# Michihiko Ike

## List of Publications by Citations



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| 159 papers | 3,118 citations | 34 h-index | 50 g-index |
| 163 ext. papers | 3,593 ext. citations | 4.3 avg, IF | 5.15 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 159 | Accelerated biodegradation of pyrene and benzo[a]pyrene in the Phragmites australis rhizosphere by bacteria-root exudate interactions. *Water Research*, **2011**, 45, 1629-38 | 12.5 | 157 |
| 158 | Microbial population dynamics during startup of a full-scale anaerobic digester treating industrial food waste in Kyoto eco-energy project. *Bioresource Technology*, **2010**, 101, 3952-7 | 11 | 101 |
| 157 | Factors affecting soluble selenium removal by a selenate-reducing bacterium Bacillus sp. SF-1. *Journal of Bioscience and Bioengineering*, **2000**, 89, 528-33 | 3.3 | 94 |
| 156 | Biodegradation of bisphenol A and bisphenol F in the rhizosphere sediment of Phragmites australis. *Journal of Bioscience and Bioengineering*, **2009**, 108, 147-50 | 3.3 | 84 |
| 155 | Acute toxicity, mutagenicity, and estrogenicity of biodegradation products of bisphenol-A. *Environmental Toxicology*, **2002**, 17, 457-61 | 4.2 | 81 |
| 154 | Evaluation of wastewater reclamation technologies based on in vitro and in vivo bioassays. *Science of the Total Environment*, **2009**, 407, 1588-97 | 10.2 | 78 |
| 153 | Design of PCR primers and gene probes for the general detection of bacterial populations capable of degrading aromatic compounds via catechol cleavage pathways. *Journal of Bioscience and Bioengineering*, **1999**, 88, 542-50 | 3.3 | 72 |
| 152 | Isolation and characterization of a novel selenate-reducing bacterium, Bacillus sp. SF-1. *Journal of Bioscience and Bioengineering*, **1997**, 83, 517-522 | | 71 |
| 151 | Laboratory-scale bioreactors for soluble selenium removal from selenium refinery wastewater using anaerobic sludge. *Desalination*, **2011**, 279, 433-438 | 10.3 | 69 |
| 150 | Characterization of Pseudomonas stutzeri NT-I capable of removing soluble selenium from the aqueous phase under aerobic conditions. *Journal of Bioscience and Bioengineering*, **2011**, 112, 259-64 | 3.3 | 68 |
| 149 | Laboratory-scale continuous reactor for soluble selenium removal using selenate-reducing bacterium, Bacillus sp. SF-1. *Biotechnology and Bioengineering*, **2002**, 80, 755-61 | 4.9 | 68 |
| 148 | Isolation and characterization of bacterial strains that have high ability to degrade 1,4-dioxane as a sole carbon and energy source. *Biodegradation*, **2013**, 24, 665-74 | 4.1 | 66 |
| 147 | Effective selenium volatilization under aerobic conditions and recovery from the aqueous phase by Pseudomonas stutzeri NT-I. *Water Research*, **2013**, 47, 1361-8 | 12.5 | 62 |
| 146 | Biodegradation of a polyvinyl alcohol-starch blend plastic film. *World Journal of Microbiology and Biotechnology*, **1999**, 15, 321-327 | 4.4 | 62 |
| 145 | Selenate reduction by bacteria isolated from aquatic environment free from selenium contamination. *Water Research*, **2000**, 34, 3019-3025 | 12.5 | 57 |
| 144 | Removal of phenol, bisphenol A, and 4-tert-butylphenol from synthetic landfill leachate by vertical flow constructed wetlands. *Science of the Total Environment*, **2017**, 578, 566-576 | 10.2 | 55 |
| 143 | Accelerated aromatic compounds degradation in aquatic environment by use of interaction between Spirodela polyrrhiza and bacteria in its rhizosphere. *Journal of Bioscience and Bioengineering*, **2006**, 101, 346-53 | 3.3 | 55 |

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|---|---|---|---|
