

Vincent R Hill

List of Publications by Year in descending order

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102
papers

7,038
citations

76326

40
h-index

58581

82
g-index

102
all docs

102
docs citations

102
times ranked

7130
citing authors

#	ARTICLE	IF	CITATIONS
1	Surveillance for waterborne disease and outbreaks associated with recreational water—United States, 2003-2004. <i>MMWR Surveillance Summaries</i> , 2006, 55, 1-30.	34.6	1,074
2	A broadly reactive one-step real-time RT-PCR assay for rapid and sensitive detection of hepatitis E virus. <i>Journal of Virological Methods</i> , 2006, 131, 65-71.	2.1	679
3	Rapid and Sensitive Detection of Noroviruses by Using TaqMan-Based One-Step Reverse Transcription-PCR Assays and Application to Naturally Contaminated Shellfish Samples. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1870-1875.	3.1	323
4	Quantitative Real-Time PCR Assays for Detection of Human Adenoviruses and Identification of Serotypes 40 and 41. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3131-3136.	3.1	225
5	Development of a Rapid Method for Simultaneous Recovery of Diverse Microbes in Drinking Water by Ultrafiltration with Sodium Polyphosphate and Surfactants. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6878-6884.	3.1	214
6	Multistate Evaluation of an Ultrafiltration-Based Procedure for Simultaneous Recovery of Enteric Microbes in 100-Liter Tap Water Samples. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4218-4225.	3.1	210
7	Surveillance for Waterborne Disease Outbreaks Associated with Drinking Water — United States, 2013–2014. <i>Morbidity and Mortality Weekly Report</i> , 2017, 66, 1216-1221.	15.1	195
8	Recreational exposure to microcystins during algal blooms in two California lakes. <i>Toxicon</i> , 2010, 55, 909-921.	1.6	182
9	Surveillance for Waterborne Disease Outbreaks Associated with Drinking Water — United States, 2011–2012. <i>Morbidity and Mortality Weekly Report</i> , 2015, 64, 842-848.	15.1	172
10	Estimate of Burden and Direct Healthcare Cost of Infectious Waterborne Disease in the United States. <i>Emerging Infectious Diseases</i> , 2021, 27, 140-149.	4.3	161
11	Dead-End Hollow-Fiber Ultrafiltration for Recovery of Diverse Microbes from Water. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5284-5289.	3.1	144
12	Primary Amebic Meningoencephalitis Deaths Associated With Sinus Irrigation Using Contaminated Tap Water. <i>Clinical Infectious Diseases</i> , 2012, 55, e79-e85.	5.8	144
13	Evidence of Person-to-Person Transmission of Hepatitis E Virus during a Large Outbreak in Northern Uganda. <i>Clinical Infectious Diseases</i> , 2010, 50, 1006-1010.	5.8	142
14	Inactivation of Adenoviruses, Enteroviruses, and Murine Norovirus in Water by Free Chlorine and Monochloramine. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1028-1033.	3.1	133
15	Ultrafiltration-based techniques for rapid and simultaneous concentration of multiple microbe classes from 100-L tap water samples. <i>Journal of Microbiological Methods</i> , 2008, 73, 92-99.	1.6	118
16	A Waterborne Outbreak of Gastroenteritis with Multiple Etiologies among Resort Island Visitors and Residents: Ohio, 2004. <i>Clinical Infectious Diseases</i> , 2007, 44, 506-512.	5.8	114
17	Broadly reactive TaqMan® assay for real-time RT-PCR detection of rotavirus in clinical and environmental samples. <i>Journal of Virological Methods</i> , 2009, 155, 126-131.	2.1	112
18	Detection and differentiation of <i>Cryptosporidium hominis</i> and <i>Cryptosporidium parvum</i> by dual TaqMan assays. <i>Journal of Medical Microbiology</i> , 2008, 57, 1099-1105.	1.8	107

