Karen Shapiro

List of Publications by Year
in descending order

52 papers	1,310 citations	361413 20 h-index	377865 34 g-index
53 all docs	53 docs citations	53 times ranked	1264 citing authors

#	Article	IF	Citations
1	Environmental transmission of Toxoplasma gondii: Oocysts in water, soil and food. Food and Waterborne Parasitology, 2019, 15, e00049.	2.7	174
2	Molecules to modeling: Toxoplasma gondii oocysts at the humanâ€“animalâ€“environment interface. Comparative Immunology, Microbiology and Infectious Diseases, 2013, 36, 217-231.	1.6	75
3	Effect of Estuarine Wetland Degradation on Transport of Toxoplasma gondii Surrogates from Land to Sea. Applied and Environmental Microbiology, 2010, 76, 6821-6828.	3.1	63
4	Wastewater analysis can be a powerful public health toolâ€"if itâ€™s done sensibly. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	58
5	Coastal development and precipitation drive pathogen flow from land to sea: evidence from a Toxoplasma gondii and felid host system. Scientific Reports, 2016, 6, 29252.	3.3	56
6	Surveillance for <scp>T</scp>oxoplasma gondii in <scp>C</scp>alifornia mussels (<scp>M</scp>ytilus californianus) reveals transmission of atypical genotypes from land to sea. Environmental Microbiology, 2015, 17, 4177-4188.	3.8	53
7	Comparable levels of microbial contamination in soil and on tomato crops after drip irrigation with treated wastewater or potable water. Agriculture, Ecosystems and Environment, 2016, 215, 140-150.	5.3	52
8	TEMPORAL ASSOCIATION BETWEEN LAND-BASED RUNOFF EVENTS AND CALIFORNIA SEA OTTER (ENHYDRA) Tj ETQq0 0 0 rgBT /Overlo	0.8	51
9	Detection of Toxoplasma gondii oocysts and surrogate microspheres in water using ultrafiltration and capsule filtration. Water Research, 2010, 44, 893-903.	11.3	47
10	Surface Properties of Toxoplasma gondii Oocysts and Surrogate Microspheres. Applied and Environmental Microbiology, 2009, 75, 1185-1191.	3.1	40
11	Aquatic polymers can drive pathogen transmission in coastal ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141287.	2.6	38
12	Association of Toxoplasma gondii oocysts with fresh, estuarine, and marine macroaggregates. Limnology and Oceanography, 2012, 57, 449-456.	3.1	37
13	First report of Toxoplasma gondii sporulated oocysts and Giardia duodenalis in commercial green-lipped mussels (Perna canaliculus) in New Zealand. Parasitology Research, 2018, 117, 1453-1463.	1.6	37
14	Type X strains of Toxoplasma gondii are virulent for southern sea otters (Enhydra lutris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biological Sciences, 2019, 286, 20191334.	2.6	30
15	Structure, composition, and roles of the Toxoplasma gondii oocyst and sporocyst walls. Cell Surface, 2019, 5, 100016.	3.0	30
16	A New Pathogen Transmission Mechanism in the Ocean: The Case of Sea Otter Exposure to the Land-Parasite Toxoplasma gondii. PLoS ONE, 2013, 8, e82477.	2.5	30
17	Molecular Epidemiology of Cryptosporidium spp. and Giardia spp. in Mussels (Mytilus californianus) and California Sea Lions (Zalophus californianus) from Central California. Applied and Environmental Microbiology, 2014, 80, 7732-7740.	3.1	25
18	Association of zoonotic protozoan parasites with microplastics in seawater and implications for human and wildlife health. Scientific Reports, 2022, 12, 6532.	3.3	25