| 142 | Bacillus selenatarsenatis sp. nov., a selenate- and arsenate-reducing bacterium isolated from the effluent drain of a glass-manufacturing plant. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 1060-1064 | 2.2 | 53 |
| 141 | A novel control method for nitritation: The domination of ammonia-oxidizing bacteria by high concentrations of inorganic carbon in an airlift-fluidized bed reactor. *Water Research*, **2010**, 44, 4195-203 | 12.5 | 52 |
| 140 | Acceleration of nonylphenol and 4-tert-octylphenol degradation in sediment by Phragmites australis and associated rhizosphere bacteria. *Environmental Science & Technology*, **2011**, 45, 6524-30 | 10.3 | 52 |
| 139 | Simultaneous anammox and denitrification (SAD) process in sequencing batch reactors. *Bioresource Technology*, **2014**, 174, 159-66 | 11 | 51 |
| 138 | 1,4-Dioxane degradation potential of members of the genera Pseudonocardia and Rhodococcus. *Biodegradation*, **2016**, 27, 277-286 | 4.1 | 46 |
| 137 | Isolation and characterization of 4-tert-butylphenol-utilizing Sphingobium fuliginis strains from Phragmites australis rhizosphere sediment. *Applied and Environmental Microbiology*, **2010**, 76, 6733-40 | 4.8 | 46 |
| 136 | Isolation of a selenite-reducing and cadmium-resistant bacterium Pseudomonas sp. strain RB for microbial synthesis of CdSe nanoparticles. *Journal of Bioscience and Bioengineering*, **2014**, 117, 576-81 | 3.3 | 44 |
| 135 | Molecular cloning and characterization of the srdBCA operon, encoding the respiratory selenate reductase complex, from the selenate-reducing bacterium Bacillus selenatarsenatis SF-1. *Journal of Bacteriology*, **2011**, 193, 2141-8 | 3.5 | 44 |
| 134 | Dissimilatory arsenate reduction by a facultative anaerobe, Bacillus sp. strain SF-1. *Journal of Bioscience and Bioengineering*, **2003**, 96, 454-60 | 3.3 | 43 |
| 133 | Evaluation of the biodegradation potential of 1,4-dioxane in river, soil and activated sludge samples. *Biodegradation*, **2010**, 21, 585-91 | 4.1 | 42 |
| 132 | Removal of heavy metals from synthetic landfill leachate in lab-scale vertical flow constructed wetlands. *Science of the Total Environment*, **2017**, 584-585, 742-750 | 10.2 | 40 |
| 131 | Evaluation of environmental bacterial communities as a factor affecting the growth of duckweed. *Biotechnology for Biofuels*, **2017**, 10, 62 | 7.8 | 40 |
| 130 | Temperature dependence of nitrogen removal activity by anammox bacteria enriched at low temperatures. *Journal of Bioscience and Bioengineering*, **2017**, 123, 505-511 | 3.3 | 39 |
| 129 | Occurrence of 4-tert-butylphenol (4-t-BP) biodegradation in an aquatic sample caused by the presence of Spirodela polyrrhiza and isolation of a 4-t-BP-utilizing bacterium. *Biodegradation*, **2013**, 24, 191-202 | 4.1 | 39 |
| 128 | Effects of the C/N ratio and bacterial populations on nitrogen removal in the simultaneous anammox and heterotrophic denitrification process: Mathematic modeling and batch experiments. *Chemical Engineering Journal*, **2015**, 280, 606-613 | 14.7 | 38 |
| 127 | Identification of retinoic acid receptor agonists in sewage treatment plants. *Environmental Science & Technology*, **2009**, 43, 6611-6 | 10.3 | 36 |
| 126 | The 4-tert-butylphenol-utilizing bacterium Sphingobium fuliginis OMI can degrade bisphenols via phenolic ring hydroxylation and meta-cleavage pathway. *Environmental Science & Technology*, **2013**, 47, 1017-23 | 10.3 | 35 |
| 125 | Effect of extracellular electron shuttles on arsenic-mobilizing activities in soil microbial communities. *Journal of Hazardous Materials*, **2018**, 342, 571-578 | 12.8 | 34 |

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| 124 | 1,4-Dioxane degradation characteristics of Rhodococcus aetherivorans JCM 14343. *Biodegradation*, **2018**, 29, 301-310 | 4.1 | 32 |
