

Michael D Short

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,436
citations

393982

19
h-index

329751

37
g-index

50
all docs

50
docs citations

50
times ranked

2047
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The COVID-19 pandemic: Considerations for the waste and wastewater services sector. Case Studies in Chemical and Environmental Engineering, 2020, 1, 100006. | 2.9 | 187 |
| 2 | Red Meat Production in Australia: Life Cycle Assessment and Comparison with Overseas Studies. Environmental Science & Technology, 2010, 44, 1327-1332. | 4.6 | 182 |
| 3 | The application of life cycle assessment (LCA) to wastewater treatment: A best practice guide and critical review. Water Research, 2020, 184, 116058. | 5.3 | 161 |
| 4 | Occurrence of illicit drugs in water and wastewater and their removal during wastewater treatment. Water Research, 2017, 124, 713-727. | 5.3 | 82 |
| 5 | The Formation of Silicate-Stabilized Passivating Layers on Pyrite for Reduced Acid Rock Drainage. Environmental Science & Technology, 2017, 51, 11317-11325. | 4.6 | 49 |
| 6 | A streamlined sustainability assessment tool for improved decision making in the urban water industry. Integrated Environmental Assessment and Management, 2012, 8, 183-193. | 1.6 | 48 |
| 7 | Exploring the relationship between viscous bulking and ammonia-oxidiser abundance in activated sludge: A comparison of conventional and IFAS systems. Water Research, 2010, 44, 2919-2929. | 5.3 | 45 |
| 8 | A hybrid life cycle assessment of water treatment chemicals: an Australian experience. International Journal of Life Cycle Assessment, 2013, 18, 1291-1301. | 2.2 | 42 |
| 9 | Managing Adaptation of Urban Water Systems in a Changing Climate. Water Resources Management, 2012, 26, 1953-1981. | 1.9 | 41 |
| 10 | Value-Added Products Derived from Waste Activated Sludge: A Biorefinery Perspective. Water (Switzerland), 2018, 10, 545. | 1.2 | 40 |
| 11 | Municipal gravity sewers: An unrecognised source of nitrous oxide. Science of the Total Environment, 2014, 468-469, 211-218. | 3.9 | 36 |
| 12 | 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. | 5.3 | 35 |
| 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. | 4.6 | 30 |
| 14 | 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. | 4.6 | 30 |
| 15 | 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. | 3.9 | 29 |
| 16 | Strategies for Reduced Acid and Metalliferous Drainage by Pyrite Surface Passivation. Minerals (Basel), 2019, 9, 1028. | 0.8 | 28 |
| 17 | The Effects of Galvanic Interactions with Pyrite on the Generation of Acid and Metalliferous Drainage. Environmental Science & Technology, 2018, 52, 5349-5357. | 4.6 | 26 |
| 18 | Environmental life cycle assessment of lignocellulosic ethanol-blended fuels: A case study. Journal of Cleaner Production, 2020, 245, 118933. | 4.6 | 21 |