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19	Molecular Diagnosis of Malaria by Photo-Induced Electron Transfer Fluorogenic Primers: PET-PCR. PLoS ONE, 2013, 8, e56677.	2.5	102
20	Surveillance for waterborne disease outbreaks associated with drinking water—United States, 2007–2008. MMWR Surveillance Summaries, 2011, 60, 38-68.	34.6	101
21	Methodological approaches for monitoring opportunistic pathogens in premise plumbing: A review. Water Research, 2017, 117, 68-86.	11.3	97
22	Recreational Exposure to Low Concentrations of Microcystins During an Algal Bloom in a Small Lake. Marine Drugs, 2008, 6, 389-406.	4.6	96
23	Recovery of diverse microbes in high turbidity surface water samples using dead-end ultrafiltration. Journal of Microbiological Methods, 2012, 91, 429-433.	1.6	87
24	Hollow-fiber ultrafiltration for simultaneous recovery of viruses, bacteria and parasites from reclaimed water. Journal of Microbiological Methods, 2012, 88, 155-161.	1.6	86
25	The First Association of a Primary Amebic Meningoencephalitis Death With Culturable Naegleria fowleri in Tap Water From a US Treated Public Drinking Water System. Clinical Infectious Diseases, 2015, 60, e36-e42.	5.8	84
26	Recreational Exposure to Low Concentrations of Microcystins During an Algal Bloom in a Small Lake. Marine Drugs, 2008, 6, 389-406.	4.6	83
27	Rapid detection of infectious adenoviruses by mRNA real-time RT-PCR. Journal of Virological Methods, 2005, 127, 148-153.	2.1	81
28	Fatal Naegleria fowleri Infection Acquired in Minnesota: Possible Expanded Range of a Deadly Thermophilic Organism. Clinical Infectious Diseases, 2012, 54, 805-809.	5.8	74
29	Surveillance for waterborne disease and outbreaks associated with drinking water and water not intended for drinking—United States, 2005-2006. MMWR Surveillance Summaries, 2008, 57, 39-62.	34.6	73
30	Development of plaque assays for adenoviruses 40 and 41. Journal of Virological Methods, 2008, 151, 140-145.	2.1	64
31	Inactivation of Cryptosporidium parvum under chlorinated recreational water conditions. Journal of Water and Health, 2008, 6, 513-520.	2.6	64
32	Novel Risk Factors Associated with Hepatitis E Virus Infection in a Large Outbreak in Northern Uganda: Results from a Case-Control Study and Environmental Analysis. American Journal of Tropical Medicine and Hygiene, 2010, 83, 1170-1173.	1.4	61
33	Outbreak of giardiasis associated with a community drinking-water source. Epidemiology and Infection, 2010, 138, 491-500.	2.1	60
34	Comparison of Hollow-Fiber Ultrafiltration to the USEPA VIRADEL Technique and USEPA Method 1623. Journal of Environmental Quality, 2009, 38, 822-825.	2.0	59
35	Recovery and Detection of <i>Escherichia coli</i> O157:H7 in Surface Water, Using Ultrafiltration and Real-Time PCR. Applied and Environmental Microbiology, 2009, 75, 3593-3597.	3.1	55
36	Outbreaks Associated with Treated Recreational Water—United States, 2000–2014. Morbidity and Mortality Weekly Report, 2018, 67, 547-551.	15.1	51