| 123 | Enrichment of bacteria possessing catechol dioxygenase genes in the rhizosphere of Spirodela polyrrhiza: a mechanism of accelerated biodegradation of phenol. *Water Research*, **2009**, 43, 3765-76 | 12.5 | 32 |
| 122 | Duckweed biomass as a renewable biorefinery feedstock: Ethanol and succinate production from Wolffia globosa. *Biomass and Bioenergy*, **2015**, 81, 364-368 | 5.3 | 31 |
| 121 | Monitoring behaviour of catabolic genes and change of microbial community structures in seawater microcosms during aromatic compound degradation. *Water Research*, **2004**, 38, 4405-14 | 12.5 | 31 |
| 120 | Characterization of newly isolated Pseudonocardia sp. N23 with high 1,4-dioxane-degrading ability. *Journal of Bioscience and Bioengineering*, **2018**, 125, 552-558 | 3.3 | 29 |
| 119 | Effect of aeration on stabilization of organic solid waste and microbial population dynamics in lab-scale landfill bioreactors. *Journal of Bioscience and Bioengineering*, **2008**, 106, 425-32 | 3.3 | 29 |
| 118 | Production of a novel bioflocculant by fed-batch culture of Citrobacter sp.. *Biotechnology Letters*, **2001**, 23, 593-597 | 3 | 28 |
| 117 | Biological treatment of selenate-containing saline wastewater by activated sludge under oxygen-limiting conditions. *Water Research*, **2019**, 154, 327-335 | 12.5 | 28 |
| 116 | Estrogenic Activity of Branched 4-Nonylphenol Isomers Examined by Yeast Two-Hybrid Assay. *Journal of Health Science*, **2006**, 52, 132-141 | | 27 |
| 115 | Bacterial community dynamics in a full-scale municipal wastewater treatment plant employing conventional activated sludge process. *Journal of Bioscience and Bioengineering*, **2014**, 118, 64-71 | 3.3 | 26 |
| 114 | Abundance of polymers degrading microorganisms in a sea-based solid waste disposal site. *Journal of Basic Microbiology*, **2000**, 40, 177-86 | 2.7 | 25 |
| 113 | Biological wastewater treatment of 1,4-dioxane using polyethylene glycol gel carriers entrapping Afipia sp. D1. *Journal of Bioscience and Bioengineering*, **2016**, 121, 203-8 | 3.3 | 24 |
| 112 | Cake layer bacterial communities during different biofouling stages in full-scale membrane bioreactors. *Bioresource Technology*, **2018**, 259, 259-267 | 11 | 22 |
| 111 | Effects of culture conditions of Pseudomonas aeruginosa strain RB on the synthesis of CdSe nanoparticles. *Journal of Bioscience and Bioengineering*, **2015**, 119, 440-5 | 3.3 | 21 |
| 110 | Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping Afipia sp. strain D1. *Journal of Hazardous Materials*, **2016**, 304, 251-8 | 12.8 | 21 |
| 109 | Contamination with retinoic acid receptor agonists in two rivers in the Kinki region of Japan. *Water Research*, **2010**, 44, 2409-18 | 12.5 | 21 |
| 108 | Detection of agonistic activities against five human nuclear receptors in river environments of Japan using a yeast two-hybrid assay. *Bulletin of Environmental Contamination and Toxicology*, **2009**, 82, 399-404 | 2.7 | 21 |
| 107 | Estimation and field measurement of methane emission from waste landfills in Hanoi, Vietnam. *Journal of Material Cycles and Waste Management*, **2008**, 10, 165-172 | 3.4 | 21 |

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| 106 | Effects of planting Phragmites australis on nitrogen removal, microbial nitrogen cycling, and abundance of ammonia-oxidizing and denitrifying microorganisms in sediments. *Environmental Technology (United Kingdom)*, **2016**, 37, 478-485 | 2.6 | 20 |
| 105 | Screening of agonistic activities against four nuclear receptors in wastewater treatment plants in Japan using a yeast two-hybrid assay. *Journal of Environmental Sciences*, **2011**, 23, 125-32 | 6.4 | 20 |
