

# Michael D Short

## List of Publications by Citations

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

50  
papers

1,021  
citations

17  
h-index

31  
g-index

50  
ext. papers

1,224  
ext. citations

6.7  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
50	Red meat production in australia: life cycle assessment and comparison with overseas studies. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 1327-32	10.3	167
49	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2020</b> , 1, 100006	7.5	135
48	The application of life cycle assessment (LCA) to wastewater treatment: A best practice guide and critical review. <i>Water Research</i> , <b>2020</b> , 184, 116058	12.5	65
47	Occurrence of illicit drugs in water and wastewater and their removal during wastewater treatment. <i>Water Research</i> , <b>2017</b> , 124, 713-727	12.5	59
46	A streamlined sustainability assessment tool for improved decision making in the urban water industry. <i>Integrated Environmental Assessment and Management</i> , <b>2012</b> , 8, 183-93	2.5	41
45	Exploring the relationship between viscous bulking and ammonia-oxidiser abundance in activated sludge: A comparison of conventional and IFAS systems. <i>Water Research</i> , <b>2010</b> , 44, 2919-29	12.5	41
44	The Formation of Silicate-Stabilized Passivating Layers on Pyrite for Reduced Acid Rock Drainage. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11317-11325	10.3	36
43	Managing Adaptation of Urban Water Systems in a Changing Climate. <i>Water Resources Management</i> , <b>2012</b> , 26, 1953-1981	3.7	35
42	Value-Added Products Derived from Waste Activated Sludge: A Biorefinery Perspective. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 545	3	33
41	A hybrid life cycle assessment of water treatment chemicals: an Australian experience. <i>International Journal of Life Cycle Assessment</i> , <b>2013</b> , 18, 1291-1301	4.6	33
40	Municipal gravity sewers: an unrecognised source of nitrous oxide. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 211-8	10.2	28
39	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies [part I: concepts and technical basis. <i>Journal of Cleaner Production</i> , <b>2014</b> , 69, 60-66	10.3	27
38	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies [part II: application to viticulture. <i>Journal of Cleaner Production</i> , <b>2015</b> , 87, 119-129	10.3	24
37	Comparing the performance of aerobic granular sludge versus conventional activated sludge for microbial log removal and effluent quality: Implications for water reuse. <i>Water Research</i> , <b>2018</b> , 145, 442-452	12.5	24
36	Removal of emerging drugs of addiction by wastewater treatment and water recycling processes and impacts on effluent-associated environmental risk. <i>Science of the Total Environment</i> , <b>2019</b> , 680, 13-22	10.2	20
35	The Effects of Galvanic Interactions with Pyrite on the Generation of Acid and Metalliferous Drainage. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5349-5357	10.3	20
34	Strategies for Reduced Acid and Metalliferous Drainage by Pyrite Surface Passivation. <i>Minerals (Basel, Switzerland)</i> , <b>2017</b> , 7, 42	2.4	19

