

James A Mcdonald

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/397135/james-a-mcdonald-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

3,210
citations

32
h-index

55
g-index

79
ext. papers

3,561
ext. citations

7.7
avg, IF

5.27
L-index

#	Paper	IF	Citations
77	Multivariate experimental design provides insights for the optimisation of rechloramination conditions and water age to control disinfectant decay and disinfection by-product formation in treated drinking water.. <i>Science of the Total Environment</i> , 2022 , 154324	10.2	2
76	Aerobic biotransformation of 6:2 fluorotelomer sulfonate by <i>Dietzia aurantiaca</i> J3 under sulfur-limiting conditions.. <i>Science of the Total Environment</i> , 2022 , 829, 154587	10.2	0
75	Occurrence and risk assessment of trace organic contaminants and metals in anaerobically co-digested sludge. <i>Science of the Total Environment</i> , 2021 , 816, 151533	10.2	0
74	Chiral inversion of 2-arylpropionic acid (2-APA) enantiomers during simulated biological wastewater treatment. <i>Water Research</i> , 2021 , 209, 117871	12.5	0
73	A multivariate Bayesian network analysis of water quality factors influencing trihalomethanes formation in drinking water distribution systems. <i>Water Research</i> , 2021 , 190, 116712	12.5	4
72	Enhanced nanofiltration rejection of inorganic and organic compounds from a wastewater-reclamation plant micro-filtered water using adsorption pre-treatment. <i>Separation and Purification Technology</i> , 2021 , 260, 118207	8.3	9
71	Surface modification of nanofiltration membranes to improve the removal of organic micropollutants: Linking membrane characteristics to solute transmission. <i>Water Research</i> , 2021 , 203, 117520	12.5	6
70	Biocatalytic metal-organic framework nanomotors for active water decontamination. <i>Chemical Communications</i> , 2020 , 56, 14837-14840	5.8	13
69	Removal of organic matter from wastewater reverse osmosis concentrate using granular activated carbon and anion exchange resin adsorbent columns in sequence. <i>Chemosphere</i> , 2020 , 261, 127549	8.4	11
68	Disinfectant residual stability leading to disinfectant decay and by-product formation in drinking water distribution systems: A systematic review. <i>Water Research</i> , 2019 , 153, 335-348	12.5	53
67	Glycerol dialkyl glycerol tetraethers (GDGT) distributions from soil to cave: Refining the speleothem paleothermometer. <i>Organic Geochemistry</i> , 2019 , 136, 103890	3.1	6
66	New insights into the relationship between draw solution chemistry and trace organic rejection by forward osmosis. <i>Journal of Membrane Science</i> , 2019 , 587, 117184	9.6	23
65	Occurrence and bioconcentration of micropollutants in Silver Perch (<i>Bidyanus bidyanus</i>) in a reclaimed water reservoir. <i>Science of the Total Environment</i> , 2019 , 650, 585-593	10.2	16
64	An anaerobic membrane bioreactor - membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. <i>Science of the Total Environment</i> , 2018 , 628-629, 358-365	10.2	61
63	The fate of trace organic contaminants during anaerobic digestion of primary sludge: A pilot scale study. <i>Bioresour. Technol.</i> , 2018 , 256, 384-390	11	41
62	Histopathology, vitellogenin and chemical body burden in mosquitofish (<i>Gambusia holbrooki</i>) sampled from six river sites receiving a gradient of stressors. <i>Science of the Total Environment</i> , 2018 , 616-617, 1638-1648	10.2	13
61	Effects of sulphur on the performance of an anaerobic membrane bioreactor: Biological stability, trace organic contaminant removal, and membrane fouling. <i>Bioresour. Technol.</i> , 2018 , 250, 171-177 ¹¹	11	34

