Michael D Short

List of Publications by Year in Descending Order

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	Evolution of pyrite oxidation from a 10-year kinetic leach study: Implications for secondary mineralisation in acid mine drainage control. *Chemical Geology*, **2021**, 588, 120653	4.2	1
49	Analysis of nitrous oxide emissions from aerobic granular sludge treating high saline municipal wastewater. *Science of the Total Environment*, **2021**, 756, 143653	10.2	5
48	Inactivation, removal, and regrowth potential of opportunistic pathogens and antimicrobial resistance genes in recycled water systems. *Water Research*, **2021**, 201, 117324	12.5	5
47	Passivation of pyrite for reduced rates of acid and metalliferous drainage using readily available mineralogic and organic carbon resources: A laboratory mine waste study. *Chemosphere*, **2021**, 285, 131330	8.4	2
46	Wastewater monitoring for SARS-CoV-2. *Microbiology Australia*, **2021**, 42, 18	0.8	1
45	The application of life cycle assessment (LCA) to wastewater treatment: A best practice guide and critical review. *Water Research*, **2020**, 184, 116058	12.5	65
44	Role of microbial diversity for sustainable pyrite oxidation control in acid and metalliferous drainage prevention. *Journal of Hazardous Materials*, **2020**, 393, 122338	12.8	9
43	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. *Case Studies in Chemical and Environmental Engineering*, **2020**, 1, 100006	7.5	135
42	Energy Benchmarking as a Tool for Energy-Efficient Wastewater Treatment: Reviewing International Applications. *Water Conservation Science and Engineering*, **2020**, 5, 115-136	1.6	6
41	Environmental life cycle assessment of lignocellulosic ethanol-blended fuels: A case study. *Journal of Cleaner Production*, **2020**, 245, 118933	10.3	11
40	Maximising renewable gas export opportunities at wastewater treatment plants through the integration of alternate energy generation and storage options. *Science of the Total Environment*, **2020**, 742, 140580	10.2	5
39	Aquatic Phytotoxicity to Lemna minor of Three Commonly Used Drugs of Addiction in Australia. *Bulletin of Environmental Contamination and Toxicology*, **2019**, 103, 710-716	2.7	1
38	The Combined Effects of Galvanic Interaction and Silicate Addition on the Oxidative Dissolution of Pyrite: Implications for Acid and Metalliferous Drainage Control. *Environmental Science & Technology*, **2019**, 53, 11922-11931	10.3	4
37	Fluorescence Excitation-Emission Spectroscopy: An Analytical Technique to Monitor Drugs of Addiction in Wastewater. *Water (Switzerland)*, **2019**, 11, 377	3	5
36	Removal of emerging drugs of addiction by wastewater treatment and water recycling processes and impacts on effluent-associated environmental risk. *Science of the Total Environment*, **2019**, 680, 13-22	10.2	20
35	Non-carbonate geochemical options for long-term sustainable acid and metalliferous drainage control at-source. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	2
34	Occurrence, removal and environmental risk of markers of five drugs of abuse in urban wastewater systems in South Australia. *Environmental Science and Pollution Research*, **2019**, 26, 33816-33826	5.1	10

