

Patrick J Mcnamara

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,609
citations

279798

23
h-index

302126

39
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47
all docs

47
docs citations

47
times ranked

2128
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Use of Quaternary Ammonium Compounds during the SARS-CoV-2 Pandemic and Beyond: Consideration of Environmental Implications. <i>Environmental Science and Technology Letters</i> , 2020, 7, 622-631.	8.7	236
2	Adsorption of organic micropollutants onto biochar: a review of relevant kinetics, mechanisms and equilibrium. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 821-838.	2.4	164
3	The impact of triclosan on the spread of antibiotic resistance in the environment. <i>Frontiers in Microbiology</i> , 2014, 5, 780.	3.5	150
4	Meta-analysis of non-reactive phosphorus in water, wastewater, and sludge, and strategies to convert it for enhanced phosphorus removal and recovery. <i>Science of the Total Environment</i> , 2018, 644, 661-674.	8.0	89
5	Triclocarban Influences Antibiotic Resistance and Alters Anaerobic Digester Microbial Community Structure. <i>Environmental Science & Technology</i> , 2016, 50, 126-134.	10.0	83
6	Characteristics and applications of biochars derived from wastewater solids. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 650-664.	16.4	73
7	Triclosan adsorption using wastewater biosolids-derived biochar. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 761-768.	2.4	71
8	Triclosan: an Instructive Tale. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7015-7016.	3.2	63
9	Recovery of agricultural nutrients from biorefineries. <i>Bioresource Technology</i> , 2016, 215, 186-198.	9.6	57
10	Mechanisms of virus mitigation and suitability of bacteriophages as surrogates in drinking water treatment by iron electrocoagulation. <i>Water Research</i> , 2019, 163, 114877.	11.3	46
11	Pyrolysis of Dried Wastewater Biosolids Can Be Energy Positive. <i>Water Environment Research</i> , 2016, 88, 804-810.	2.7	43
12	Chronic exposure to triclosan sustains microbial community shifts and alters antibiotic resistance gene levels in anaerobic digesters. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1060-1067.	3.5	41
13	Autocatalytic Pyrolysis of Wastewater Biosolids for Product Upgrading. <i>Environmental Science & Technology</i> , 2017, 51, 9808-9816.	10.0	37
14	Analysis of operational parameters, reactor kinetics, and floc characterization for the removal of estrogens via electrocoagulation. <i>Chemosphere</i> , 2019, 220, 1141-1149.	8.2	36
15	Evening methane emission pulses from a boreal wetland correspond to convective mixing in hollows. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 994-1005.	3.0	35
16	Removal of antibiotic resistance genes in an anaerobic membrane bioreactor treating primary clarifier effluent at 20 Å°C. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1783-1793.	2.4	35
17	Benzalkonium chloride alters phenotypic and genotypic antibiotic resistance profiles in a source water used for drinking water treatment. <i>Environmental Pollution</i> , 2020, 257, 113472.	7.5	35
18	Triclosan enriches for Dehalococcoides-like Chloroflexii in anaerobic soil at environmentally relevant concentrations. <i>FEMS Microbiology Letters</i> , 2013, 344, 48-52.	1.8	30

