Health, 2020, 16, 28-33.	4.1	12
14	Persistence of Viable Bacteria in Solar Pasteurised Harvested Rainwater. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	9
15	EMA-amplicon-based taxonomic characterisation of the viable bacterial community present in untreated and SODIS treated roof-harvested rainwater. Environmental Science: Water Research and Technology, 2019, 5, 91-101.	2.4	8
16	EMA-amplicon-based sequencing informs risk assessment analysis of water treatment systems. Science of the Total Environment, 2020, 743, 140717.	8.0	8
17	Human Pathogenic Bacteria Detected in Rainwater: Risk Assessment and Correlation to Microbial Source Tracking Markers and Traditional Indicators. Frontiers in Microbiology, 2021, 12, 659784.	3.5	8
18	Insights into Bdellovibrio spp. mechanisms of action and potential applications. World Journal of Microbiology and Biotechnology, 2021, 37, 85.	3.6	7

#	Article	IF	Citations
19	Biological Control of Acinetobacter baumannii: In Vitro and In Vivo Activity, Limitations, and Combination Therapies. Microorganisms, 2022, 10, 1052.	3.6	6
20	Podoviridaebacteriophage for the biocontrol ofPseudomonas aeruginosain rainwater. Environmental Science: Water Research and Technology, 2020, 6, 87-102.	2.4	4
21	Integration of Bdellovibrio spp. with SODIS and Moringa oleifera flocculation to target multi-drug resistant Klebsiella pneumoniae and Pseudomonas aeruginosa. Journal of Environmental Chemical Engineering, 2022, 10, 107962.	6.7	2
22	In vitro toxicity studies of novel solar water disinfection reactors using the E-screen bioassay and the Ames test. H2Open Journal, 0, , .	1.7	0