Patrick J Mcnamara

List of Publications by Year
in descending order

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47 papers	1,609 citations	279798 23 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	2128 citing authors

#	Article	IF	Citations
1	An Extraction Method to Quantify the Fraction of Extracellular and Intracellular Antibiotic Resistance Genes in Aquatic Environments. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	6
2	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. Environmental Science Advances, 2022, 1, 216-228.	2.7	1
3	Seasonal and spatial patterns differ between intracellular and extracellular antibiotic resistance genes in urban stormwater runoff. Environmental Science Advances, 2022, 1, 380-390.	2.7	2
4	Labâ€scale data and microbial community structure suggest shortcut nitrogen removal as the predominant nitrogen removal mechanism in postâ€aerobic digestion (PAD). Water Environment Research, 2022, 94, .	2.7	3
5	Cast iron drinking water pipe biofilms support diverse microbial communities containing antibiotic resistance genes, metal resistance genes, and class 1 integrons. Environmental Science: Water Research and Technology, 2021, 7, 584-598.	2.4	10
6	Electro-oxidation to convert dissolved organic nitrogen and soluble non-reactive phosphorus to more readily removable and recoverable forms. Chemosphere, 2021, 279, 130876.	8.2	9
7	Antibiotic resistance genes in an urban stream before and after a state fair. Journal of Water and Health, 2021, 19, 885-894.	2.6	5
8	Conversion of soluble recalcitrant phosphorus to recoverable orthophosphate form using UV/H2O2. Chemosphere, 2021, 278, 130391.	8.2	8
9	Electrochemical technologies for perâ€•and polyfluoroalkyl substances mitigation in drinking water and water treatment residuals. AWWA Water Science, 2021, 3, e1249.	2.1	7
10	Benzalkonium chloride alters phenotypic and genotypic antibiotic resistance profiles in a source water used for drinking water treatment. Environmental Pollution, 2020, 257, 113472.	7.5	35
11	The impact of metal pipe materials, corrosion products, and corrosion inhibitors on antibiotic resistance in drinking water distribution systems. Applied Microbiology and Biotechnology, 2020, 104, 7673-7688.	3.6	30
12	Increased Use of Quaternary Ammonium Compounds during the SARS-CoV-2 Pandemic and Beyond: Consideration of Environmental Implications. Environmental Science and Technology Letters, 2020, 7, 622-631.	8.7	236
13	Iron-electrocoagulation as a disinfection byproduct control strategy for drinking water treatment. Environmental Science: Water Research and Technology, 2020, 6, 1116-1124.	2.4	4
14	Effect of antimicrobial washout from anaerobic digesters on microbial community composition. Environmental Science: Water Research and Technology, 2020, 6, 1658-1671.	2.4	1
15	Effects of zinc orthophosphate on the antibiotic resistant bacterial community of a source water used for drinking water treatment. Environmental Science: Water Research and Technology, 2019, 5, 1523-1534.	2.4	10
16	Mechanisms of virus mitigation and suitability of bacteriophages as surrogates in drinking water treatment by iron electrocoagulation. Water Research, 2019, 163, 114877.	11.3	46
17	mSphere of Influence: Engineering Microbes. MSphere, 2019, 4, .	2.9	0
18	Communication of Recommendations for the Disposal of Unused Prescription Opioid Medications by Stakeholders in the News Media. Pain Medicine, 2019, 20, 1711-1716.	1.9	6

