Christopher D Heaney

List of Publications by Year
in descending order

73	2,013	279487 23	276539 41
papers	citations	h-index	g-index

85	85	85	2799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COVID-19 Serology at Population Scale: SARS-CoV-2-Specific Antibody Responses in Saliva. Journal of Clinical Microbiology, 2020, 59, .	1.8	193
2	Livestock-Associated Methicillin and Multidrug Resistant Staphylococcus aureus Is Present among Industrial, Not Antibiotic-Free Livestock Operation Workers in North Carolina. PLoS ONE, 2013, 8, e67641.	1.1	130
3	Contact With Beach Sand Among Beachgoers and Risk of Illness. American Journal of Epidemiology, 2009, 170, 164-172.	1.6	106
4	Concentration and Detection of Cryptosporidium Oocysts in Surface Water Samples by Method 1622 Using Ultrafiltration and Capsule Filtration. Applied and Environmental Microbiology, 2001, 67, 1123-1127.	1.4	101
5	Fecal Indicators in Sand, Sand Contact, and Risk of Enteric Illness Among Beachgoers. Epidemiology, 2012, 23, 95-106.	1.2	100
6	Relation between malodor, ambient hydrogen sulfide, and health in a community bordering a landfill. Environmental Research, 2011, 111, 847-852.	3.7	92
7	Built Environment Issues in Unserved and Underserved African-American Neighborhoods in North Carolina. Environmental Justice, 2008, 1, 63-72.	0.8	66
8	Source tracking swine fecal waste in surface water proximal to swine concentrated animal feeding operations. Science of the Total Environment, 2015, 511, 676-683.	3.9	65
9	Hepatitis E virus seroprevalence in three hyperendemic areas: Nepal, Bangladesh and southwest France. Journal of Clinical Virology, 2015, 70, 39-42.	1.6	54
10	Impacts of a changing earth on microbial dynamics and human health risks in the continuum between beach water and sand. Water Research, 2019, 162, 456-470.	5.3	53
11	Persistence of livestock-associated antibiotic-resistantStaphylococcus aureusamong industrial hog operation workers in North Carolina over 14â€...days. Occupational and Environmental Medicine, 2015, 72, 90-99.	1.3	51
12	The Prevalence of Antibiotic-Resistant Staphylococcus aureus Nasal Carriage among Industrial Hog Operation Workers, Community Residents, and Children Living in Their Households: North Carolina, USA. Environmental Health Perspectives, 2017, 125, 560-569.	2.8	48
13	Two Generations of â€œGold Standardsâ€• The Impact of a Decade in Hepatitis E Virus Testing Innovation on Population Seroprevalence. American Journal of Tropical Medicine and Hygiene, 2015, 93, 714-717.	0.6	39
14	Arsenic and Immune Response to Infection During Pregnancy and Early Life. Current Environmental Health Reports, 2017, 4, 229-243.	3.2	36
15	External Societal Costs of Antimicrobial Resistance in Humans Attributable to Antimicrobial Use in Livestock. Annual Review of Public Health, 2020, 41, 141-157.	7.6	35
16	Arsenic exposure and hepatitis E virus infection during pregnancy. Environmental Research, 2015, 142, 273-280.	3.7	33
17	Floors and Toilets: Association of Floors and Sanitation Practices with Fecal Contamination in Peruvian Amazon Peri-Urban Households. Environmental Science & Technology, 2016, 50, 7373-7381.	4.6	30
18	Livestock-Associated, Antibiotic-Resistant Staphylococcus aureus Nasal Carriage and Recent Skin and Soft Tissue Infection among Industrial Hog Operation Workers. PLoS ONE, 2016, 11, e0165713.	1.1	29

