

Claire Duvallet

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

14,778
citations

471509
17
h-index

610901
24
g-index

39
all docs

39
docs citations

39
times ranked

18654
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 RNA concentrations in wastewater foreshadow dynamics and clinical presentation of new COVID-19 cases. <i>Science of the Total Environment</i> , 2022, 805, 150121.	8.0	192
2	Metrics to relate COVID-19 wastewater data to clinical testing dynamics. <i>Water Research</i> , 2022, 212, 118070.	11.3	68
3	Nationwide Trends in COVID-19 Cases and SARS-CoV-2 RNA Wastewater Concentrations in the United States. <i>ACS ES&T Water</i> , 2022, 2, 1899-1909.	4.6	46
4	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1545-1551.	2.4	34
5	Analysis of 39 drugs and metabolites, including 8 glucuronide conjugates, in an upstream wastewater network via HPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1176, 122747.	2.3	6
6	Quantitative SARS-CoV-2 Alpha Variant B.1.1.7 Tracking in Wastewater by Allele-Specific RT-qPCR. <i>Environmental Science and Technology Letters</i> , 2021, 8, 675-682.	8.7	68
7	“Waste Not, Want Not” Leveraging Sewer Systems and Wastewater-Based Epidemiology for Drug Use Trends and Pharmaceutical Monitoring. <i>Journal of Medical Toxicology</i> , 2021, 17, 397-410.	1.5	15
8	Making waves: Defining the lead time of wastewater-based epidemiology for COVID-19. <i>Water Research</i> , 2021, 202, 117433.	11.3	85
9	Wastewater surveillance of SARS-CoV-2 across 40 U.S. states from February to June 2020. <i>Water Research</i> , 2021, 202, 117400.	11.3	119
10	Wastewater network infrastructure in public health: Applications and learnings from the COVID-19 pandemic. <i>PLOS Global Public Health</i> , 2021, 1, e0000061.	1.6	23
11	Rapid Assessment of Opioid Exposure and Treatment in Cities Through Robotic Collection and Chemical Analysis of Wastewater. <i>Journal of Medical Toxicology</i> , 2020, 16, 195-203.	1.5	20
12	Predicting human health from biofluid-based metabolomics using machine learning. <i>Scientific Reports</i> , 2020, 10, 17635.	3.3	16
13	SARS-CoV-2 Titers in Wastewater Are Higher than Expected from Clinically Confirmed Cases. <i>MSystems</i> , 2020, 5, .	3.8	649
14	Data detectives, self-love, and humility: a research parasite's perspective. <i>GigaScience</i> , 2020, 9, .	6.4	5
15	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019, 37, 852-857.	17.5	11,167
16	Framework for rational donor selection in fecal microbiota transplant clinical trials. <i>PLoS ONE</i> , 2019, 14, e0222881.	2.5	36
17	A practical guide to methods controlling false discoveries in computational biology. <i>Genome Biology</i> , 2019, 20, 118.	8.8	222
18	Aerodigestive sampling reveals altered microbial exchange between lung, oropharyngeal, and gastric microbiomes in children with impaired swallow function. <i>PLoS ONE</i> , 2019, 14, e0216453.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Meta-analysis generates and prioritizes hypotheses for translational microbiome research. Microbial Biotechnology, 2018, 11, 273-276.	4.2	17
20	Correcting for batch effects in case-control microbiome studies. PLoS Computational Biology, 2018, 14, e1006102.	3.2	108
21	Predictability and persistence of prebiotic dietary supplementation in a healthy human cohort. Scientific Reports, 2018, 8, 12699.	3.3	37
22	dbOTU3: A new implementation of distribution-based OTU calling. PLoS ONE, 2017, 12, e0176335.	2.5	24
23	Meta-analysis of gut microbiome studies identifies disease-specific and shared responses. Nature Communications, 2017, 8, 1784.	12.8	714