

Charles Humphrey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8456721/publications.pdf>

Version: 2024-02-01

33
papers

354
citations

840585

11
h-index

839398

18
g-index

33
all docs

33
docs citations

33
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of pharmaceuticals and other personal care products in groundwater beneath and adjacent to onsite wastewater treatment systems in a coastal plain shallow aquifer. <i>Science of the Total Environment</i> , 2014, 487, 216-223.	3.9	72
2	Meteorological Influences on Nitrogen Dynamics of a Coastal Onsite Wastewater Treatment System. <i>Journal of Environmental Quality</i> , 2014, 43, 1873-1885.	1.0	27
3	Fate and transport of enteric microbes from septic systems in a coastal watershed. <i>Journal of Environmental Health</i> , 2015, 77, 22-30.	0.5	26
4	Nutrient exports from watersheds with varying septic system densities in the North Carolina Piedmont. <i>Journal of Environmental Management</i> , 2018, 211, 206-217.	3.8	24
5	Controls on groundwater nitrogen contributions from on-site wastewater systems in coastal North Carolina. <i>Water Science and Technology</i> , 2010, 62, 1448-1455.	1.2	22
6	Evaluation of on-site wastewater system <i>Escherichia coli</i> contributions to shallow groundwater in coastal North Carolina. <i>Water Science and Technology</i> , 2011, 63, 789-795.	1.2	18
7	Nitrogen and carbon dynamics beneath on-site wastewater treatment systems in Pitt County, North Carolina. <i>Water Science and Technology</i> , 2014, 69, 663-671.	1.2	16
8	Onsite wastewater system nitrogen contributions to groundwater in coastal North Carolina. <i>Journal of Environmental Health</i> , 2013, 76, 16-22.	0.5	15
9	Comparison of Phosphorus Concentrations in Coastal Plain Watersheds Served by Onsite Wastewater Treatment Systems and a Municipal Sewer Treatment System. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	14
10	Spatial Distribution of Fecal Indicator Bacteria in Groundwater beneath Two Large On-Site Wastewater Treatment Systems. <i>Water (Switzerland)</i> , 2014, 6, 602-619.	1.2	11
11	Groundwater and stream <i>E. coli</i> concentrations in coastal plain watersheds served by onsite wastewater and a municipal sewer treatment system. <i>Water Science and Technology</i> , 2015, 72, 1851-1860.	1.2	11
12	Wastewater Nitrogen Contributions to Coastal Plain Watersheds, NC, USA. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	11
13	Influence of Sewered Versus Septic Systems on Watershed Exports of <i>E. coli</i> . <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	11
14	Field Evaluation of Nitrogen Treatment by Conventional and Single-Pass Sand Filter Onsite Wastewater Systems in the North Carolina Piedmont. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	10
15	Nitrogen Treatment Efficiency of a Large Onsite Wastewater System in Relation to Water Table Dynamics. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1700551.	0.7	10
16	Concentrations and Exports of Fecal Indicator Bacteria in Watersheds with Varying Densities of Onsite Wastewater Systems. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	10
17	Geochemistry of Flood Waters from the Tar River, North Carolina Associated with Hurricane Matthew. <i>Resources</i> , 2019, 8, 48.	1.6	6
18	Fecal Indicator Bacteria Transport from Watersheds with Differing Wastewater Technologies and Septic System Densities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6525.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Nutrient and Escherichia coli Attenuation in a Constructed Stormwater Wetland in the North Carolina Coastal Plain. Environment and Natural Resources Research, 2014, 4, .	0.1	4
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	Phosphate Treatment by Five Onsite Wastewater Systems in a Nutrient Sensitive Watershed. Earth, 2022, 3, 683-698.	0.9	4
22	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
23	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
24	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
25	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
26	Coastal Tourism and Its Influence on Wastewater Nitrogen Loading: A Barrier Island Case Study. Environmental Management, 2019, 64, 436-455.	1.2	2
27	Groundwater Seeps: Portholes to Evaluate Groundwater's Influence on Stream Water Quality. Journal of Contemporary Water Research and Education, 2019, 166, 57-78.	0.7	2
28	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
29	Nitrogen Treatment by a Dry Detention Basin with Stormwater Wetland Characteristics. Hydrology, 2022, 9, 85.	1.3	2
30	Environmental Health Threats Associated with Drainage from a Coastal Urban Watershed. Environment and Natural Resources Research, 2017, 8, 52.	0.1	1
31	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
32	Quantifying Total Phosphorus and Heavy Metals in Residential Septage. Applied Sciences (Switzerland), 2022, 12, 3336.	1.3	1
33	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