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19	Occurrence of Staphylococcus aureus in swine and swine workplace environments on industrial and antibiotic-free hog operations in North Carolina, USA: A One Health pilot study. Environmental Research, 2018, 163, 88-96.	3.7	28
20	Face Mask Use and Persistence of Livestock-associated Staphylococcus aureus Nasal Carriage among Industrial Hog Operation Workers and Household Contacts, USA. Environmental Health Perspectives, 2018, 126, 127005.	2.8	28
21	Probable transmission of hepatitis E virus (HEV) via transfusion in the United States. Transfusion, 2019, 59, 1024-1034.	0.8	28
22	Low-moderate arsenic exposure and respiratory in American Indian communities in the Strong Heart Study. Environmental Health, 2019, 18, 104.	1.7	28
23	Comparative performance of multiplex salivary and commercially available serologic assays to detect SARS-CoV-2 IgG and neutralization titers. Journal of Clinical Virology, 2021, 145, 104997.	1.6	28
24	Use of EPA Collaborative Problem-Solving Model to Obtain Environmental Justice in North Carolina. Progress in Community Health Partnerships: Research, Education, and Action, 2007, 1, 327-337.	0.2	27
25	Obstacles to diagnosis and treatment of Lyme disease in the USA: a qualitative study. BMJ Open, 2018, 8, e021367.	0.8	27
26	Hepatitis E Virus Infection Among Solid Organ Transplant Recipients at a North American Transplant Center. Open Forum Infectious Diseases, 2016, 3, ofw006.	0.4	26
27	Immune Response Characterization after Controlled Infection with Lyophilized Shigella sonnei 53G. MSphere, 2020, 5, .	1.3	25
28	Water quality, weather and environmental factors associated with fecal indicator organism density in beach sand at two recreational marine beaches. Science of the Total Environment, 2014, 497-498, 440-447.	3.9	22
29	Use of Pathogen-Specific Antibody Biomarkers to Estimate Waterborne Infections in Population-Based Settings. Current Environmental Health Reports, 2016, 3, 322-334.	3.2	22
30	Minimally Invasive Saliva Testing to Monitor Norovirus Infection in Community Settings. Journal of Infectious Diseases, 2019, 219, 1234-1242.	1.9	22
31	Hepatitis E virus and coliphages in waters proximal to swine concentrated animal feeding operations. Science of the Total Environment, 2015, 505, 487-493.	3.9	20
32	Development of an oral fluid immunoassay to assess past and recent hepatitis E virus (HEV) infection. Journal of Immunological Methods, 2017, 448, 1-8.	0.6	18
33	Epidemiology of Lyme disease in Pennsylvania 2006â€“2014 using electronic health records. Ticks and Tick-borne Diseases, 2019, 10, 241-250.	1.1	18
34	Magnetofluidic immuno-PCR for point-of-care COVID-19 serological testing. Biosensors and Bioelectronics, 2022, 195, 113656.	5.3	18
35	Hepatitis E. Current Opinion in Infectious Diseases, 2016, 29, 478-485.	1.3	17
36	Public infrastructure disparities and the microbiological and chemical safety of drinking and surface water supplies in a community bordering a landfill. Journal of Environmental Health, 2013, 75, 24-36.	0.5	17

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37	The Serological Sciences Network (SeroNet) for COVID-19: Depth and Breadth of Serology Assays and Plans for Assay Harmonization. MSphere, 2022, 7, .	1.3	16
38	Governance Structures and the Lack of Basic Amenities: Can Community Engagement Be Effectively Used to Address Environmental Injustice in Underserved Black Communities?. Environmental Justice, 2010, 3, 125-133.	0.8	15
39	Risk Factors and Outcomes of Treatment Delays in Lyme Disease: A Population-Based Retrospective Cohort Study. Frontiers in Medicine, 2020, 7, 560018.	1.2	15
40	Occurrence of methicillin-resistant Staphylococcus aureus in surface waters near industrial hog operation spray fields. Science of the Total Environment, 2016, 565, 1028-1036.	3.9	14
41	Global Epidemiology and Evolutionary History of Staphylococcus aureus ST45. Journal of Clinical Microbiology, 2020, 59, .	1.8	14
42	Policy implications for awareness gaps in antimicrobial resistance (AMR) and antimicrobial use among commercial Nepalese poultry producers. Global Health Research and Policy, 2021, 6, 6.	1.4	13
43	Delayed Rise of Oral Fluid Antibodies, Elevated BMI, and Absence of Early Fever Correlate With Longer Time to SARS-CoV-2 RNA Clearance in a Longitudinally Sampled Cohort of COVID-19 Outpatients. Open Forum Infectious Diseases, 2021, 8, ofab195.	0.4	13
44	Use of community-owned and -managed research to assess the vulnerability of water and sewer services in marginalized and underserved environmental justice communities. Journal of Environmental Health, 2011, 74, 8-17.	0.5	13
45	Elevated serum levels of IL-6 and CXCL9 in autoimmune retinopathy (AIR) patients. Journal of Neuroimmunology, 2018, 316, 74-79.	1.1	11
46	Comparison of livestock-associated and community-associated Staphylococcus aureus pathogenicity in a mouse model of skin and soft tissue infection. Scientific Reports, 2019, 9, 6774.	1.6	11
47	Transmission of Antimicrobial-Resistant Staphylococcus aureus Clonal Complex 9 between Pigs and Humans, United States. Emerging Infectious Diseases, 2021, 27, 740-748.	2.0	11
48	Peridomestic and community-wide landscape risk factors for Lyme disease across a range of community contexts in Pennsylvania. Environmental Research, 2019, 178, 108649.	3.7	10
49	Identification of Staphylococcus aureus from enriched nasal swabs within 24 h is improved with use of multiple culture media. Journal of Medical Microbiology, 2013, 62, 1365-1367.	0.7	9
50	â€œAg-Gagâ€•Laws: Evolution, Resurgence, and Public Health Implications. New Solutions, 2019, 28, 664-682.	0.6	9
51	Pig-2-Bac as a biomarker of occupational exposure to pigs and livestock-associated Staphylococcus aureus among industrial hog operation workers. Environmental Research, 2015, 143, 93-97.	3.7	8
52	Validation of microbial source tracking markers for the attribution of fecal contamination in indoor-household environments of the Peruvian Amazon. Science of the Total Environment, 2020, 743, 140531.	3.9	8
53	Informing influenza pandemic preparedness using commercial poultry farmer knowledge, attitudes, and practices (KAP) surrounding biosecurity and self-reported avian influenza outbreaks in Nepal. One Health, 2020, 11, 100189.	1.5	8
54	Evaluating immunity to <scp>SARSâ€CoV</scp>â€2 in nursing home residents using saliva <scp>IgG</scp>. Journal of the American Geriatrics Society, 2022, 70, 659-668.	1.3	7

