Sarah Dorner

List of Publications by Year
in descending order

55 papers	1,654 citations	279798 23 h-index	302126 39 g-index
55 all docs	55 docs citations	55 times ranked	1883 citing authors

#	Article	IF	Citations
1	Locating illicit discharges in storm sewers in urban areas using multi-parameter source tracking: Field validation of a toolbox composite index to prioritize high risk areas. Science of the Total Environment, 2022, 811, 152060.	8.0	11
2	Oxidation to Control Cyanobacteria and Cyanotoxins in Drinking Water Treatment Plants: Challenges at the Laboratory and Full-Scale Plants. Water (Switzerland), 2022, 14, 537.	2.7	3
3	Evidence-Based Framework to Manage Cyanobacteria and Cyanotoxins in Water and Sludge from Drinking Water Treatment Plants. Toxins, 2022, 14, 410.	3.4	7
4	Occurrence and partitioning behavior of E. coli and wastewater micropollutants following rainfall events. Resources, Environment and Sustainability, 2022, 9, 100067.	5.9	4
5	Importance of Distributional Forms for the Assessment of Protozoan Pathogens Concentrations in Drinking‐Water Sources. Risk Analysis, 2021, 41, 1396-1412.	2.7	2
6	Impact of Hydrometeorological Events for the Selection of Parametric Models for Protozoan Pathogens in Drinking‐Water Sources. Risk Analysis, 2021, 41, 1413-1426.	2.7	4
7	Can Cyanobacterial Diversity in the Source Predict the Diversity in Sludge and the Risk of Toxin Release in a Drinking Water Treatment Plant?. Toxins, 2021, 13, 25.	3.4	18
8	Demonstrating the reduction of enteric viruses by drinking water treatment during snowmelt episodes in urban areas. Water Research X, 2021, 11, 100091.	6.1	13
9	Automated Targeted Sampling of Waterborne Pathogens and Microbial Source Tracking Markers Using Near-Real Time Monitoring of Microbiological Water Quality. Water (Switzerland), 2021, 13, 2069.	2.7	6
10	Using surrogate data to assess risks associated with microbial peak events in source water at drinking water treatment plants. Water Research, 2021, 200, 117296.	11.3	6
11	Changes in Escherichia coli to enteric protozoa ratios in rivers: Implications for risk-based assessment of drinking water treatment requirements. Water Research, 2021, 205, 117707.	11.3	3
12	Metagenomic study to evaluate functional capacity of a cyanobacterial bloom during oxidation. Chemical Engineering Journal Advances, 2021, 8, 100151.	5.2	5
13	The Effects of Ferric Sulfate (Fe2(SO4)3) on the Removal of Cyanobacteria and Cyanotoxins: A Mesocosm Experiment. Toxins, 2021, 13, 753.	3.4	4
14	Can routine monitoring of E.Âcoli fully account for peak event concentrations at drinking water intakes in agricultural and urban rivers?. Water Research, 2020, 170, 115369.	11.3	21
15	Diversity Assessment of Toxic Cyanobacterial Blooms during Oxidation. Toxins, 2020, 12, 728.	3.4	22
16	A hydrocarbon pipeline spill risk assessment framework for drinking water supply. AWWA Water Science, 2020, 2, e1181.	2.1	0
17	Near real-time notification of water quality impairments in recreational freshwaters using rapid online detection of β-D-glucuronidase activity as a surrogate for Escherichia coli monitoring. Science of the Total Environment, 2020, 720, 137303.	8.0	14
18	Impact of vacuum UV on natural and algal organic matter from cyanobacterial impacted waters. Environmental Science: Water Research and Technology, 2020, 6, 829-838.	2.4	3