60	Fate of trace organic contaminants in oxic-settling-anoxic (OSA) process applied for biosolids reduction during wastewater treatment. <i>Bioresource Technology</i> , 2017 , 240, 181-191	11	15
59	The fate of trace organic contaminants in sewage sludge during recuperative thickening anaerobic digestion. <i>Bioresource Technology</i> , 2017 , 240, 197-206	11	16
58	Assessing the potential for trace organic contaminants commonly found in Australian rivers to induce vitellogenin in the native rainbowfish (<i>Melanotaenia fluviatilis</i>) and the introduced mosquitofish (<i>Gambusia holbrooki</i>). <i>Aquatic Toxicology</i> , 2017 , 185, 105-120	5.1	7
57	Effects of thermal pre-treatment and recuperative thickening on the fate of trace organic contaminants during anaerobic digestion of sewage sludge. <i>International Biodeterioration and Biodegradation</i> , 2017 , 124, 146-154	4.8	24
56	Continuous transformation of chiral pharmaceuticals in enzymatic membrane bioreactors for advanced wastewater treatment. <i>Water Science and Technology</i> , 2017 , 76, 1816-1826	2.2	15
55	Physiological and Proteomic Responses of Continuous Cultures of <i>Microcystis aeruginosa</i> PCC 7806 to Changes in Iron Bioavailability and Growth Rate. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5918-29	4.8	26
54	Synthetically tuneable biomimetic artificial photosynthetic reaction centres that closely resemble the natural system in purple bacteria. <i>Chemical Science</i> , 2016 , 7, 6534-6550	9.4	16
53	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. <i>Bioresource Technology</i> , 2016 , 216, 399-405	11	59
52	Biological performance and trace organic contaminant removal by a side-stream ceramic nanofiltration membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2016 , 113, 49-56	4.8	15
51	Concentrations of levonorgestrel and ethinylestradiol in wastewater effluents: Is the progestin also cause for concern?. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1378-85	3.8	19
50	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. <i>Bioresource Technology</i> , 2016 , 210, 153-9	11	74
49	Impact of hazardous events on the removal of nutrients and trace organic contaminants by an anoxic-aerobic membrane bioreactor receiving real wastewater. <i>Bioresource Technology</i> , 2015 , 192, 192-201	11	16
48	Analysis of organophosphate flame retardants and plasticisers in water by isotope dilution gas chromatography-electron ionisation tandem mass spectrometry. <i>Talanta</i> , 2015 , 143, 114-120	6.2	15
47	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2015 , 102, 40-48	4.8	45
46	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2015 , 189, 391-398	11	85
45	Rejection of trace organic chemicals by a nanofiltration membrane: the role of molecular properties and effects of caustic cleaning. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 846-854	4.2	18
44	Validating the rejection of trace organic chemicals by reverse osmosis membranes using a pilot-scale system. <i>Desalination</i> , 2015 , 358, 18-26	10.3	9
43	Rejection of trace organic chemicals by a hollow fibre cellulose triacetate reverse osmosis membrane. <i>Desalination</i> , 2015 , 368, 69-75	10.3	28

42	Modelling the rejection of N-nitrosamines by a spiral-wound reverse osmosis system: Mathematical model development and validation. <i>Journal of Membrane Science</i> , 2014 , 454, 212-219	9.6	18
41	Nanofiltration of trace organic chemicals: A comparison between ceramic and polymeric membranes. <i>Separation and Purification Technology</i> , 2014 , 136, 258-264	8.3	59
40	Rejection of small solutes by reverse osmosis membranes for water reuse applications: A pilot-scale study. <i>Desalination</i> , 2014 , 350, 28-34	10.3	18
39	Removal of pharmaceuticals and endocrine disrupting chemicals by a submerged membrane photocatalysis reactor (MPR). <i>Separation and Purification Technology</i> , 2014 , 127, 131-139	8.3	80
38	N-nitrosamine rejection by reverse osmosis: Effects of membrane exposure to chemical cleaning reagents. <i>Desalination</i> , 2014 , 343, 60-66	10.3	22
37	Removal of trace organics by anaerobic membrane bioreactors. <i>Water Research</i> , 2014 , 49, 103-12	12.5	123
36	Distinct enantiomeric signals of ibuprofen and naproxen in treated wastewater and sewer overflow. <i>Chirality</i> , 2014 , 26, 739-46	2.1	35
35	A national survey of trace organic contaminants in Australian rivers. <i>Journal of Environmental Quality</i> , 2014 , 43, 1702-12	3.4	49
34	An assessment of endocrine activity in Australian rivers using chemical and in vitro analyses. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12951-67	5.1	55
33	Ozonation of N-Nitrosamines in the Reverse Osmosis Concentrate from Water Recycling Applications. <i>Ozone: Science and Engineering</i> , 2014 , 36, 174-180	2.4	10
32	N-nitrosamine rejection by reverse osmosis membranes: a full-scale study. <i>Water Research</i> , 2013 , 47, 6141-8	12.5	46
31	Enantiomeric analysis of polycyclic musks in water by chiral gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1303, 66-75	4.5	22
30	N-nitrosamine rejection by nanofiltration and reverse osmosis membranes: The importance of membrane characteristics. <i>Desalination</i> , 2013 , 316, 67-75	10.3	52
29	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. <i>Journal of Membrane Science</i> , 2013 , 447, 153-162	9.6	67
28	Removal of N-nitrosamines by an aerobic membrane bioreactor. <i>Bioresource Technology</i> , 2013 , 141, 41-51	11	28
27	Effects of membrane fouling on N-nitrosamine rejection by nanofiltration and reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2013 , 427, 311-319	9.6	53
26	Removal of trace organic contaminants by the forward osmosis process. <i>Separation and Purification Technology</i> , 2013 , 103, 258-266	8.3	128
25	Effects of salinity on the removal of trace organic contaminants by membrane bioreactor treatment for water reuse. <i>Desalination and Water Treatment</i> , 2013 , 51, 5164-5171		11

