

Wayne J Parker

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

561
citations

686830

13
h-index

642321

23
g-index

35
all docs

35
docs citations

35
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	High functional diversity among <i>Nitrospira</i> populations that dominate rotating biological contactor microbial communities in a municipal wastewater treatment plant. <i>ISME Journal</i> , 2020, 14, 1857-1872.	4.4	91
2	Impact of FeCl ₃ dosing on AnMBR treatment of municipal wastewater. <i>Water Research</i> , 2015, 80, 281-293.	5.3	70
3	Long term performance of membranes in an anaerobic membrane bioreactor treating municipal wastewater. <i>Chemosphere</i> , 2016, 144, 249-256.	4.2	41
4	Organic phosphorus removal using an integrated advanced oxidation-ultrafiltration process. <i>Water Research</i> , 2020, 182, 115968.	5.3	35
5	The effect of solids residence time on phosphorus adsorption to hydrous ferric oxide floc. <i>Water Research</i> , 2015, 84, 323-332.	5.3	33
6	Removal and formation of perfluoroalkyl substances in Canadian sludge treatment systems – A mass balance approach. <i>Science of the Total Environment</i> , 2021, 754, 142431.	3.9	32
7	Modeling the exposure of wild fish to endocrine active chemicals: Potential linkages of total estrogenicity to field-observed intersex. <i>Water Research</i> , 2018, 139, 187-197.	5.3	30
8	Multi-year prediction of estrogenicity in municipal wastewater effluents. <i>Science of the Total Environment</i> , 2018, 610-611, 1103-1112.	3.9	24
9	Nitrogen removal pathways during simultaneous nitrification, denitrification, and phosphorus removal under low temperature and dissolved oxygen conditions. <i>Bioresource Technology</i> , 2022, 354, 127177.	4.8	23
10	Influence of SRT and HRT on Bioprocess Performance in Anaerobic Membrane Bioreactors Treating Municipal Wastewater. <i>Water Environment Research</i> , 2016, 88, 158-167.	1.3	22
11	Transcriptomics investigation of thyroid hormone disruption in the olfactory system of the <i>Rana [Lithobates] catesbeiana</i> tadpole. <i>Aquatic Toxicology</i> , 2018, 202, 46-56.	1.9	17
12	Characterization and modelling of soluble microbial products in activated sludge systems treating municipal wastewater with special emphasis on temperature effect. <i>Science of the Total Environment</i> , 2021, 779, 146471.	3.9	16
13	Changes in hormone and stress-inducing activities of municipal wastewater in a conventional activated sludge wastewater treatment plant. <i>Water Research</i> , 2014, 66, 265-272.	5.3	14
14	Behavioral and molecular analyses of olfaction-mediated avoidance responses of <i>Rana (Lithobates) catesbeiana</i> tadpoles: Sensitivity to thyroid hormones, estrogen, and treated municipal wastewater effluent. <i>Hormones and Behavior</i> , 2018, 101, 85-93.	1.0	13
15	Effect of pretreatment using ultrasound and hydrogen peroxide on digestion of waste activated sludge in an anaerobic membrane bioreactor. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1724-1730.	1.3	12
16	Impact of AnMBR operating conditions on anaerobic digestion of waste activated sludge. <i>Water Environment Research</i> , 2021, 93, 703-713.	1.3	11
17	Codigestion of high pressure thermal hydrolysis-treated thickened waste activated sludge with primary sludge in two-stage anaerobic digestion. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 425-433.	1.3	10
18	Comparison of the impacts of thermal pretreatment on waste activated sludge using aerobic and anaerobic digestion. <i>Water Science and Technology</i> , 2018, 78, 1772-1781.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Modeling the biotransformation of trimethoprim in biological nutrient removal system. <i>Water Science and Technology</i> , 2018, 2017, 144-155.	1.2	6
20	Characterization of performance of full-scale tertiary membranes under stressed operating conditions. <i>Water Science and Technology</i> , 2020, 81, 571-584.	1.2	6
21	Discharge of pharmaceuticals into municipal sewers from hospitals and long-term care facilities. <i>Water Quality Research Journal of Canada</i> , 2012, 47, 140-152.	1.2	5
22	Estimation of influent concentrations of estrogens and select prescription drugs in wastewater treatment plants. , 2012, , .		5
23	Combined MBBR&MF for industrial wastewater treatment. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 288-295.	1.3	5
24	Assessment of Waste-Activated-Sludge Pretreatment by Ultrasound and Applicability of Biodegradability Indicators. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 545-553.	0.7	5
25	Effect of solids residence time on dynamic responses in chemical P removal. <i>Water Environment Research</i> , 2019, 91, 250-258.	1.3	5
26	Developing understanding of the fate and behaviour of silver in fresh waters and waste waters. <i>Science of the Total Environment</i> , 2021, 757, 143648.	3.9	5
27	Improved biodegradation of pharmaceuticals after mild photocatalytic pretreatment. <i>Water and Environment Journal</i> , 2020, 34, 704-714.	1.0	4
28	Assessment of the use of mainstream iron addition for phosphorous control on H ₂ S content of biogas from anaerobic digestion of sludges. <i>Water Environment Research</i> , 2020, 92, 338-346.	1.3	3
29	Treatment of municipal wastewater in AnMBRs with powdered activated carbon addition under psychrophilic temperatures. <i>Water Environment Research</i> , 2021, 93, 33-41.	1.3	3
30	An Assessment of the Feasibility of Employing BAP Tests for Characterizing Anaerobic Biodegradability of Raw and Pretreated WAS. <i>Water Environment Research</i> , 2011, 84, 362.	1.3	2
31	Preliminary evaluation of biosolids characteristics for anaerobic membrane reactors treating municipal wastewaters. <i>Water Science and Technology</i> , 2015, 72, 1446-1454.	1.2	2
32	Dynamic characterization of a FeCl ₃ -dosed anaerobic membrane bioreactor (AnMBR) treating municipal wastewater. <i>Water Science and Technology</i> , 2018, 2017, 481-491.	1.2	2
33	Sludge pretreatment before aerobic digestion to enhance pathogen destruction. <i>Journal of Environmental Engineering and Science</i> , 2013, 8, 213-222.	0.3	0
34	Impact of anaerobically digested biosolids characteristics and handling conditions on dewatering performance at multiple facilities. <i>Water Environment Research</i> , 2020, 92, 347-358.	1.3	0
35	Estimation of Biodegradation and Liquid-Solid Partitioning Coefficients for Selected PAHs in Municipal Wastewater Treatment. <i>Water Quality Research Journal of Canada</i> , 2009, 44, 166-173.	1.2	0