Raul A Gonzalez

List of Publications by Year in Descending Order

16 papers	665 citations	10 h-index	21 g-index
21 ext. papers	1,018 ext. citations	7 avg, IF	4.1 L-index

#	Paper	IF	Citations
16	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. *Science of the Total Environment*, **2022**, 805, 149877	10.2	36
15	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**, 9,	4.2	5
14	Quantification and Trends of Rotavirus and Enterovirus in Untreated Sewage Using Reverse Transcription Droplet Digital PCR. *Food and Environmental Virology*, **2021**, 13, 154-169	4	1
13	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	2.6	22
12	Collection system investigation microbial source tracking (CSI-MST): Applying molecular markers to identify sewer infrastructure failures. *Journal of Microbiological Methods*, **2020**, 178, 106068	2.8	2
11	COVID-19 surveillance in Southeastern Virginia using wastewater-based epidemiology. *Water Research*, **2020**, 186, 116296	12.5	204
10	Decadal monitoring reveals an increase in Vibrio spp. concentrations in the Neuse River Estuary, North Carolina, USA. *PLoS ONE*, **2019**, 14, e0215254	3.7	10
9	Evaluating the fate of bacterial indicators, viral indicators, and viruses in water resource recovery facilities. *Water Environment Research*, **2019**, 91, 830-842	2.8	21
8	Integrating Bayesian Analysis and Cumulative Probability Generates High Confidence Using a Single Microbial Source Tracking Marker. *Environmental Science & Technology*, **2019**, 53, 13929-13937	10.3	6
7	Pilot Plant Performance Comparing Carbon-Based and Membrane-Based Potable Reuse Schemes. *Environmental Engineering Science*, **2019**, 36, 1369-1378	2	13
6	Comparisons of statistical models to predict fecal indicator bacteria concentrations enumerated by qPCR- and culture-based methods. *Water Research*, **2014**, 48, 296-305	12.5	31
5	Non-native macroalga may increase concentrations of Vibrio bacteria on intertidal mudflats. *Marine Ecology - Progress Series*, **2014**, 505, 29-36	2.6	9
4	Mechanistic and statistical models of total Vibrio abundance in the Neuse River Estuary. *Water Research*, **2013**, 47, 5783-93	12.5	35
3	Application of empirical predictive modeling using conventional and alternative fecal indicator bacteria in eastern North Carolina waters. *Water Research*, **2012**, 46, 5871-82	12.5	33
2	Wastewater SARS-CoV-2 RNA Concentration and Loading Variability from Grab and 24-Hour Composite Samples		26
1	Redesigning SARS-CoV-2 clinical RT-qPCR assays for wastewater RT-ddPCR		2