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19	The impact of metal pipe materials, corrosion products, and corrosion inhibitors on antibiotic resistance in drinking water distribution systems. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7673-7688.	3.6	30
20	Metagenomics reveal triclosan-induced changes in the antibiotic resistome of anaerobic digesters. <i>Environmental Pollution</i> , 2018, 241, 1182-1190.	7.5	28
21	Effect of pyrolysis on the removal of antibiotic resistance genes and class I integrons from municipal wastewater biosolids. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1807-1818.	2.4	27
22	Adsorption of organic micropollutants to biosolids-derived biochar: estimation of thermodynamic parameters. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1132-1144.	2.4	27
23	Altered antibiotic tolerance in anaerobic digesters acclimated to triclosan or triclocarban. <i>Chemosphere</i> , 2016, 163, 22-26.	8.2	24
24	Syntroph diversity and abundance in anaerobic digestion revealed through a comparative core microbiome approach. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6353-6367.	3.6	17
25	Fate and impacts of triclosan, sulfamethoxazole, and 17 β -estradiol during nutrient recovery via ion exchange and struvite precipitation. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 1109-1119.	2.4	12
26	Ion Exchange for Nutrient Recovery Coupled with Biosolids-Derived Biochar Pretreatment to Remove Micropollutants. <i>Environmental Engineering Science</i> , 2018, 35, 1340-1348.	1.6	11
27	Effects of zinc orthophosphate on the antibiotic resistant bacterial community of a source water used for drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1523-1534.	2.4	10
28	From micro to macro-contaminants: The impact of low-energy titanium dioxide photocatalysis followed by filtration on the mitigation of drinking water organics. <i>Chemosphere</i> , 2019, 217, 111-121.	8.2	10
29	Cast iron drinking water pipe biofilms support diverse microbial communities containing antibiotic resistance genes, metal resistance genes, and class 1 integrons. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 584-598.	2.4	10
30	Sub-Pilot-Scale Autocatalytic Pyrolysis of Wastewater Biosolids for Enhanced Energy Recovery. <i>Catalysts</i> , 2018, 8, 524.	3.5	9
31	Electro-oxidation to convert dissolved organic nitrogen and soluble non-reactive phosphorus to more readily removable and recoverable forms. <i>Chemosphere</i> , 2021, 279, 130876.	8.2	9
32	Kinetic Analysis of Dried Biosolid Pyrolysis. <i>Energy & Fuels</i> , 2019, 33, 8766-8776.	5.1	8
33	Removal of estrogenic compounds via iron electrocoagulation: impact of water quality and assessment of removal mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 956-966.	2.4	8
34	Conversion of soluble recalcitrant phosphorus to recoverable orthophosphate form using UV/H ₂ O ₂ . <i>Chemosphere</i> , 2021, 278, 130391.	8.2	8
35	Electrochemical technologies for per- and polyfluoroalkyl substances mitigation in drinking water and water treatment residuals. <i>AWWA Water Science</i> , 2021, 3, e1249.	2.1	7
36	Communication of Recommendations for the Disposal of Unused Prescription Opioid Medications by Stakeholders in the News Media. <i>Pain Medicine</i> , 2019, 20, 1711-1716.	1.9	6

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37	An Extraction Method to Quantify the Fraction of Extracellular and Intracellular Antibiotic Resistance Genes in Aquatic Environments. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	1.4	6
38	Antibiotic resistance genes in an urban stream before and after a state fair. <i>Journal of Water and Health</i> , 2021, 19, 885-894.	2.6	5
39	Iron-electrocoagulation as a disinfection byproduct control strategy for drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1116-1124.	2.4	4
40	Lab-scale data and microbial community structure suggest shortcut nitrogen removal as the predominant nitrogen removal mechanism in post-aerobic digestion (PAD). <i>Water Environment Research</i> , 2022, 94, .	2.7	3
41	Comment on "Pyrolysis of dried wastewater biosolids can be energy positive". <i>Water Environment Research</i> , 2019, 91, 813-815.	2.7	2
42	Seasonal and spatial patterns differ between intracellular and extracellular antibiotic resistance genes in urban stormwater runoff. <i>Environmental Science Advances</i> , 2022, 1, 380-390.	2.7	2
43	Effect of antimicrobial washout from anaerobic digesters on microbial community composition. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1658-1671.	2.4	1
44	Post aerobic digestion (PAD) is a solids sidestream nutrient removal process that utilizes native carbon: performance and key operational parameters from two full-scale PAD reactors. <i>Environmental Science Advances</i> , 2022, 1, 216-228.	2.7	1
45	Introductory Editorial: Water Microbiology. <i>Microbiology Insights</i> , 2015, 8s2, MBI.S39866.	2.0	0
46	mSphere of Influence: Engineering Microbes. <i>MSphere</i> , 2019, 4, .	2.9	0
47	Biosolids as a Resource: Using Biochar Derived from Pyrolyzed Biosolids to Remove Trace Organic Compounds. <i>Proceedings of the Water Environment Federation</i> , 2016, 2016, 394-397.	0.0	0