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55	Climate Change Impacts on Microbiota in Beach Sand and Water: Looking Ahead. International Journal of Environmental Research and Public Health, 2022, 19, 1444.	1.2	7
56	Pig Movement and Antimicrobial Use Drive Transmission of Livestock-Associated Staphylococcus aureus CC398. MBio, 2018, 9, .	1.8	6
57	Relation of repeated exposures to air emissions from swine industrial livestock operations to sleep duration and awakenings in nearby residential communities. Sleep Health, 2021, 7, 528-534.	1.3	6
58	Challenges in Estimating Characteristics of Staphylococcus aureus Nasal Carriage Among Humans Enrolled in Surveillance Studies. Frontiers in Public Health, 2018, 6, 163.	1.3	5
59	Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. Open Forum Infectious Diseases, 2022, 9, .	0.4	5
60	The Epidemiology and Prevention of Hepatitis E Virus Infection. Current Epidemiology Reports, 2017, 4, 186-198.	1.1	4
61	Relations of peri-residential temperature and humidity in tick-life-cycle-relevant time periods with human Lyme disease risk in Pennsylvania, USA. Science of the Total Environment, 2021, 795, 148697.	3.9	4
62	Application of SARS-CoV-2 Serology to Address Public Health Priorities. Frontiers in Public Health, 2021, 9, 744535.	1.3	4
63	Integrating research and community organizing to address water and sanitation concerns in a community bordering a landfill. Journal of Environmental Health, 2013, 75, 48-50.	0.5	4
64	The Utility of Antibodies in Saliva to Measure Pathogen Exposure and Infection. , 2020, , 287-319.		3
65	Risk factors for Lyme disease stage and manifestation using electronic health records. BMC Infectious Diseases, 2021, 21, 1269.	1.3	3
66	Optimal decision theory for diagnostic testing: Minimizing indeterminate classes with applications to saliva-based SARS-CoV-2 antibody assays. Mathematical Biosciences, 2022, 351, 108858.	0.9	3
67	Equivalence of influenza A virus RNA recovery from nasal swabs when lysing the swab and storage medium versus storage medium alone. Journal of Virological Methods, 2015, 217, 14-17.	1.0	2
68	Selfâ€reported work activities, eye, nose, and throat symptoms, and respiratory health outcomes among an industrial hog operation worker cohort, North Carolina, USA. American Journal of Industrial Medicine, 2021, 64, 403-413.	1.0	1
69	Personal protective equipment use during industrial hog operation work activities and acute lung function changes in a prospective worker cohort, North Carolina 2014â€“2015. American Journal of Industrial Medicine, 2021, 64, 688-698.	1.0	1
70	Characterizing spatiotemporal variability in airborne heavy metal concentration: Changes after 18ÂYears in Baltimore, MD. Environmental Research, 2022, 209, 112878.	3.7	1
71	166 Air emissions from swine industrial livestock operations and sleep among residents in nearby residential communities. Sleep, 2021, 44, A68-A68.	0.6	0
72	Arsenic Methylation and Body Composition among Pregnant Women in Rural Northern Bangladesh: The Pregnancy, Arsenic, and Immune Response (PAIR) Study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

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73	Application of Markov models to predict changes in nasal carriage of Staphylococcus aureus among industrial hog operations workers. Journal of Occupational and Environmental Hygiene, 2022, , 1-13.	0.4	0