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19	Kinetic Analysis of Dried Biosolid Pyrolysis. Energy & Fuels, 2019, 33, 8766-8776.	5.1	8
20	Syntroph diversity and abundance in anaerobic digestion revealed through a comparative core microbiome approach. Applied Microbiology and Biotechnology, 2019, 103, 6353-6367.	3.6	17
21	Comment on â€œPyrolysis of dried wastewater biosolids can be energy positiveâ€• Water Environment Research, 2019, 91, 813-815.	2.7	2
22	Adsorption of organic micropollutants to biosolids-derived biochar: estimation of thermodynamic parameters. Environmental Science: Water Research and Technology, 2019, 5, 1132-1144.	2.4	27
23	Adsorption of organic micropollutants onto biochar: a review of relevant kinetics, mechanisms and equilibrium. Environmental Science: Water Research and Technology, 2019, 5, 821-838.	2.4	164
24	Removal of estrogenic compounds via iron electrocoagulation: impact of water quality and assessment of removal mechanisms. Environmental Science: Water Research and Technology, 2019, 5, 956-966.	2.4	8
25	Analysis of operational parameters, reactor kinetics, and floc characterization for the removal of estrogens via electrocoagulation. Chemosphere, 2019, 220, 1141-1149.	8.2	36
26	From micro to macro-contaminants: The impact of low-energy titanium dioxide photocatalysis followed by filtration on the mitigation of drinking water organics. Chemosphere, 2019, 217, 111-121.	8.2	10
27	Effect of pyrolysis on the removal of antibiotic resistance genes and class I integrons from municipal wastewater biosolids. Environmental Science: Water Research and Technology, 2018, 4, 1807-1818.	2.4	27
28	Characteristics and applications of biochars derived from wastewater solids. Renewable and Sustainable Energy Reviews, 2018, 90, 650-664.	16.4	73
29	Sub-Pilot-Scale Autocatalytic Pyrolysis of Wastewater Biosolids for Enhanced Energy Recovery. Catalysts, 2018, 8, 524.	3.5	9
30	Ion Exchange for Nutrient Recovery Coupled with Biosolids-Derived Biochar Pretreatment to Remove Micropollutants. Environmental Engineering Science, 2018, 35, 1340-1348.	1.6	11
31	Metagenomics reveal triclosan-induced changes in the antibiotic resistome of anaerobic digesters. Environmental Pollution, 2018, 241, 1182-1190.	7.5	28
32	Meta-analysis of non-reactive phosphorus in water, wastewater, and sludge, and strategies to convert it for enhanced phosphorus removal and recovery. Science of the Total Environment, 2018, 644, 661-674.	8.0	89
33	Removal of antibiotic resistance genes in an anaerobic membrane bioreactor treating primary clarifier effluent at 20 Â°C. Environmental Science: Water Research and Technology, 2018, 4, 1783-1793.	2.4	35
34	Fate and impacts of triclosan, sulfamethoxazole, and 17Î²-estradiol during nutrient recovery via ion exchange and struvite precipitation. Environmental Science: Water Research and Technology, 2017, 3, 1109-1119.	2.4	12
35	Autocatalytic Pyrolysis of Wastewater Biosolids for Product Upgrading. Environmental Science & Technology, 2017, 51, 9808-9816.	10.0	37
36	Pyrolysis of Dried Wastewater Biosolids Can Be Energy Positive. Water Environment Research, 2016, 88, 804-810.	2.7	43

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37	Recovery of agricultural nutrients from biorefineries. Bioresource Technology, 2016, 215, 186-198.	9.6	57
38	Altered antibiotic tolerance in anaerobic digesters acclimated to triclosan or triclocarban. Chemosphere, 2016, 163, 22-26.	8.2	24
39	Triclosan: an Instructive Tale. Antimicrobial Agents and Chemotherapy, 2016, 60, 7015-7016.	3.2	63
40	Triclosan adsorption using wastewater biosolids-derived biochar. Environmental Science: Water Research and Technology, 2016, 2, 761-768.	2.4	71
41	Chronic exposure to triclosan sustains microbial community shifts and alters antibiotic resistance gene levels in anaerobic digesters. Environmental Sciences: Processes and Impacts, 2016, 18, 1060-1067.	3.5	41
42	Triclocarban Influences Antibiotic Resistance and Alters Anaerobic Digester Microbial Community Structure. Environmental Science & Technology, 2016, 50, 126-134.	10.0	83
43	Biosolids as a Resource: Using Biochar Derived from Pyrolyzed Biosolids to Remove Trace Organic Compounds. Proceedings of the Water Environment Federation, 2016, 2016, 394-397.	0.0	0
44	Introductory Editorial: Water Microbiology. Microbiology Insights, 2015, 8s2, MBI.S39866.	2.0	0
45	The impact of triclosan on the spread of antibiotic resistance in the environment. Frontiers in Microbiology, 2014, 5, 780.	3.5	150
46	Evening methane emission pulses from a boreal wetland correspond to convective mixing in hollows. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 994-1005.	3.0	35
47	Triclosan enriches forDehalococcoides-likeChloroflexiin anaerobic soil at environmentally relevant concentrations. FEMS Microbiology Letters, 2013, 344, 48-52.	1.8	30