Raul A Gonzalez

List of Publications by Year
in descending order

18 papers	1,255 citations	759055 12 h-index	839398 18 g-index
21 all docs	21 docs citations	21 times ranked	1648 citing authors

#	Article	IF	Citations
1	COVID-19 surveillance in Southeastern Virginia using wastewater-based epidemiology. Water Research, 2020, 186, 116296.	5.3	373
2	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
3	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. Science of the Total Environment, 2022, 805, 149877.	3.9	153
4	Assessing sensitivity and reproducibility of RT-ddPCR and RT-qPCR for the quantification of SARS-CoV-2 in wastewater. Journal of Virological Methods, 2021, 297, 114230.	1.0	59
5	Mechanistic and statistical models of total Vibrio abundance in the Neuse River Estuary. Water Research, 2013, 47, 5783-5793.	5.3	50
6	Application of empirical predictive modeling using conventional and alternative fecal indicator bacteria in eastern North Carolina waters. Water Research, 2012, 46, 5871-5882.	5.3	37
7	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.	1.2	34
8	Comparisons of statistical models to predict fecal indicator bacteria concentrations enumerated byÂqPCR- and culture-based methods. Water Research, 2014, 48, 296-305.	5.3	33
9	Evaluating the fate of bacterial indicators, viral indicators, and viruses in water resource recovery facilities. Water Environment Research, 2019, 91, 830-842.	1.3	29
10	Decadal monitoring reveals an increase in Vibrio spp. concentrations in the Neuse River Estuary, North Carolina, USA. PLoS ONE, 2019, 14, e0215254.	1.1	26
11	Non-native macroalga may increase concentrations of Vibrio bacteria on intertidal mudflats. Marine Ecology - Progress Series, 2014, 505, 29-36.	0.9	19
12	Pilot Plant Performance Comparing Carbon-Based and Membrane-Based Potable Reuse Schemes. Environmental Engineering Science, 2019, 36, 1369-1378.	0.8	18
13	Quantification and Trends of Rotavirus and Enterovirus in Untreated Sewage Using Reverse Transcription Droplet Digital PCR. Food and Environmental Virology, 2021, 13, 154-169.	1.5	11
14	Integrating Bayesian Analysis and Cumulative Probability Generates High Confidence Using a Single Microbial Source Tracking Marker. Environmental Science & Technology, 2019, 53, 13929-13937.	4.6	8
15	Editorial Perspectives: will SARS-CoV-2 reset public health requirements in the water industry? Integrating lessons of the past and emerging research. Environmental Science: Water Research and Technology, 2020, 6, 1761-1764.	1.2	8
16	Subsewershed SARS-CoV-2 Wastewater Surveillance and COVID-19 Epidemiology Using Building-Specific Occupancy and Case Data. ACS ES&T Water, 2022, 2, 2047-2059.	2.3	8
17	Collection system investigation microbial source tracking (CSI-MST): Applying molecular markers to identify sewer infrastructure failures. Journal of Microbiological Methods, 2020, 178, 106068.	0.7	7
18	Impact of Disaster Research on the Development of Early Career Researchers: Lessons Learned from the Wastewater Monitoring Pandemic Response Efforts. Environmental Science & Technology, 2022, 56, 4724-4727.	4.6	1