#	Article	IF	Citations
19	Assessing microbial risk through event-based pathogen loading and hydrodynamic modelling. Science of the Total Environment, 2019, 693, 133567.	8.0	15
20	Precipitation effects on parasite, indicator bacteria, and wastewater micropollutant loads from a water resource recovery facility influent and effluent. Journal of Water and Health, 2019, 17, 701-716.	2.6	2
21	Tracking the contribution of multiple raw and treated wastewater discharges at an urban drinking water supply using near real-time monitoring of Î²-d-glucuronidase activity. Water Research, 2019, 164, 114869.	11.3	19
22	Performance of vacuum UV (VUV) for the degradation of MC-LR, geosmin, and MIB from cyanobacteria-impacted waters. Environmental Science: Water Research and Technology, 2019, 5, 2048-2058.	2.4	8
23	Normalized dynamic behavior of combined sewer overflow discharges for source water characterization and management. Journal of Environmental Management, 2019, 249, 109386.	7.8	7
24	Using Advanced Spectroscopy and Organic Matter Characterization to Evaluate the Impact of Oxidation on Cyanobacteria. Toxins, 2019, 11, 278.	3.4	10
25	Microbial risk associated with CSOs upstream of drinking water sources in a transboundary river using hydrodynamic and water quality modeling. Science of the Total Environment, 2019, 683, 547-558.	8.0	13
26	Fecal contamination of storm sewers: Evaluating wastewater micropollutants, human-specific Bacteroides 16S rRNA, and mitochondrial DNA genetic markers as alternative indicators of sewer cross connections. Science of the Total Environment, 2019, 659, 548-560.	8.0	15
27	Autonomous online measurement of Î²-D-glucuronidase activity in surface water: is it suitable for rapid E.Âcoli monitoring?. Water Research, 2019, 152, 241-250.	11.3	35
28	Temporal variability of parasites, bacterial indicators, and wastewater micropollutants in a water resource recovery facility under various weather conditions. Water Research, 2019, 148, 446-458.	11.3	31
29	Seasonal variations of steroid hormones released by wastewater treatment plants to river water and sediments: Distribution between particulate and dissolved phases. Science of the Total Environment, 2018, 635, 144-155.	8.0	56
30	A novel Eulerian approach for modelling cyanobacteria movement: Thin layer formation and recurrent risk to drinking water intakes. Water Research, 2017, 127, 191-203.	11.3	23
31	Modelling the impacts of global change on concentrations of Escherichia coli in an urban river. Advances in Water Resources, 2017, 108, 450-460.	3.8	22
32	Can E. coli or thermotolerant coliform concentrations predict pathogen presence or prevalence in irrigation waters?. Critical Reviews in Microbiology, 2016, 42, 1-10.	6.1	60
33	Cumulative effects of fecal contamination from combined sewer overflows: Management for source water protection. Journal of Environmental Management, 2016, 174, 62-70.	7.8	39
34	Cyanotoxin degradation activity and mlr gene expression profiles of a Sphingopyxis sp. isolated from Lake Champlain, Canada. Environmental Sciences: Processes and Impacts, 2016, 18, 1417-1426.	3.5	32
35	Breakthrough of cyanobacteria in bank filtration. Water Research, 2016, 102, 170-179.	11.3	30
36	The effects of combined sewer overflow events on riverine sources of drinking water. Water Research, 2016, 92, 218-227.	11.3	49

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37	Modelling total suspended solids, E. coli and carbamazepine, a tracer of wastewater contamination from combined sewer overflows. Journal of Hydrology, 2015, 531, 830-839.	5.4	30
38	Fate of toxic cyanobacterial genera from natural bloom events during ozonation. Water Research, 2015, 73, 204-215.	11.3	45
39	Impacts of global change on the concentrations and dilution of combined sewer overflows in a drinking water source. Science of the Total Environment, 2015, 508, 462-476.	8.0	29
40	Biodegradation of multiple microcystins and cylindrospermopsin in clarifier sludge and a drinking water source: Effects of particulate attached bacteria and phycocyanin. Ecotoxicology and Environmental Safety, 2015, 120, 409-417.	6.0	21
41	Adsorption characteristics of multiple microcystins and cylindrospermopsin on sediment: Implications for toxin monitoring and drinking water treatment. Toxicon, 2015, 103, 48-54.	1.6	33
42	Evaluating rain gardens as a method to reduce the impact of sewer overflows in sources of drinking water. Science of the Total Environment, 2014, 499, 238-247.	8.0	71
43	Source tracking of leaky sewers: A novel approach combining fecal indicators in water and sediments. Water Research, 2014, 58, 50-61.	11.3	31
44	Changes in Escherichia coli to Cryptosporidium ratios for various fecal pollution sources and drinking water intakes. Water Research, 2014, 55, 150-161.	11.3	24
45	Application of in vivo measurements for the management of cyanobacteria breakthrough into drinking water treatment plants. Environmental Sciences: Processes and Impacts, 2014, 16, 313.	3.5	20
46	Estimating the risk of cyanobacterial occurrence using an index integrating meteorological factors: Application to drinking water production. Water Research, 2014, 56, 98-108.	11.3	41
47	Temporal variability of combined sewer overflow contaminants: Evaluation of wastewater micropollutants as tracers of fecal contamination. Water Research, 2013, 47, 4370-4382.	11.3	109
48	Species-dependence of cyanobacteria removal efficiency by different drinking water treatment processes. Water Research, 2013, 47, 2689-2700.	11.3	85
49	Low‑risk cyanobacterial bloom sources: Cell accumulation within full‑scale treatment plants. Journal - American Water Works Association, 2013, 105, E651.	0.3	20
50	Cyanobacterial detection using in vivo fluorescence probes: Managing interferences for improved decision‑making. Journal - American Water Works Association, 2012, 104, E466.	0.3	28
51	Toxic cyanobacterial breakthrough and accumulation in a drinking water plant: A monitoring and treatment challenge. Water Research, 2012, 46, 1511-1523.	11.3	188
52	Fecal coliforms, caffeine and carbamazepine in stormwater collection systems in a large urban area. Chemosphere, 2012, 86, 118-123.	8.2	115
53	Fate and Transport Modeling of Potential Pathogens: The Contribution From Sediments[1]. Journal of the American Water Resources Association, 2009, 45, 35-44.	2.4	76
54	Multi-objective modelling and decision support using a Bayesian network approximation to a non-point source pollution model. Environmental Modelling and Software, 2007, 22, 211-222.	4.5	67

#	Article	IF	Citations
55	Integrating parametric uncertainty and modeling results into an advisory system for watershed management. Journal of Environmental Management, 2001, 5, 445-451.	1.7	9