| 104 | Isolation and Characterization of Tetrahydrofuran- Degrading Bacteria for 1,4-Dioxane-Containing Wastewater Treatment by Co-Metabolic Degradation. *Journal of Water and Environment Technology* , **2013**, 11, 11-19 | 1.1 | 19 |
| 103 | Disruption of Retinoic Acid Receptor Signaling by Environmental Pollutants. *Journal of Health Science*, **2010**, 56, 221-230 | | 17 |
| 102 | Development of Simple Methods of DNA Extraction from Environmental Samples for Monitoring Microbial Community Based on PCR.. *Japanese Journal of Water Treatment Biology*, **2000**, 36, 193-204 | 0.2 | 17 |
| 101 | Kinetics of nutrient removal and biomass production by duckweed Wolffia arrhiza in continuous-flow mesocosms. *Ecological Engineering*, **2013**, 57, 210-215 | 3.9 | 16 |
| 100 | Differential oxidative and antioxidative response of duckweed Lemna minor toward plant growth promoting/inhibiting bacteria. *Plant Physiology and Biochemistry*, **2017**, 118, 667-673 | 5.4 | 16 |
| 99 | Transfer of plasmid pJP4 from Escherichia coli and Pseudomonas putida to bacteria in activated sludge developed under different sludge retention times. *Journal of Bioscience and Bioengineering*, **2010**, 110, 684-9 | 3.3 | 16 |
| 98 | Removal of soluble selenium by a selenate-reducing bacterium Bacillus sp. SF-1. *BioFactors*, **2001**, 14, 261-5 | 6.1 | 16 |
| 97 | An Enzyme-Linked Immunosorbent Assay for Detection of Linear Alkylbenzene Sulfonate: Development and Field Studies. *Environmental Science & Technology*, **1998**, 32, 1143-1146 | 10.3 | 16 |
| 96 | Enhanced biomass production and nutrient removal capacity of duckweed via two-step cultivation process with a plant growth-promoting bacterium, Acinetobacter calcoaceticus P23. *Chemosphere*, **2020**, 238, 124682 | 8.4 | 16 |
| 95 | Detection of retinoic acid receptor agonistic activity and identification of causative compounds in municipal wastewater treatment plants in Japan. *Environmental Toxicology and Chemistry*, **2012**, 31, 307-15 | 3.8 | 14 |
| 94 | Biotreatment of Selenium Refinery Wastewater Using Pilot-Scale Granular Sludge and Swim-Bed Bioreactors Augmented with a Selenium-Reducing Bacterium Pseudomonas stutzeri NT-I. *Japanese Journal of Water Treatment Biology*, **2012**, 48, 63-71 | 0.2 | 14 |
| 93 | Colonization and Competition Dynamics of Plant Growth-Promoting/Inhibiting Bacteria in the Phytosphere of the Duckweed Lemna minor. *Microbial Ecology*, **2019**, 77, 440-450 | 4.4 | 14 |
| 92 | Characterization of moderately halotolerant selenate- and tellurite-reducing bacteria isolated from brackish areas in Osaka. *Bioscience, Biotechnology and Biochemistry*, **2018**, 82, 173-181 | 2.1 | 13 |
| 91 | Biological 1,4-Dioxane Wastewater Treatment by Immobilized Pseudonocardia sp. D17 on Lower 1,4-Dioxane Concentration. *Journal of Water and Environment Technology*, **2016**, 14, 289-301 | 1.1 | 13 |
| 90 | Isolation and Characterization of Bacteria Capable of Reducing Tellurium Oxyanions to Insoluble Elemental Tellurium for Tellurium Recovery from Wastewater. *Waste and Biomass Valorization*, **2012**, 3, 409-418 | 3.2 | 13 |
| 89 | Accelerated degradation of a variety of aromatic compounds by Spirodela polyrrhiza-bacterial associations and contribution of root exudates released from S. polyrrhiza. *Journal of Environmental Sciences*, **2010**, 22, 494-9 | 6.4 | 12 |

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| 88 | Removal of selenite from artificial wastewater with high salinity by activated sludge in aerobic sequencing batch reactors. *Journal of Bioscience and Bioengineering*, **2019**, 127, 618-624 | 3.3 | 12 |
