

Matthew E Verbyla

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,020
citations

567281

15
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction and liquid-solid partitioning of SARS-CoV-2 and adenovirus throughout the different stages of a pilot-scale wastewater treatment plant. <i>Water Research</i> , 2022, 212, 118069.	11.3	15
2	Evaluation of process limit of detection and quantification variation of SARS-CoV-2 RT-qPCR and RT-dPCR assays for wastewater surveillance. <i>Water Research</i> , 2022, 213, 118132.	11.3	46
3	Persistence of Fecal Indicators and Microbial Source Tracking Markers in Water Flushed from Riverbank Soils. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	10
4	Detection, Quantification, and Simplified Wastewater Surveillance Model of SARS-CoV-2 RNA in the Tijuana River. <i>ACS ES&T Water</i> , 2022, 2, 2134-2143.	4.6	11
5	Reduction and partitioning of viral and bacterial indicators in a UASB reactor followed by high rate algal ponds treating domestic sewage. <i>Science of the Total Environment</i> , 2021, 760, 144309.	8.0	24
6	Environmental Engineering for the 21st Century: Increasing Diversity and Community Participation to Achieve Environmental and Social Justice. <i>Environmental Engineering Science</i> , 2021, 38, 288-297.	1.6	18
7	Why pathogens matter for meeting the united nations's sustainable development goal 6 on safely managed water and sanitation. <i>Water Research</i> , 2021, 189, 116591.	11.3	31
8	Conceptualizing an Interdisciplinary Collective Impact Approach to Examine and Intervene in the Chronic Cycle of Homelessness. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2020.	2.6	6
9	Holistically Managing Pathogens and Nutrients in Urbanizing Tropical Towns: Can Sanitation Technologies Create Safer Conditions for Beach Recreation?. <i>ACS ES&T Water</i> , 2021, 1, 1184-1197.	4.6	3
10	An Assessment of Ambient Water Quality and Challenges with Access to Water and Sanitation Services for Individuals Experiencing Homelessness in Riverine Encampments. <i>Environmental Engineering Science</i> , 2021, 38, 389-401.	1.6	13
11	Bridging Science and Practice-Importance of Stakeholders in the Development of Decision Support: Lessons Learned. <i>Sustainability</i> , 2021, 13, 5744.	3.2	2
12	Global Water, Sanitation, and Hygiene Approaches: Anthropological Contributions and Future Directions for Engineering. <i>Environmental Engineering Science</i> , 2021, 38, 402-417.	1.6	18
13	Modelling rotavirus concentrations in rivers: Assessing Uganda's present and future microbial water quality. <i>Water Research</i> , 2021, 204, 117615.	11.3	6
14	Systematic review and meta-analysis of time-temperature pathogen inactivation. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 230, 113595.	4.3	33
15	Fluorescence-based monitoring of anthropogenic pollutant inputs to an urban stream in Southern California, USA. <i>Science of the Total Environment</i> , 2020, 718, 137206.	8.0	22
16	What Is Safe Sanitation?. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	1.4	5
17	Safely Managed Hygiene: A Risk-Based Assessment of Handwashing Water Quality. <i>Environmental Science & Technology</i> , 2019, 53, 2852-2861.	10.0	13
18	Translating pathogen knowledge to practice for sanitation decision-making. <i>Journal of Water and Health</i> , 2019, 17, 896-909.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Variability in Disinfection Resistance between Currently Circulating <i>Enterovirus B</i> Serotypes and Strains. <i>Environmental Science & Technology</i> , 2018, 52, 3696-3705.	10.0	51
20	Epidemiological Evidence and Health Risks Associated With Agricultural Reuse of Partially Treated and Untreated Wastewater: A Review. <i>Frontiers in Public Health</i> , 2018, 6, 337.	2.7	85
21	Microbial source tracking in shellfish harvesting waters in the Gulf of Nicoya, Costa Rica. <i>Water Research</i> , 2017, 111, 177-184.	11.3	48
22	Performance evaluation of 388 full-scale waste stabilization pond systems with seven different configurations. <i>Water Science and Technology</i> , 2017, 75, 916-927.	2.5	6
23	The Grandest Challenge of All: The Role of Environmental Engineering to Achieve Sustainability in the World's Developing Regions. <i>Environmental Engineering Science</i> , 2017, 34, 16-41.	1.6	61
24	Managing Microbial Risks from Indirect Wastewater Reuse for Irrigation in Urbanizing Watersheds. <i>Environmental Science & Technology</i> , 2016, 50, 6803-6813.	10.0	83
25	Pathogens and fecal indicators in waste stabilization pond systems with direct reuse for irrigation: Fate and transport in water, soil and crops. <i>Science of the Total Environment</i> , 2016, 551-552, 429-437.	8.0	31
26	Exploring the Expanding Impact of a Sustainable Development Engineering Course Through a Critical Evolutionary Review. , 2015, , 26.735.1.		0
27	Emerging challenges for pathogen control and resource recovery in natural wastewater treatment systems. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 701-714.	6.5	14
28	Dishwashing water recycling system and related water quality standards for military use. <i>Science of the Total Environment</i> , 2015, 529, 275-284.	8.0	12
29	A review of virus removal in wastewater treatment pond systems. <i>Water Research</i> , 2015, 71, 107-124.	11.3	128
30	A case study of enteric virus removal and insights into the associated risk of water reuse for two wastewater treatment pond systems in Bolivia. <i>Water Research</i> , 2014, 65, 257-270.	11.3	112
31	Wastewater Infrastructure for Small Cities in an Urbanizing World: Integrating Protection of Human Health and the Environment with Resource Recovery and Food Security. <i>Environmental Science & Technology</i> , 2013, 47, 3598-3605.	10.0	61
32	Taenia eggs in a stabilization pond system with poor hydraulics: concern for human cysticercosis?. <i>Water Science and Technology</i> , 2013, 68, 2698-2703.	2.5	27
33	Improving the Global Competency of Graduate Engineers Through Peace Corps Partnership and Long-term International Service. , 0, , .		2