24	Performance of a novel osmotic membrane bioreactor (OMBR) system: flux stability and removal of trace organics. <i>Bioresource Technology</i> , 2012 , 113, 201-6	11	154
23	Effects of feed solution characteristics on the rejection of N-nitrosamines by reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2012 , 409-410, 66-74	9.6	60
22	Analysis of N-nitrosamines in water by isotope dilution gas chromatography-electron ionisation tandem mass spectrometry. <i>Talanta</i> , 2012 , 99, 146-54	6.2	65
21	Removal of trace organics by MBR treatment: the role of molecular properties. <i>Water Research</i> , 2011 , 45, 2439-51	12.5	345
20	Sorption of emerging trace organic compounds onto wastewater sludge solids. <i>Water Research</i> , 2011 , 45, 3417-26	12.5	179
19	Fate of trace organic compounds during treatment by nanofiltration. <i>Journal of Membrane Science</i> , 2011 , 373, 130-139	9.6	48
18	Is halogen content the most important factor in the removal of halogenated trace organics by MBR treatment?. <i>Bioresource Technology</i> , 2011 , 102, 6299-303	11	44
17	Effect of fouling on removal of trace organic compounds by nanofiltration. <i>Drinking Water Engineering and Science</i> , 2011 , 4, 71-82	2	8
16	Chemical monitoring strategy for the assessment of advanced water treatment plant performance. <i>Water Science and Technology</i> , 2011 , 63, 573-9	2.2	3
15	Chemical monitoring strategy for the assessment of advanced water treatment plant performance. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 961-968	1.4	3
14	Quantifying human exposure to contaminants for multiple-barrier water reuse systems. <i>Water Science and Technology</i> , 2010 , 61, 77-83	2.2	14
13	Electrochemistry and spectroelectrochemistry of beta,beta'-fused quinoxalinoporphyrins and related extended bis-porphyrins with Co(III), Co(II), and Co(I) central metal ions. <i>Inorganic Chemistry</i> , 2010 , 49, 1027-38	5.1	24
12	Combining MBR and NF/RO membrane filtration for the removal of trace organics in indirect potable water reuse applications. <i>Journal of Membrane Science</i> , 2010 , 365, 206-215	9.6	188
11	Effect of mixed liquor pH on the removal of trace organic contaminants in a membrane bioreactor. <i>Bioresource Technology</i> , 2010 , 101, 1494-500	11	119
10	Assessment of trace organic chemical removal by a membrane bioreactor using gas chromatography/mass spectrometry and a yeast screen bioassay. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2537-45	3.8	16
9	Control of the site and potential of reduction and oxidation processes in pi-expanded quinoxalinoporphyrins. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 515-27	3.6	23
8	Control of the site and potential of reduction and oxidation processes in pi-expanded quinoxalinoporphyrins. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 268-80	3.6	1
7	Quinoxalino[2,3-b']porphyrins behave as pi-expanded porphyrins upon one-electron reduction: broad control of the degree of delocalization through substitution at the macrocycle periphery. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8762-74	3.4	49

6	Diffusion coefficients of the monomer and oligomers in hydroxyethyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 2491-2501	2.5	22
5	Long-lived charge-separated state produced by photoinduced electron transfer in a zinc imidazoporphyrin-C(60) dyad. <i>Organic Letters</i> , 2003 , 5, 2719-21	6.2	88
4	Porphyrin-mediated cell surface heme capture from hemoglobin by <i>Porphyromonas gingivalis</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 2528-37	3.5	39
3	Structural requirements for recognition of essential porphyrin by <i>Porphyromonas gingivalis</i> . <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 774-782	1.8	3
2	An Introduction to the Scientific Process: Preparation of Poly(vinyl acetate) Glue. <i>Journal of Chemical Education</i> , 2001 , 78, 1370	2.4	8
1	Fused porphyrin-imidazole systems: new building blocks for synthesis of porphyrin arrays. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999 , 2429-2431		37