Kelly A Reynolds

List of Publications by Year
in descending order

58	1,312	361413	395702
papers	citations	20 h-index	33 g-index

60	60	60	1707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying pathogen infection risks from household laundry practices. Journal of Applied Microbiology, 2022, 132, 1435-1448.	3.1	7
2	Modeling fomiteâ€mediated SARSâ€CoVâ€2 exposure through personal protective equipment doffing in a hospital environment. Indoor Air, 2022, 32, .	4.3	10
3	An application for relating Legionella shower water monitoring results to estimated health outcomes. Water Research, 2022, 221, 118812.	11.3	3
4	Comparison of electric hand dryers and paper towels for hand hygiene: a critical review of the literature. Journal of Applied Microbiology, 2021, 130, 25-39.	3.1	10
5	Frequency of hand-to-head, -mouth, -eyes, and -nose contacts for adults and children during eating and non-eating macro-activities. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 34-44.	3.9	16
6	An agent-based modeling approach to estimate pathogen exposure risks from wheelchairs. American Journal of Infection Control, 2021, 49, 206-214.	2.3	2
7	Modeling COVID-19 infection risks for a single hand-to-fomite scenario and potential risk reductions offered by surface disinfection. American Journal of Infection Control, 2021, 49, 846-848.	2.3	47
8	Norovirus detection in water samples at the level of single virus copies per microliter using a smartphone-based fluorescence microscope. Nature Protocols, 2021, 16, 1452-1475.	12.0	51
9	Impact of a Whole-Room Atomizing Disinfection System on Healthcare Surface Contamination, Pathogen Transfer, and Labor Efficiency. , 2021, 3, e0340.		3
10	Effects of patient room layout on viral accruement on healthcare professionals' hands. Indoor Air, 2021, 31, 1657-1672.	4.3	5
11	Respirators, face masks, and their risk reductions via multiple transmission routes for first responders within an ambulance. Journal of Occupational and Environmental Hygiene, 2021, 18, 345-360.	1.0	1
12	Integrating CFD and exposure modeling for estimating viral exposures at the air-surface interface. , 2021, , .		0
13	Comparison of estimated norovirus infection risk reductions for a single fomite contact scenario with residual and nonresidual hand sanitizers. American Journal of Infection Control, 2020, 48, 538-544.	2.3	13
14	Assessing virus infection probability in an office setting using stochastic simulation. Journal of Occupational and Environmental Hygiene, 2020, 17, 30-37.	1.0	7
15	A critical analysis of recreational water guidelines developed from temperate climate data and applied to the tropics. Water Research, 2020, 170, 115294.	11.3	8
16	Evaluating a transfer gradient assumption in a fomite-mediated microbial transmission model using an experimental and Bayesian approach. Journal of the Royal Society Interface, 2020, 17, 20200121.	3.4	20
17	COVID-19 and use of non-traditional masks: how do various materials compare in reducing the risk of infection for mask wearers?. Journal of Hospital Infection, 2020, 105, 640-642.	2.9	42
18	Impact of Housing and Infrastructure on handwashing in Peru. International Health, 2020, 13, 615-623.	2.0	2

#	Article	IF	Citations
19	Cost-benefit analysis of point-of-use devices for health risks reduction from pathogens in drinking water. Journal of Water and Health, 2020, 18, 968-982.	2.6	7
20	Estimating the Contribution of a Contaminated Wheelchair to Pathogen Spread With an Agent-Based Model. Infection Control and Hospital Epidemiology, 2020, 41, s474-s474.	1.8	0
21	Estimating the effect of hand hygiene compliance and surface cleaning timing on infection risk reductions with a mathematical modeling approach. American Journal of Infection Control, 2019, 47, 1453-1459.	2.3	18
22	Smartphone-Based Paper Microfluidic Particulometry of Norovirus from Environmental Water Samples at the Single Copy Level. ACS Omega, 2019, 4, 11180-11188.	3.5	58
23	Impact of a hygiene intervention on virus spread in an office building. International Journal of Hygiene and Environmental Health, 2019, 222, 479-485.	4.3	35
24	Microbial study of household hygiene conditions and associated Listeria monocytogenes infection risks for Peruvian women. Tropical Medicine and International Health, 2019, 24, 899-921.	2.3	10
25	Seasonal Variation of Water Quality in Unregulated Domestic Wells. International Journal of Environmental Research and Public Health, 2019, 16, 1569.	2.6	14
26	Validation of a Stochastic Discrete Event Model Predicting Virus Concentration on Nurse Hands. Risk Analysis, 2019, 39, 1812-1824.	2.7	9
27	Microbial transmission in an outpatient clinic and impact of an intervention with an ethanol-based disinfectant. American Journal of Infection Control, 2019, 47, 128-132.	2.3	24
28	Cost-benefit of point-of-use devices for lead reduction. Environmental Research, 2019, 171, 260-265.	7.5	5
29	Modeling the role of fomites in a norovirus outbreak. Journal of Occupational and Environmental Hygiene, 2019, 16, 16-26.	1.0	38
30	A Capillary Flow Dynamicsâ€Based Sensing Modality for Direct Environmental Pathogen Monitoring. Chemistry - A European Journal, 2018, 24, 6025-6029.	3.3	24
31	Optimal strategies for monitoring irrigation water quality. Agricultural Water Management, 2018, 199, 86-92.	5.6	25
32	Evaluation of hospital-grade disinfectants on viral deposition on surfaces after toilet flushing. American Journal of Infection Control, 2018, 46, 507-511.	2.3	37
33	Tracking and controlling soft surface contamination in health care settings. American Journal of Infection Control, 2018, 46, 39-43.	2.3	10
34	Validation of Questionnaire Methods to Quantify Recreational Water Ingestion. International Journal of Environmental Research and Public Health, 2018, 15, 2435.	2.6	1
35	Comparison of Perceived and Observed Hand Hygiene Compliance in Healthcare Workers in MERS-CoV Endemic Regions. Healthcare (Switzerland), 2018, 6, 122.	2.0	25
36	Predicting Viral Infection Risks and Optimizing Hygiene Protocols Using a Modeling Approach. American Journal of Infection Control, 2018, 46, S42-S43.	2.3	1