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19	Simultaneous detection of four protozoan parasites on leafy greens using a novel multiplex PCR assay. Food Microbiology, 2019, 84, 103252.	4.2	24
20	Concentration and retention of <scp>T</scp>oxoplasma gondii oocysts by marine snails demonstrate a novel mechanism for transmission of terrestrial zoonotic pathogens in coastal ecosystems. Environmental Microbiology, 2015, 17, 4527-4537.	3.8	21
21	Dual congenital transmission ofToxoplasma gondiiandSarcocystis neuronain a late-term aborted pup from a chronically infected southern sea otter (Enhydra lutris nereis). Parasitology, 2016, 143, 276-288.	1.5	21
22	Hydrologic and Vegetative Removal of Cryptosporidium parvum, Giardia lamblia, and Toxoplasma gondii Surrogate Microspheres in Coastal Wetlands. Applied and Environmental Microbiology, 2013, 79, 1859-1865.	3.1	20
23	Attempted Detection of Toxoplasma gondii Oocysts in Environmental Waters Using a Simple Approach to Evaluate the Potential for Waterborne Transmission in the GalÃ¡pagos Islands, Ecuador. EcoHealth, 2014, 11, 207-214.	2.0	20
24	Seasonal and spatial variation in Toxoplasma gondii contamination in soil in urban public spaces in California, United States. Zoonoses and Public Health, 2020, 67, 70-78.	2.2	20
25	Research Commentary: Association of Zoonotic Pathogens with Fresh, Estuarine, and Marine Macroaggregates. Microbial Ecology, 2013, 65, 928-933.	2.8	19
26	Comparison of freeze-thaw cycles for nucleic acid extraction and molecular detection of Cryptosporidium parvum and Toxoplasma gondii oocysts in environmental matrices. Journal of Microbiological Methods, 2019, 156, 1-4.	1.6	19
27	Sarcocystis fayeri in skeletal muscle of horses with neuromuscular disease. Neuromuscular Disorders, 2016, 26, 85-93.	0.6	18
28	Dynamics and epidemiology of Toxoplasma gondii oocyst shedding in domestic and wild felids. Transboundary and Emerging Diseases, 2022, 69, 2412-2423.	3.0	18
29	Application of next generation sequencing for detection of protozoan pathogens in shellfish. Food and Waterborne Parasitology, 2020, 21, e00096.	2.7	16
30	Cryptosporidium and Giardia in locally harvested clams in Iqaluit, Nunavut. Zoonoses and Public Health, 2020, 67, 352-361.	2.2	13
31	Climate and coastal habitat change: A recipe for a dirtier ocean. Marine Pollution Bulletin, 2012, 64, 1079-1080.	5.0	12
32	Estimating environmental conditions affecting protozoal pathogen removal in surface water wetland systems using a multi-scale, model-based approach. Science of the Total Environment, 2014, 493, 1036-1046.	8.0	12
33	Concentration and retention of Toxoplasma gondii surrogates from seawater by red abalone (Haliotis rufescens). Parasitology, 2016, 143, 1703-1712.	1.5	12
34	Quantification of viable protozoan parasites on leafy greens using molecular methods. Food Microbiology, 2021, 99, 103816.	4.2	11
35	The challenge of SARS-CoV-2 environmental monitoring in schools using floors and portable HEPA filtration units: Fresh or relic RNA?. PLoS ONE, 2022, 17, e0267212.	2.5	11
36	Simultaneous detection of Giardia lamblia and Cryptosporidium parvum (oo)cysts in soil using immunomagnetic separation and direct fluorescent antibody staining. Journal of Microbiological Methods, 2013, 94, 375-377.	1.6	10

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37	Prevalence and genetic characterization of Giardia spp. and Cryptosporidium spp. in dogs in Iqaluit, Nunavut, Canada. Zoonoses and Public Health, 2019, 66, 813-825.	2.2	10
38	Comparison of PCR assays to detect Toxoplasma gondii oocysts in green-lipped mussels (Perna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.6	10
39	Detection and characterization of diverse coccidian protozoa shed by California sea lions. International Journal for Parasitology: Parasites and Wildlife, 2016, 5, 5-16.	1.5	9
40	Clams and potential foodborne Toxoplasma gondii in Nunavut, Canada. Zoonoses and Public Health, 2021, 68, 277-283.	2.2	9
41	Toxoplasma gondii. , 0, , .		9
42	PREVALENCE AND CHARACTERIZATION OFSALMONELLASHED BY CAPTIVE AND FREE-RANGE CALIFORNIA SEA LIONS (ZALOPHUS CALIFORNIANUS) FROM A REHABILITATION CENTER AND THREE STATE RESERVES ALONG THE CALIFORNIA COAST. Journal of Zoo and Wildlife Medicine, 2014, 45, 527-533.	0.6	8
43	Effects of transparent exopolymer particles and suspended particles on the survival of Salmonella enterica serovar Typhimurium in seawater. FEMS Microbiology Ecology, 2015, 91, .	2.7	7
44	California mussels (Mytilus californianus) as sentinels for marine contamination with Sarcocystis neurona. Parasitology, 2016, 143, 762-769.	1.5	7
45	Fecal indicator bacteria and zoonotic pathogens in marine snow and California mussels (Mytilus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	7
46	The prevalence of Cyclospora cayetanensis in water: a systematic review and meta-analysis. Epidemiology and Infection, 2022, 150, .	2.1	7
47	Sarcocystis neurona Transmission from Opossums to Marine Mammals in the Pacific Northwest. EcoHealth, 2021, 18, 84-94.	2.0	5
48	Effects of salinity and transparent exopolymer particles on formation of aquatic aggregates and their association with norovirus. Science of the Total Environment, 2018, 643, 1514-1521.	8.0	3
49	A metabarcoding approach for detecting protozoan pathogens in wild oysters from Prince Edward Island, Canada. International Journal of Food Microbiology, 2021, 360, 109315.	4.7	1
50	INVESTIGATION OF SARCOCYSTIS SPP. INFECTION IN FREE-RANGING AMERICAN BLACK BEARS (URSUS) Tj ETQq0 0 0 rgBT /Overlock 10 Wildlife Diseases, 2021, 57, 856-864.	0.8	0
51	Detection of Protozoan Parasites on Leafy Greens Using Multiplex PCR. , 2021, , 163-176.		0
52	Detection of Toxoplasma Gondii and Cyclospora Cayetanensis in Oysters. , 2021, , 225-239.		0