Claire Duvallet

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6268595/publications.pdf

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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	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nature Biotechnology, 2019, 37, 852-857.	17.5	11,167
2	Meta-analysis of gut microbiome studies identifies disease-specific and shared responses. Nature Communications, 2017, 8, 1784.	12.8	714
3	SARS-CoV-2 Titers in Wastewater Are Higher than Expected from Clinically Confirmed Cases. MSystems, 2020, 5, .	3.8	649
4	A practical guide to methods controlling false discoveries in computational biology. Genome Biology, 2019, 20, 118.	8.8	222
5	SARS-CoV-2 RNA concentrations in wastewater foreshadow dynamics and clinical presentation of new COVID-19 cases. Science of the Total Environment, 2022, 805, 150121.	8.0	192
6	Wastewater surveillance of SARS-CoV-2 across 40 U.S. states from February to June 2020. Water Research, 2021, 202, 117400.	11.3	119
7	Correcting for batch effects in case-control microbiome studies. PLoS Computational Biology, 2018, 14, e1006102.	3.2	108
8	Making waves: Defining the lead time of wastewater-based epidemiology for COVID-19. Water Research, 2021, 202, 117433.	11.3	85
9	Quantitative SARS-CoV-2 Alpha Variant B.1.1.7 Tracking in Wastewater by Allele-Specific RT-qPCR. Environmental Science and Technology Letters, 2021, 8, 675-682.	8.7	68
10	Metrics to relate COVID-19 wastewater data to clinical testing dynamics. Water Research, 2022, 212, 118070.	11.3	68
11	Nationwide Trends in COVID-19 Cases and SARS-CoV-2 RNA Wastewater Concentrations in the United States. ACS ES&T Water, 2022, 2, 1899-1909.	4.6	46
12	Predictability and persistence of prebiotic dietary supplementation in a healthy human cohort. Scientific Reports, 2018, 8, 12699.	3.3	37
13	Framework for rational donor selection in fecal microbiota transplant clinical trials. PLoS ONE, 2019, 14, e0222881.	2.5	36
14	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. Environmental Science: Water Research and Technology, 2021, 7, 1545-1551.	2.4	34
15	dbOTU3: A new implementation of distribution-based OTU calling. PLoS ONE, 2017, 12, e0176335.	2.5	24
16	Wastewater network infrastructure in public health: Applications and learnings from the COVID-19 pandemic. PLOS Global Public Health, 2021, 1, e0000061.	1.6	23
17	Rapid Assessment of Opioid Exposure and Treatment in Cities Through Robotic Collection and Chemical Analysis of Wastewater. Journal of Medical Toxicology, 2020, 16, 195-203.	1.5	20
18	Metaâ€analysis generates and prioritizes hypotheses for translational microbiome research. Microbial Biotechnology, 2018, 11, 273-276.	4.2	17

#	Article	IF	Citations
19	Predicting human health from biofluid-based metabolomics using machine learning. Scientific Reports, 2020, 10, 17635.	3.3	16
20	â€œWaste Not, Want Notâ€•â€” Leveraging Sewer Systems and Wastewater-Based Epidemiology for Drug Use Trends and Pharmaceutical Monitoring. Journal of Medical Toxicology, 2021, 17, 397-410.	1.5	15
21	Aerodigestive sampling reveals altered microbial exchange between lung, oropharyngeal, and gastric microbiomes in children with impaired swallow function. PLoS ONE, 2019, 14, e0216453.	2.5	12
22	Analysis of 39 drugs and metabolites, including 8 glucuronide conjugates, in an upstream wastewater network via HPLC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1176, 122747.	2.3	6
23	Data detectives, self-love, and humility: a research parasite's perspective. GigaScience, 2020, 9, .	6.4	5