33	Comparison of an anaerobic feed and split anaerobic-aerobic feed on granular sludge development, performance and ecology. <i>Chemosphere</i> , <b>2017</b> , 172, 408-417	8.4	16
32	Towards a comprehensive greenhouse gas emissions inventory for biosolids. <i>Water Research</i> , <b>2016</b> , 96, 299-307	12.5	15
31	Dissolved methane in the influent of three Australian wastewater treatment plants fed by gravity sewers. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 85-93	10.2	13
30	Heterotrophic Microbial Stimulation through Biosolids Addition for Enhanced Acid Mine Drainage Control. <i>Minerals (Basel, Switzerland)</i> , <b>2017</b> , 7, 105	2.4	12
29	Fate and levels of steroid oestrogens and androgens in waste stabilisation ponds: quantification by liquid chromatography-tandem mass spectrometry. <i>Water Science and Technology</i> , <b>2010</b> , 61, 677-84	2.2	11
28	Environmental life cycle assessment of lignocellulosic ethanol-blended fuels: A case study. <i>Journal of Cleaner Production</i> , <b>2020</b> , 245, 118933	10.3	11
27	Occurrence, removal and environmental risk of markers of five drugs of abuse in urban wastewater systems in South Australia. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 33816-33826	5.1	10
26	Consequential cradle-to-gate carbon footprint of water treatment chemicals using simple and complex marginal technologies for electricity supply. <i>International Journal of Life Cycle Assessment</i> , <b>2014</b> , 19, 1974-1984	4.6	10
25	Understanding the impacts of allocation approaches during process-based life cycle assessment of water treatment chemicals. <i>Integrated Environmental Assessment and Management</i> , <b>2014</b> , 10, 87-94	2.5	10
24	Evaluation of the rate of dissolution of secondary sulfate minerals for effective acid and metalliferous drainage mitigation. <i>Chemical Geology</i> , <b>2019</b> , 504, 14-27	4.2	10
23	Role of microbial diversity for sustainable pyrite oxidation control in acid and metalliferous drainage prevention. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 393, 122338	12.8	9
22	Application of a novel functional gene microarray to probe the functional ecology of ammonia oxidation in nitrifying activated sludge. <i>PLoS ONE</i> , <b>2013</b> , 8, e77139	3.7	9
21	Relative performance of duckweed ponds and rock filtration as advanced in-pond wastewater treatment processes for upgrading waste stabilisation pond effluent: a pilot study. <i>Water Science and Technology</i> , <b>2007</b> , 55, 111-9	2.2	7
20	Understanding the Removal and Fate of Selected Drugs of Abuse in Sludge and Biosolids from Australian Wastewater Treatment Operations. <i>Engineering</i> , <b>2019</b> , 5, 872-879	9.7	6
19	Application of high rate nitrifying trickling filters to remove low concentrations of ammonia from reclaimed municipal wastewater. <i>Water Science and Technology</i> , <b>2010</b> , 61, 2425-32	2.2	6
18	Energy Benchmarking as a Tool for Energy-Efficient Wastewater Treatment: Reviewing International Applications. <i>Water Conservation Science and Engineering</i> , <b>2020</b> , 5, 115-136	1.6	6
17	Fluorescence Excitation-Emission Spectroscopy: An Analytical Technique to Monitor Drugs of Addiction in Wastewater. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 377	3	5
16	Ecology and performance of aerobic granular sludge treating high-saline municipal wastewater. <i>Water Science and Technology</i> , <b>2018</b> , 77, 1107-1114	2.2	5

15	Marine nitrous oxide emissions: An unknown liability for the international water sector. <i>Environmental Science and Policy</i> , <b>2013</b> , 33, 209-221	6.2	5
14	Maximising renewable gas export opportunities at wastewater treatment plants through the integration of alternate energy generation and storage options. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140580	10.2	5
13	Analysis of nitrous oxide emissions from aerobic granular sludge treating high saline municipal wastewater. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 143653	10.2	5
12	Inactivation, removal, and regrowth potential of opportunistic pathogens and antimicrobial resistance genes in recycled water systems. <i>Water Research</i> , <b>2021</b> , 201, 117324	12.5	5
11	The Combined Effects of Galvanic Interaction and Silicate Addition on the Oxidative Dissolution of Pyrite: Implications for Acid and Metalliferous Drainage Control. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11922-11931	10.3	4
10	Control of Acid Generation from Pyrite Oxidation in a Highly Reactive Natural Waste: A Laboratory Case Study. <i>Minerals (Basel, Switzerland)</i> , <b>2017</b> , 7, 89	2.4	4
9	Formation of Aluminum Hydroxide-Doped Surface Passivating Layers on Pyrite for Acid Rock Drainage Control. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11786-11795	10.3	4
8	Nitrification potential in waste stabilisation ponds: comparison of a secondary and tertiary pond system. <i>Water Science and Technology</i> , <b>2010</b> , 61, 781-8	2.2	3
7	Non-carbonate geochemical options for long-term sustainable acid and metalliferous drainage control at-source. <i>Environmental Earth Sciences</i> , <b>2019</b> , 78, 1	2.9	2
6	Passivation of pyrite for reduced rates of acid and metalliferous drainage using readily available mineralogic and organic carbon resources: A laboratory mine waste study. <i>Chemosphere</i> , <b>2021</b> , 285, 131330	8.4	2
5	Science: How the Status Quo Harms its Cultural Authority. <i>BioEssays</i> , <b>2017</b> , 39, 1700154	4.1	1
4	Aquatic Phytotoxicity to Lemna minor of Three Commonly Used Drugs of Addiction in Australia. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2019</b> , 103, 710-716	2.7	1
3	Evolution of pyrite oxidation from a 10-year kinetic leach study: Implications for secondary mineralisation in acid mine drainage control. <i>Chemical Geology</i> , <b>2021</b> , 588, 120653	4.2	1
2	Wastewater monitoring for SARS-CoV-2. <i>Microbiology Australia</i> , <b>2021</b> , 42, 18	0.8	1
1	Energy Benchmarking for Efficient, Lower Carbon Wastewater Treatment Operations in Australia <b>2019</b> , 305-320		