James E Amburgey

List of Publications by Year
in descending order

21 papers	619 citations	840776 11 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	637 citing authors

#	Article	IF	Citations
1	Development of a Rapid Method for Simultaneous Recovery of Diverse Microbes in Drinking Water by Ultrafiltration with Sodium Polyphosphate and Surfactants. Applied and Environmental Microbiology, 2005, 71, 6878-6884.	3.1	214
2	Ultrafiltration-based techniques for rapid and simultaneous concentration of multiple microbe classes from 100-L tap water samples. Journal of Microbiological Methods, 2008, 73, 92-99.	1.6	118
3	Comparison of Hollowâ€Fiber Ultrafiltration to the USEPA VIRADEL Technique and USEPA Method 1623. Journal of Environmental Quality, 2009, 38, 822-825.	2.0	59
4	Turbidity reduction in drinking water by coagulation-flocculation with chitosan polymers. Journal of Water and Health, 2019, 17, 204-218.	2.6	38
5	Optimization of the extended terminal subfluidization wash (ETSW) filter backwashing procedure. Water Research, 2005, 39, 314-330.	11.3	28
6	High-Capacity and Rapid Removal of Refractory NOM Using Nanoscale Anion Exchange Resin. ACS Applied Materials & Interfaces, 2016, 8, 18540-18549.	8.0	23
7	Calculation and uncertainty of zeta potentials of microorganisms in a 1:1 electrolyte with a conductivity similar to surface water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124097.	4.7	21
8	Strategic Filter Backwashing Techniques and Resulting Particle Passage. Journal of Environmental Engineering, ASCE, 2005, 131, 535-547.	1.4	20
9	An Enhanced Backwashing Technique for Improved Filter Ripening. Journal - American Water Works Association, 2003, 95, 81-94.	0.3	15
10	Comparison of Conventional and Biological Filter Performance for Cryptosporidium and microsphere removal. Journal - American Water Works Association, 2005, 97, 77-91.	0.3	15
11	Removal of Cryptosporidium and polystyrene microspheres from swimming pool water with sand, cartridge, and precoat filters. Journal of Water and Health, 2012, 10, 31-42.	2.6	13
12	Green synthesis of nanoscale anion exchange resin for sustainable water purification. Environmental Science: Water Research and Technology, 2018, 4, 1685-1694.	2.4	11
13	Effect of Washwater Chemistry and Delayed Start on Filter Ripening. Journal - American Water Works Association, 2004, 96, 97-110.	0.3	8
14	A pilot-scale study of Cryptosporidium-sized microsphere removals from swimming pools via sand filtration. Journal of Water and Health, 2016, 14, 109-120.	2.6	7
15	Disposable swim diaper retention of Cryptosporidium-sized particles on human subjects in a recreational water setting. Journal of Water and Health, 2011, 9, 653-658.	2.6	6
16	Removal of Cryptosporidium -Sized Polystyrene Microspheres from Swimming Pool Water with a Sand Filter with and without Added Perlite Filter Media. Journal of Environmental Engineering, ASCE, 2011, 137, 1205-1208.	1.4	6
17	Comparison of Hollow-Fiber Ultrafilters with Pleated Capsule Filters for Surface and Tap Water Samples Using U.S. EPA Method 1623. Journal of Environmental Engineering, ASCE, 2012, 138, 899-901.	1.4	6
18	Removals of cryptosporidium parvum oocysts and cryptosporidium-sized polystyrene microspheres from swimming pool water by diatomaceous earth filtration and perlite-sand filtration. Journal of Water and Health, 2017, 15, 374-384.	2.6	6

#	Article	IF	Citations
19	Evaluation of alternative DNA extraction processes and real-time PCR for detecting Cryptosporidium parvum in drinking water. Water Science and Technology: Water Supply, 2015, 15, 1295-1303.	2.1	3
20	A full-scale study of Cryptosporidium parvum oocyst and Cryptosporidium-sized microsphere removals from swimming pools via sand filtration. Water Quality Research Journal of Canada, 2017, 52, 18-25.	2.7	2
21	Revisiting the Gageâ€“Bidwell Law of Dilution in Relation to the Effectiveness of Swimming Pool Filtration and the Risk to Swimming Pool Users from Cryptosporidium. Water (Switzerland), 2021, 13, 2350.	2.7	0