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37	Evaluation of 1MDS electropositive microfilters for simultaneous recovery of multiple microbe classes from tap water. <i>Journal of Microbiological Methods</i> , 2007, 68, 260-266.	1.6	50
38	Surveillance for waterborne disease and outbreaks associated with recreational water use and other aquatic facility-associated health events--United States, 2005-2006. <i>MMWR Surveillance Summaries</i> , 2008, 57, 1-29.	34.6	50
39	Effects of Source Water Quality on Chlorine Inactivation of Adenovirus, Coxsackievirus, Echovirus, and Murine Norovirus. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5159-5164.	3.1	47
40	Toxigenic <i>Vibrio cholerae</i> O1 in Water and Seafood, Haiti. <i>Emerging Infectious Diseases</i> , 2011, 17, 2147-50.	4.3	47
41	Waterborne Disease Outbreaks Associated With Environmental and Undetermined Exposures to Water -- United States, 2013--2014. <i>Morbidity and Mortality Weekly Report</i> , 2017, 66, 1222-1225.	15.1	42
42	Detection of GI and GII Noroviruses in Ground Water Using Ultrafiltration and TaqMan Real-time RT-PCR. <i>Food and Environmental Virology</i> , 2010, 2, 218-224.	3.4	40
43	Improved Method for the Detection and Quantification of <i>Naegleria fowleri</i> in Water and Sediment Using Immunomagnetic Separation and Real-Time PCR. <i>Journal of Parasitology Research</i> , 2013, 2013, 1-8.	1.2	36
44	Development of a Nucleic Acid Extraction Procedure for Simultaneous Recovery of DNA and RNA from Diverse Microbes in Water. <i>Pathogens</i> , 2015, 4, 335-354.	2.8	36
45	Effect of Cyanuric Acid on the Inactivation of <i>Cryptosporidium parvum</i> under Hyperchlorination Conditions. <i>Environmental Science & Technology</i> , 2015, 49, 7348-7355.	10.0	35
46	Design of FRET-TaqMan probes for multiplex real-time PCR using an internal positive control. <i>BioTechniques</i> , 2009, 46, 519-524.	1.8	31
47	US Outbreak of Human <i>Salmonella</i> Infections Associated With Aquatic Frogs, 2008--2011. <i>Pediatrics</i> , 2013, 131, 724-731.	2.1	31
48	Relative Insignificance of Virus Inactivation during Aluminum Electrocoagulation of Saline Waters. <i>Environmental Science & Technology</i> , 2014, 48, 14590-14598.	10.0	31
49	Outbreaks Associated With Environmental and Undetermined Water Exposures -- United States, 2011--2012. <i>Morbidity and Mortality Weekly Report</i> , 2015, 64, 849-851.	15.1	31
50	Microbial indicator reductions in alternative treatment systems for swine wastewater. <i>Water Science and Technology</i> , 1998, 38, 119.	2.5	30
51	Laboratory Evaluation of Thermophilic-Anaerobic Digestion to Produce Class A Biosolids. 2. Inactivation of Pathogens and Indicator Organisms in a Continuous-Flow Reactor Followed by Batch Treatment. <i>Water Environment Research</i> , 2005, 77, 3028-3036.	2.7	30
52	Source water quality effects on monochloramine inactivation of adenovirus, coxsackievirus, echovirus, and murine norovirus. <i>Water Research</i> , 2011, 45, 1745-1751.	11.3	30
53	Outbreak of <i>Francisella novicida</i> Bacteremia Among Inmates at a Louisiana Correctional Facility. <i>Clinical Infectious Diseases</i> , 2014, 59, 826-833.	5.8	30
54	<i>Ascaris</i> and <i>Escherichia coli</i> Inactivation in an Ecological Sanitation System in Port-au-Prince, Haiti. <i>PLoS ONE</i> , 2015, 10, e0125336.	2.5	30