| 87 | Characterization of the genes involved in nitrogen cycling in wastewater treatment plants using DNA microarray and most probable number-PCR. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 1 | 5.8 | 11 |
| 86 | Kinetics of bisphenol A degradation by Sphingomonas paucimobilis FJ-4. *Journal of Bioscience and Bioengineering*, **2016**, 122, 341-4 | 3.3 | 11 |
| 85 | Community dynamics of duckweed-associated bacteria upon inoculation of plant growth-promoting bacteria. *FEMS Microbiology Ecology*, **2020**, 96, | 4.3 | 10 |
| 84 | High methane production potential of activated sludge accumulating polyhydroxyalkanoates in anaerobic digestion. *Biochemical Engineering Journal*, **2016**, 114, 283-287 | 4.2 | 10 |
| 83 | Enhancement of Au Dissolution by Microorganisms Using an Accelerating Cathode Reaction. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2009**, 40, 39-44 | 2.5 | 9 |
| 82 | Occurrence and distribution of estrogenic chemicals in river waters of Malaysia. *Toxicology and Environmental Health Sciences*, **2020**, 12, 65-74 | 1.9 | 8 |
| 81 | Biological removal of selenate in saline wastewater by activated sludge under alternating anoxic/oxic conditions. *Frontiers of Environmental Science and Engineering*, **2019**, 13, 1 | 5.8 | 8 |
| 80 | Energy Content of Organics in Municipal Wastewater Treatment Streams at Tsumori Wastewater Treatment Plant. *Journal of Water and Environment Technology*, **2015**, 13, 89-97 | 1.1 | 8 |
| 79 | Characterization of Novel 4□Butylphenol□Degrading Pseudomonas veronii Strains Isolated from Rhizosphere of Giant Duckweed, Spirodela polyrrhiza. *Japanese Journal of Water Treatment Biology*, **2009**, 45, 83-92 | 0.2 | 8 |
| 78 | Performance of plant growth-promoting bacterium of duckweed under different kinds of abiotic stress factors. *Biocatalysis and Agricultural Biotechnology*, **2019**, 19, 101146 | 4.2 | 7 |
| 77 | Draft Genome Sequence of Strain H3, a Plant Growth-Promoting Bacterium of Duckweed (). *Genome Announcements*, **2017**, 5, | | 7 |
| 76 | Performance of Lab-Scale Membrane Bioreactor for Leachate from Go Cat Landfill in Ho Chi Minh City, Vietnam. *Japanese Journal of Water Treatment Biology*, **2007**, 43, 43-49 | 0.2 | 7 |
| 75 | Isolation and Characterization of Facultative-Anaerobic Antimonate-Reducing Bacteria. *Microorganisms*, **2020**, 8, | 4.9 | 7 |
| 74 | Stimulatory and inhibitory effects of metals on 1,4-dioxane degradation by four different 1,4-dioxane-degrading bacteria. *Chemosphere*, **2020**, 238, 124606 | 8.4 | 7 |
| 73 | Comparative Evaluation of Quantitative Polymerase Chain Reaction Methods for Routine Enumeration of Specific Bacterial DNA in Aquatic Samples. *World Journal of Microbiology and Biotechnology*, **2005**, 21, 1029-1035 | 4.4 | 6 |
| 72 | Decolorization of Heat Treatment Liquor of Waste Sludge by the White Rot Fungus Coriolus hirsutus.. *Japanese Journal of Water Treatment Biology*, **1997**, 33, 35-45 | 0.2 | 6 |
| 71 | Microbial antimonate reduction and removal potentials in river sediments. *Chemosphere*, **2021**, 266, 129192 | 8.4 | 6 |

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| 70 | Field Test of On-Site Treatment of 1,4-Dioxane-Contaminated Groundwater Using Pseudonocardia sp. D17. *Journal of Water and Environment Technology*, **2018**, 16, 256-268 | 1.1 | 6 |
| 69 | Nitrogen-Cycling Functional Genes in Brackish and Freshwater Sediments in Yodo River in Japan. *Journal of Water and Environment Technology*, **2019**, 17, 109-116 | 1.1 | 5 |
| 68 | Microbial Communities on the Submerged Membranes in Full-Scale Membrane Bioreactors Treating Municipal Wastewater. *Journal of Environmental Engineering, ASCE*, **2018**, 144, 04017084 | 2 | 5 |
