Charles Humphrey

List of Publications by Year
in descending order

33	354	840585 11	839398 18
papers	citations	h-index	g-index

33	33	33	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying Total Phosphorus and Heavy Metals in Residential Septage. Applied Sciences (Switzerland), 2022, 12, 3336.	1.3	1
2	Special Issue on Applied Research on Water Treatment by Onsite Wastewater Management and Agricultural and Stormwater Control Measures at Varying Spatial Scales. Applied Sciences (Switzerland), 2022, 12, 3670.	1.3	0
3	Nitrogen Treatment by a Dry Detention Basin with Stormwater Wetland Characteristics. Hydrology, 2022, 9, 85.	1.3	2
4	Phosphate Treatment by Five Onsite Wastewater Systems in a Nutrient Sensitive Watershed. Earth, 2022, 3, 683-698.	0.9	4
5	Comparison of Nitrogen Treatment by Four Onsite Wastewater Systems in Nutrient-Sensitive Watersheds of the North Carolina Coastal Plain. Nitrogen, 2021, 2, 268-286.	0.6	3
6	High-frequency assessment of air and water quality at a concentration animal feeding operation during wastewater application to spray fields. Environmental Pollution, 2021, 288, 117801.	3.7	3
7	Is on-site wastewater a significant source of phosphorus to coastal plain streams?. International Journal of Environmental Science and Technology, 2020, 17, 1199-1210.	1.8	1
8	Fecal Indicator Bacteria Transport from Watersheds with Differing Wastewater Technologies and Septic System Densities. Applied Sciences (Switzerland), 2020, 10, 6525.	1.3	5
9	Reduction in Nitrogen Exports from Stormflow after Conversion of a Dry Detention Basin to a Stormwater Wetland. Applied Sciences (Switzerland), 2020, 10, 9024.	1.3	3
10	Coastal Tourism and Its Influence on Wastewater Nitrogen Loading: A Barrier Island Case Study. Environmental Management, 2019, 64, 436-455.	1.2	2
11	Groundwater Seeps: Portholes to Evaluate Groundwaterâ€™s Influence on Stream Water Quality. Journal of Contemporary Water Research and Education, 2019, 166, 57-78.	0.7	2
12	Geochemistry of Flood Waters from the Tar River, North Carolina Associated with Hurricane Matthew. Resources, 2019, 8, 48.	1.6	6
13	Nitrogen Treatment in Soil Beneath High-Flow and Low-Flow Onsite Wastewater Systems. Journal of Sustainable Water in the Built Environment, 2019, 5, 04019006.	0.9	2
14	Nutrient exports from watersheds with varying septic system densities in the North Carolina Piedmont. Journal of Environmental Management, 2018, 211, 206-217.	3.8	24
15	Concentrations and Exports of Fecal Indicator Bacteria in Watersheds with Varying Densities of Onsite Wastewater Systems. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	10
16	Nitrogen Treatment Efficiency of a Large Onsite Wastewater System in Relation to Water Table Dynamics. Clean - Soil, Air, Water, 2017, 45, 1700551.	0.7	10
17	Influence of Sewered Versus Septic Systems on Watershed Exports of E. coli. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	11
18	Environmental Health Threats Associated with Drainage from a Coastal Urban Watershed. Environment and Natural Resources Research, 2017, 8, 52.	0.1	1

#	Article	IF	Citations
19	Field Evaluation of Nitrogen Treatment by Conventional and Single-Pass Sand Filter Onsite Wastewater Systems in the North Carolina Piedmont. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	10
20	Phosphate treatment by onsite wastewater systems in nutrient-sensitive watersheds of North Carolina's Piedmont. Water Science and Technology, 2016, 74, 1527-1538.	1.2	4
21	Groundwater and stream E. coli concentrations in coastal plain watersheds served by onsite wastewater and a municipal sewer treatment system. Water Science and Technology, 2015, 72, 1851-1860.	1.2	11
22	Wastewater Nitrogen Contributions to Coastal Plain Watersheds, NC, USA. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	11
23	Preliminary Evaluation of a Permeable Reactive Barrier for Reducing Groundwater Nitrate Transport from a Large Onsite Wastewater System. American Journal of Environmental Sciences, 2015, 11, 216-226.	0.3	3
24	Comparison of Phosphorus Concentrations in Coastal Plain Watersheds Served by Onsite Wastewater Treatment Systems and a Municipal Sewer Treatment System. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	14
25	Fate and transport of enteric microbes from septic systems in a coastal watershed. Journal of Environmental Health, 2015, 77, 22-30.	0.5	26
26	Spatial Distribution of Fecal Indicator Bacteria in Groundwater beneath Two Large On-Site Wastewater Treatment Systems. Water (Switzerland), 2014, 6, 602-619.	1.2	11
27	Nutrient and Escherichia coli Attentuation in a Constructed Stormwater Wetland in the North Carolina Coastal Plain. Environment and Natural Resources Research, 2014, 4, .	0.1	4
28	Meteorological Influences on Nitrogen Dynamics of a Coastal Onsite Wastewater Treatment System. Journal of Environmental Quality, 2014, 43, 1873-1885.	1.0	27
29	Nitrogen and carbon dynamics beneath on-site wastewater treatment systems in Pitt County, North Carolina. Water Science and Technology, 2014, 69, 663-671.	1.2	16
30	Detection of pharmaceuticals and other personal care products in groundwater beneath and adjacent to onsite wastewater treatment systems in a coastal plain shallow aquifer. Science of the Total Environment, 2014, 487, 216-223.	3.9	72
31	Onsite wastewater system nitrogen contributions to groundwater in coastal North Carolina. Journal of Environmental Health, 2013, 76, 16-22.	0.5	15
32	Evaluation of on-site wastewater system Escherichia coli contributions to shallow groundwater in coastal North Carolina. Water Science and Technology, 2011, 63, 789-795.	1.2	18
33	Controls on groundwater nitrogen contributions from on-site wastewater systems in coastal North Carolina. Water Science and Technology, 2010, 62, 1448-1455.	1.2	22