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55	Aggregation of Adenovirus 2 in Source Water and Impacts on Disinfection by Chlorine. <i>Food and Environmental Virology</i> , 2016, 8, 148-155.	3.4	28
56	Evaluation of an Ultrafiltration-Based Procedure for Simultaneous Recovery of Diverse Microbes in Source Waters. <i>Water (Switzerland)</i> , 2015, 7, 1202-1216.	2.7	27
57	Prospects for Pathogen Reductions in Livestock Wastewaters: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2003, 33, 187-235.	12.8	26
58	Fate and transport of enteric microbes from septic systems in a coastal watershed. <i>Journal of Environmental Health</i> , 2015, 77, 22-30.	0.5	26
59	Visual endpoint detection of <i>Escherichia coli</i> O157:H7 using isothermal Genome Exponential Amplification Reaction (GEAR) assay and malachite green. <i>Journal of Microbiological Methods</i> , 2014, 98, 122-127.	1.6	25
60	Microbial and chemical contamination during and after flooding in the Ohio River—Kentucky, 2011. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1236-1243.	1.7	24
61	Real-Time PCR and Sequencing Assays for Rapid Detection and Identification of Avian Schistosomes in Environmental Samples. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4207-4215.	3.1	22
62	Preventing Maritime Transfer of Toxigenic <i>Vibrio cholerae</i> . <i>Emerging Infectious Diseases</i> , 2012, 18, 1680-1682.	4.3	21
63	Calculation and uncertainty of zeta potentials of microorganisms in a 1:1 electrolyte with a conductivity similar to surface water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124097.	4.7	21
64	Environmental Surveillance for Toxigenic <i>Vibrio cholerae</i> in Surface Waters of Haiti. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 118-125.	1.4	20
65	Evaluation of a molecular beacon real-time PCR assay for detection of <i>Baylisascaris procyonis</i> in different soil types and water samples. <i>Parasitology Research</i> , 2010, 106, 499-504.	1.6	19
66	Primary Amebic Meningoencephalitis Associated With Rafting on an Artificial Whitewater River: Case Report and Environmental Investigation. <i>Clinical Infectious Diseases</i> , 2018, 66, 548-553.	5.8	18
67	Reduction of Enteric Microbes in Flushed Swine Wastewater Treated by a Biological Aerated Filter and UV Irradiation. <i>Water Environment Research</i> , 2002, 74, 91-99.	2.7	17
68	Efficacy of Chlorine Dioxide Tablets on Inactivation of <i>Cryptosporidium</i> Oocysts. <i>Environmental Science & Technology</i> , 2014, 48, 5849-5856.	10.0	17
69	Giardiasis outbreak at a camp after installation of a slow-sand filtration water-treatment system. <i>Epidemiology and Infection</i> , 2011, 139, 713-717.	2.1	16
70	Notes from the Field: Primary Amebic Meningoencephalitis Associated with Exposure to Swimming Pool Water Supplied by an Overland Pipe in Inyo County, California, 2015. <i>Morbidity and Mortality Weekly Report</i> , 2016, 65, 424.	15.1	16
71	Identifying septic pollution exposure routes during a waterborne norovirus outbreak - A new application for human-associated microbial source tracking qPCR. <i>Journal of Microbiological Methods</i> , 2021, 180, 106091.	1.6	15
72	Comparison of real-time PCR methods for the detection of <i>Naegleria fowleri</i> in surface water and sediment. <i>Parasitology Research</i> , 2015, 114, 1739-1746.	1.6	14

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73	Outbreaks Associated with Treated Recreational Water â€” United States, 2015â€”2019. <i>Morbidity and Mortality Weekly Report</i> , 2021, 70, 733-738.	15.1	13
74	Ultrafiltration improves ELISA and Endopep MS analysis of botulinum neurotoxin type A in drinking water. <i>Journal of Microbiological Methods</i> , 2012, 90, 267-272.	1.6	12
75	A case of primary amebic meningoencephalitis caused by <i>Naegleria fowleri</i> in Bangladesh. <i>Parasitology Research</i> , 2020, 119, 339-344.	1.6	11
76	Detection of <i>Cyclospora cayetanensis</i> in produce irrigation and wash water using large-volume sampling techniques. <i>Food and Waterborne Parasitology</i> , 2021, 22, e00110.	2.7	11
77	Waterborne disease outbreaks associated with environmental and undetermined exposures to water â€” United States, 2013-2014. <i>American Journal of Transplantation</i> , 2018, 18, 262-267.	4.7	10
78	The effect of cyanuric acid on the disinfection rate of <i>Cryptosporidium parvum</i> in 20-ppm free chlorine. <i>Journal of Water and Health</i> , 2009, 7, 109-114.	2.6	9
79	Norovirus Outbreak Associated With a Natural Lake Used for Recreationâ€”Oregon, 2014. <i>American Journal of Transplantation</i> , 2015, 15, 2001-2005.	4.7	9
80	Draft Genome Sequence of <i>Raoultella planticola</i> , Isolated from River Water. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
81	Outbreaks associated with treated recreational water - United States, 2000-2014. <i>American Journal of Transplantation</i> , 2018, 18, 1815-1819.	4.7	8
82	Norovirus outbreak associated with a natural lake used for recreation - Oregon, 2014. <i>Morbidity and Mortality Weekly Report</i> , 2015, 64, 485-90.	15.1	8
83	Rapid detection of microbial DNA by a novel isothermal genome exponential amplification reaction (GEAR) assay. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 738-742.	2.1	7
84	Multistate Evaluation of an Ultrafiltration-Based Procedure for Simultaneous Recovery of Enteric Microbes in 100-Liter Tap Water Samples. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6327-6327.	3.1	6
85	Comparison of Hollow-Fiber Ultrafilters with Pleated Capsule Filters for Surface and Tap Water Samples Using U.S. EPA Method 1623. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 899-901.	1.4	6
86	Removals of <i>cryptosporidium parvum</i> oocysts and <i>cryptosporidium</i> -sized polystyrene microspheres from swimming pool water by diatomaceous earth filtration and perlite-sand filtration. <i>Journal of Water and Health</i> , 2017, 15, 374-384.	2.6	6
87	Pool water quality and prevalence of microbes in filter backwash from metro-Atlanta swimming pools. <i>Journal of Water and Health</i> , 2018, 16, 87-92.	2.6	6
88	Wilderness Medical Society Clinical Practice Guidelines for Water Disinfection for Wilderness, International Travel, and Austere Situations. <i>Wilderness and Environmental Medicine</i> , 2019, 30, S100-S120.	0.9	6
89	Response and remediation actions following the detection of <i>Naegleria fowleri</i> in two treated drinking water distribution systems, Louisiana, 2013â€”2014. <i>Journal of Water and Health</i> , 2019, 17, 777-787.	2.6	6
90	A new solid matrix for preservation of viral nucleic acid from clinical specimens at ambient temperature. <i>Journal of Virological Methods</i> , 2019, 274, 113732.	2.1	6