#	Article	IF	Citations
37	Modeling Surface Disinfection Needs To Meet Microbial Risk Reduction Targets. Applied and Environmental Microbiology, 2018, 84, .	3.1	20
38	Methods for Handling Left-Censored Data in Quantitative Microbial Risk Assessment. Applied and Environmental Microbiology, 2018, 84, .	3.1	55
39	Multi-Normalization and Interpolation Protocol to Improve Norovirus Immunoagglutination Assay from Paper Microfluidics with Smartphone Detection. SLAS Technology, 2017, 22, 609-615.	1.9	8
40	Use of ATP Readings to Predict a Successful Hygiene Intervention in the Workplace to Reduce the Spread of Viruses on Fomites. Food and Environmental Virology, 2017, 9, 14-19.	3.4	7
41	Comparison of Fluoride Levels in Tap and Bottled Water and Reported Use of Fluoride Supplementation in a United Statesâ€“Mexico Border Community. Frontiers in Public Health, 2017, 5, 87.	2.7	10
42	The Dynamics of Microbe Spread via Hands and Fomites Throughout an Outpatient Clinic. Open Forum Infectious Diseases, 2016, 3, .	0.9	1
43	Cryptosporidium risk from swimming pool exposures. International Journal of Hygiene and Environmental Health, 2016, 219, 915-919.	4.3	28
44	Multimodal Imaging and Lighting Bias Correction for Improved Î¼PAD-based Water Quality Monitoring via Smartphones. Scientific Reports, 2016, 6, 27529.	3.3	30
45	Use of a portable air disinfecting system to remove seeded coliphage in hospital rooms. American Journal of Infection Control, 2016, 44, 714-715.	2.3	7
46	The healthy workplace project: Reduced viral exposure in an office setting. Archives of Environmental and Occupational Health, 2016, 71, 157-162.	1.4	27
47	Impact of disinfectant wipes on the risk of Campylobacter jejuni infection during raw chicken preparation in domestic kitchens. Journal of Applied Microbiology, 2015, 119, 245-252.	3.1	13
48	Modeling of Human Viruses on Hands and Risk of Infection in an Office Workplace Using Micro-Activity Data. Journal of Occupational and Environmental Hygiene, 2015, 12, 266-275.	1.0	60
49	Spread of infectious microbes during emergency medical response. American Journal of Infection Control, 2015, 43, 606-611.	2.3	18
50	Control of the spread of viruses in a long-term care facility using hygiene protocols. American Journal of Infection Control, 2015, 43, 702-706.	2.3	22
51	Assessment of swimmer behaviors on pool water ingestion. Journal of Water and Health, 2014, 12, 269-279.	2.6	20
52	Evaluation of a Disinfectant Wipe Intervention on Fomite-to-Finger Microbial Transfer. Applied and Environmental Microbiology, 2014, 80, 3113-3118.	3.1	31
53	Use of Hygiene Protocols to Control the Spread of Viruses in a Hotel. Food and Environmental Virology, 2014, 6, 175-181.	3.4	27
54	Occurrence of Household Mold and Efficacy of Sodium Hypochlorite Disinfectant. Journal of Occupational and Environmental Hygiene, 2012, 9, 663-669.	1.0	14

#	Article	IF	Citations
55	Comparison of bacteria on new, disposable, laundered, and unlaundered hospital scrubs. American Journal of Infection Control, 2012, 40, 539-543.	2.3	40
56	Detection of bio-molecules using conductive chalcogenide glass sensor. , 2011, , .		0
57	Comparison of Multiple Passage Integrated Cell Culture-PCR and Cytopathogenic Effects in Cell Culture for the Assessment of Poliovirus Survival in Water. Food and Environmental Virology, 2010, 2, 225-230.	3.4	5
58	Risk of Waterborne Illness Via Drinking Water in the United States. Reviews of Environmental Contamination and Toxicology, 2008, 192, 117-158.	1.3	274