33	Understanding the Removal and Fate of Selected Drugs of Abuse in Sludge and Biosolids from Australian Wastewater Treatment Operations. *Engineering*, **2019**, 5, 872-879	9.7	6
32	Energy Benchmarking for Efficient, Lower Carbon Wastewater Treatment Operations in Australia **2019**, 305-320		
31	Evaluation of the rate of dissolution of secondary sulfate minerals for effective acid and metalliferous drainage mitigation. *Chemical Geology*, **2019**, 504, 14-27	4.2	10
30	Ecology and performance of aerobic granular sludge treating high-saline municipal wastewater. *Water Science and Technology*, **2018**, 77, 1107-1114	2.2	5
29	The Effects of Galvanic Interactions with Pyrite on the Generation of Acid and Metalliferous Drainage. *Environmental Science & Technology*, **2018**, 52, 5349-5357	10.3	20
28	Value-Added Products Derived from Waste Activated Sludge: A Biorefinery Perspective. *Water (Switzerland)*, **2018**, 10, 545	3	33
27	Formation of Aluminum Hydroxide-Doped Surface Passivating Layers on Pyrite for Acid Rock Drainage Control. *Environmental Science & Technology*, **2018**, 52, 11786-11795	10.3	4
26	Comparing the performance of aerobic granular sludge versus conventional activated sludge for microbial log removal and effluent quality: Implications for water reuse. *Water Research*, **2018**, 145, 442-452	12.5	24
25	Dissolved methane in the influent of three Australian wastewater treatment plants fed by gravity sewers. *Science of the Total Environment*, **2017**, 599-600, 85-93	10.2	13
24	Comparison of an anaerobic feed and split anaerobic-aerobic feed on granular sludge development, performance and ecology. *Chemosphere*, **2017**, 172, 408-417	8.4	16
23	Science: How the Status Quo Harms its Cultural Authority. *BioEssays*, **2017**, 39, 1700154	4.1	1
22	Strategies for Reduced Acid and Metalliferous Drainage by Pyrite Surface Passivation. *Minerals (Basel, Switzerland)*, **2017**, 7, 42	2.4	19
21	Heterotrophic Microbial Stimulation through Biosolids Addition for Enhanced Acid Mine Drainage Control. *Minerals (Basel, Switzerland)*, **2017**, 7, 105	2.4	12
20	The Formation of Silicate-Stabilized Passivating Layers on Pyrite for Reduced Acid Rock Drainage. *Environmental Science & Technology*, **2017**, 51, 11317-11325	10.3	36
19	Occurrence of illicit drugs in water and wastewater and their removal during wastewater treatment. *Water Research*, **2017**, 124, 713-727	12.5	59
18	Control of Acid Generation from Pyrite Oxidation in a Highly Reactive Natural Waste: A Laboratory Case Study. *Minerals (Basel, Switzerland)*, **2017**, 7, 89	2.4	4
17	Towards a comprehensive greenhouse gas emissions inventory for biosolids. *Water Research*, **2016**, 96, 299-307	12.5	15
16	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies Part II: application to viticulture. *Journal of Cleaner Production*, **2015**, 87, 119-129	10.3	24

15	Consequential cradle-to-gate carbon footprint of water treatment chemicals using simple and complex marginal technologies for electricity supply. *International Journal of Life Cycle Assessment*, **2014**, 19, 1974-1984	4.6	10
14	Municipal gravity sewers: an unrecognised source of nitrous oxide. *Science of the Total Environment*, **2014**, 468-469, 211-8	10.2	28
13	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies Part I: concepts and technical basis. *Journal of Cleaner Production*, **2014**, 69, 60-66	10.3	27
12	Understanding the impacts of allocation approaches during process-based life cycle assessment of water treatment chemicals. *Integrated Environmental Assessment and Management*, **2014**, 10, 87-94	2.5	10
11	A hybrid life cycle assessment of water treatment chemicals: an Australian experience. *International Journal of Life Cycle Assessment*, **2013**, 18, 1291-1301	4.6	33
10	Marine nitrous oxide emissions: An unknown liability for the international water sector. *Environmental Science and Policy*, **2013**, 33, 209-221	6.2	5
9	Application of a novel functional gene microarray to probe the functional ecology of ammonia oxidation in nitrifying activated sludge. *PLoS ONE*, **2013**, 8, e77139	3.7	9
8	A streamlined sustainability assessment tool for improved decision making in the urban water industry. *Integrated Environmental Assessment and Management*, **2012**, 8, 183-93	2.5	41
7	Managing Adaptation of Urban Water Systems in a Changing Climate. *Water Resources Management* , **2012**, 26, 1953-1981	3.7	35
6	Fate and levels of steroid oestrogens and androgens in waste stabilisation ponds: quantification by liquid chromatography-tandem mass spectrometry. *Water Science and Technology*, **2010**, 61, 677-84	2.2	11
5	Nitrification potential in waste stabilisation ponds: comparison of a secondary and tertiary pond system. *Water Science and Technology*, **2010**, 61, 781-8	2.2	3
4	Red meat production in australia: life cycle assessment and comparison with overseas studies. *Environmental Science & Technology*, **2010**, 44, 1327-32	10.3	167
3	Exploring the relationship between viscous bulking and ammonia-oxidiser abundance in activated sludge: A comparison of conventional and IFAS systems. *Water Research*, **2010**, 44, 2919-29	12.5	41
2	Application of high rate nitrifying trickling filters to remove low concentrations of ammonia from reclaimed municipal wastewater. *Water Science and Technology*, **2010**, 61, 2425-32	2.2	6
1	Relative performance of duckweed ponds and rock filtration as advanced in-pond wastewater treatment processes for upgrading waste stabilisation pond effluent: a pilot study. *Water Science and Technology*, **2007**, 55, 111-9	2.2	7