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91	Draft Genome Sequence of <i>Buttiauxella agrestis</i> , Isolated from Surface Water. <i>Genome Announcements</i> , 2014, 2, .	0.8	5
92	Draft Genome Sequence of Environmental <i>Vibrio cholerae</i> 2012EL-1759 with Similarities to the <i>V. cholerae</i> O1 Classical Bioty. <i>Genome Announcements</i> , 2014, 2, .	0.8	5
93	Detection and identification of <i>Giardia</i> species using real-time PCR and sequencing. <i>Journal of Microbiological Methods</i> , 2021, 189, 106279.	1.6	5
94	Water quality, availability, and acute gastroenteritis on the Navajo Nation “ a pilot case-control study. <i>Journal of Water and Health</i> , 2018, 16, 1018-1028.	2.6	4
95	Outbreaks associated with treated recreational water “ United States, 2015“2019. <i>American Journal of Transplantation</i> , 2021, 21, 2605-2609.	4.7	4
96	Evaluation of alternative DNA extraction processes and real-time PCR for detecting <i>Cryptosporidium parvum</i> in drinking water. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 1295-1303.	2.1	3
97	Detection of <i>Cryptosporidium</i> Recovered from Large-Volume Water Samples Using Dead-End Ultrafiltration. <i>Methods in Molecular Biology</i> , 2020, 2052, 23-41.	0.9	3
98	A novel photoinduced electron transfer (PET) primer technique for rapid real-time PCR detection of <i>Cryptosporidium</i> spp.. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 134-139.	2.1	2
99	Inter-Laboratory Evaluation and Successful Implementation of MS2 Coliphage as a Surrogate to Establish Proficiency Using a BSL-3 Procedure. <i>Water (Switzerland)</i> , 2016, 8, 248.	2.7	2
100	Conference Report: The 6th International Symposium on Waterborne Pathogens. <i>Journal - American Water Works Association</i> , 2015, 107, 24-32.	0.3	1
101	Water Sampling and Processing Techniques for Public Health-Related Microbes. , 2015, , 2.6.1-1-2.6.1-16.		0
102	Use of <i>Enterococcus faecalis</i> and <i>Bacillus atrophaeus</i> as surrogates to establish and maintain laboratory proficiency for concentration of water samples using ultrafiltration. <i>Journal of Microbiological Methods</i> , 2015, 118, 133-142.	1.6	0