

# Raul A Gonzalez

## List of Publications by Citations

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	COVID-19 surveillance in Southeastern Virginia using wastewater-based epidemiology. <i>Water Research</i> , <b>2020</b> , 186, 116296	12.5	204
15	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , <b>2022</b> , 805, 149877	10.2	36
14	Mechanistic and statistical models of total <i>Vibrio</i> abundance in the Neuse River Estuary. <i>Water Research</i> , <b>2013</b> , 47, 5783-93	12.5	35
13	Application of empirical predictive modeling using conventional and alternative fecal indicator bacteria in eastern North Carolina waters. <i>Water Research</i> , <b>2012</b> , 46, 5871-82	12.5	33
12	Comparisons of statistical models to predict fecal indicator bacteria concentrations enumerated by qPCR- and culture-based methods. <i>Water Research</i> , <b>2014</b> , 48, 296-305	12.5	31
11	Wastewater SARS-CoV-2 RNA Concentration and Loading Variability from Grab and 24-Hour Composite Samples		26
10	Assessing sensitivity and reproducibility of RT-ddPCR and RT-qPCR for the quantification of SARS-CoV-2 in wastewater. <i>Journal of Virological Methods</i> , <b>2021</b> , 297, 114230	2.6	22
9	Evaluating the fate of bacterial indicators, viral indicators, and viruses in water resource recovery facilities. <i>Water Environment Research</i> , <b>2019</b> , 91, 830-842	2.8	21
8	Pilot Plant Performance Comparing Carbon-Based and Membrane-Based Potable Reuse Schemes. <i>Environmental Engineering Science</i> , <b>2019</b> , 36, 1369-1378	2	13
7	Decadal monitoring reveals an increase in <i>Vibrio</i> spp. concentrations in the Neuse River Estuary, North Carolina, USA. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215254	3.7	10
6	Non-native macroalga may increase concentrations of <i>Vibrio</i> bacteria on intertidal mudflats. <i>Marine Ecology - Progress Series</i> , <b>2014</b> , 505, 29-36	2.6	9
5	Integrating Bayesian Analysis and Cumulative Probability Generates High Confidence Using a Single Microbial Source Tracking Marker. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 13929-13937	10.3	6
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> , <b>2021</b> , 9,	4.2	5
3	Collection system investigation microbial source tracking (CSI-MST): Applying molecular markers to identify sewer infrastructure failures. <i>Journal of Microbiological Methods</i> , <b>2020</b> , 178, 106068	2.8	2
2	Redesigning SARS-CoV-2 clinical RT-qPCR assays for wastewater RT-ddPCR		2
1	Quantification and Trends of Rotavirus and Enterovirus in Untreated Sewage Using Reverse Transcription Droplet Digital PCR. <i>Food and Environmental Virology</i> , <b>2021</b> , 13, 154-169	4	1