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|----|---|-----|-----------|
| 19 | Towards a comprehensive greenhouse gas emissions inventory for biosolids. <i>Water Research</i> , 2016, 96, 299-307. | 5.3 | 20 |
| 20 | Role of microbial diversity for sustainable pyrite oxidation control in acid and metalliferous drainage prevention. <i>Journal of Hazardous Materials</i> , 2020, 393, 122338. | 6.5 | 19 |
| 21 | Dissolved methane in the influent of three Australian wastewater treatment plants fed by gravity sewers. <i>Science of the Total Environment</i> , 2017, 599-600, 85-93. | 3.9 | 18 |
| 22 | Comparison of an anaerobic feed and split anaerobic-aerobic feed on granular sludge development, performance and ecology. <i>Chemosphere</i> , 2017, 172, 408-417. | 4.2 | 18 |
| 23 | Inactivation, removal, and regrowth potential of opportunistic pathogens and antimicrobial resistance genes in recycled water systems. <i>Water Research</i> , 2021, 201, 117324. | 5.3 | 17 |
| 24 | 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> , 2019, 26, 33816-33826. | 2.7 | 16 |
| 25 | Heterotrophic Microbial Stimulation through Biosolids Addition for Enhanced Acid Mine Drainage Control. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 105. | 0.8 | 15 |
| 26 | Evaluation of the rate of dissolution of secondary sulfate minerals for effective acid and metalliferous drainage mitigation. <i>Chemical Geology</i> , 2019, 504, 14-27. | 1.4 | 14 |
| 27 | 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> , 2010, 61, 677-684. | 1.2 | 13 |
| 28 | Understanding the Removal and Fate of Selected Drugs of Abuse in Sludge and Biosolids from Australian Wastewater Treatment Operations. <i>Engineering</i> , 2019, 5, 872-879. | 3.2 | 13 |
| 29 | Evolution of pyrite oxidation from a 10-year kinetic leach study: Implications for secondary mineralisation in acid mine drainage control. <i>Chemical Geology</i> , 2022, 588, 120653. | 1.4 | 13 |
| 30 | Understanding the impacts of allocation approaches during process-based life cycle assessment of water treatment chemicals. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 87-94. | 1.6 | 12 |
| 31 | Analysis of nitrous oxide emissions from aerobic granular sludge treating high saline municipal wastewater. <i>Science of the Total Environment</i> , 2021, 756, 143653. | 3.9 | 12 |
| 32 | 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 & Technology</i> , 2019, 53, 11922-11931. | 4.6 | 11 |
| 33 | 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> , 2021, 285, 131330. | 4.2 | 11 |
| 34 | Energy Benchmarking as a Tool for Energy-Efficient Wastewater Treatment: Reviewing International Applications. <i>Water Conservation Science and Engineering</i> , 2020, 5, 115-136. | 0.9 | 11 |
| 35 | Application of a Novel Functional Gene Microarray to Probe the Functional Ecology of Ammonia Oxidation in Nitrifying Activated Sludge. <i>PLoS ONE</i> , 2013, 8, e77139. | 1.1 | 10 |
| 36 | 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> , 2014, 19, 1974-1984. | 2.2 | 10 |

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|----|--|-----|-----------|
| 37 | Formation of Aluminum Hydroxide-Doped Surface Passivating Layers on Pyrite for Acid Rock Drainage Control. <i>Environmental Science & Technology</i> , 2018, 52, 11786-11795. | 4.6 | 8 |
| 38 | Fluorescence Excitation-Emission Spectroscopy: An Analytical Technique to Monitor Drugs of Addiction in Wastewater. <i>Water (Switzerland)</i> , 2019, 11, 377. | 1.2 | 8 |
| 39 | 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> , 2020, 742, 140580. | 3.9 | 8 |
| 40 | 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> , 2007, 55, 111-119. | 1.2 | 7 |
| 41 | Application of high rate nitrifying trickling filters to remove low concentrations of ammonia from reclaimed municipal wastewater. <i>Water Science and Technology</i> , 2010, 61, 2425-2432. | 1.2 | 7 |
| 42 | Control of Acid Generation from Pyrite Oxidation in a Highly Reactive Natural Waste: A Laboratory Case Study. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 89. | 0.8 | 6 |
| 43 | Ecology and performance of aerobic granular sludge treating high-saline municipal wastewater. <i>Water Science and Technology</i> , 2018, 77, 1107-1114. | 1.2 | 6 |
| 44 | Marine nitrous oxide emissions: An unknown liability for the international water sector. <i>Environmental Science and Policy</i> , 2013, 33, 209-221. | 2.4 | 5 |
| 45 | Non-carbonate geochemical options for long-term sustainable acid and metalliferous drainage control at-source. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 5 |
| 46 | Wastewater monitoring for SARS-CoV-2. <i>Microbiology Australia</i> , 2021, 42, 18. | 0.1 | 5 |
| 47 | Nitrification potential in waste stabilisation ponds: comparison of a secondary and tertiary pond system. <i>Water Science and Technology</i> , 2010, 61, 781-788. | 1.2 | 3 |
| 48 | Science: How the <i>Status Quo</i> Harms its Cultural Authority. <i>BioEssays</i> , 2017, 39, 1700154. | 1.2 | 2 |
| 49 | Aquatic Phytotoxicity to <i>Lemna minor</i> of Three Commonly Used Drugs of Addiction in Australia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 710-716. | 1.3 | 1 |
| 50 | Energy Benchmarking for Efficient, Lower Carbon Wastewater Treatment Operations in Australia. , 2019, , 305-320. | | 0 |