| 67 | Ethanol Production from Vegetative Fronds and Turions of Wolffia arrhiza. *Japanese Journal of Water Treatment Biology*, **2014**, 50, 133-140 | 0.2 | 5 |
| 66 | Novel Plant-Associated Promotes Growth of Common Floating Aquatic Plants, Duckweeds. *Microorganisms*, **2021**, 9, | 4.9 | 5 |
| 65 | Draft Genome Sequence of Bacillus selenatarsenatis SF-1T, a Promising Agent for Bioremediation of Environments Contaminated with Selenium and Arsenic. *Genome Announcements*, **2015**, 3, | | 4 |
| 64 | Detection of retinoic acid receptor antagonist contamination in the aquatic environment of the Kinki region of Japan. *Water Research*, **2016**, 103, 58-65 | 12.5 | 4 |
| 63 | Changes in bacterial community structure in a full-scale membrane bioreactor for municipal wastewater treatment. *Journal of Bioscience and Bioengineering*, **2016**, 122, 97-104 | 3.3 | 4 |
| 62 | Rapid enrichment of polyhydroxyalkanoate-accumulating bacteria by the aerobic dynamic discharge process: Enrichment effectiveness, polyhydroxyalkanoate accumulation ability, and bacterial community characteristics in comparison with the aerobic dynamic feeding process. *Bioresource Technology Reports*, **2019**, 7, 100276 | 4.1 | 4 |
| 61 | Bacterial community succession during the enrichment of chemolithoautotrophic arsenite oxidizing bacteria at high arsenic concentrations. *Journal of Environmental Sciences*, **2012**, 24, 2133-40 | 6.4 | 4 |
| 60 | Characterization of arsenate-, selenate- and nitrate-reducing activities in Bacillus sp. SF-1. *Japanese Journal of Water Treatment Biology*, **2004**, 40, 161-168 | 0.2 | 4 |
| 59 | Effects of Operational Conditions on Treatment Performances of Single-Stage Nitrogen Removal using Anammox and Partial Nitritation (SNAP) Process. *Japanese Journal of Water Treatment Biology*, **2013**, 49, 133-142 | 0.2 | 4 |
| 58 | Factors affecting antimonate bioreduction by sp. AR-2 and sp. AR-3. *3 Biotech*, **2021**, 11, 163 | 2.8 | 4 |
| 57 | Degradation of sec-hexylbenzene and its metabolites by a biofilm-forming yeast Trichosporon asahii B1 isolated from oil-contaminated sediments in Quangninh coastal zone, Vietnam. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2016**, 51, 267-75 | 2.3 | 4 |
| 56 | Carbon sources that enable enrichment of 1,4-dioxane-degrading bacteria in landfill leachate. *Biodegradation*, **2020**, 31, 23-34 | 4.1 | 4 |
| 55 | Biosynthesis of bismuth selenide nanoparticles using chalcogen-metabolizing bacteria. *Applied Microbiology and Biotechnology*, **2019**, 103, 8853-8861 | 5.7 | 3 |
| 54 | Draft Genome Sequence of sp. Strain N23, a 1,4-Dioxane-Degrading Bacterium. *Genome Announcements*, **2017**, 5, | | 3 |
| 53 | Degradation Pathway of Bisphenol S by Sphingobium fuliginis OMI and Removal Properties of Metabolites by Activated Sludge. *Journal of Japan Society on Water Environment*, **2015**, 38, 139-147 | 0.2 | 3 |

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| 52 | Characterization of Microbial Community in Membrane Bioreactors Treating Domestic Wastewater. *Journal of Water and Environment Technology*, **2014**, 12, 99-107 | 1.1 | 3 |
| 51 | Development of a whole community genome amplification-assisted DNA microarray method to detect functional genes involved in the nitrogen cycle. *World Journal of Microbiology and Biotechnology*, **2014**, 30, 2907-15 | 4.4 | 3 |
| 50 | Genome-wide identification of bacterial colonization and fitness determinants on the floating macrophyte, duckweed.. *Communications Biology*, **2022**, 5, 68 | 6.7 | 3 |
| 49 | Synthetic Bacterial Community of Duckweed: A Simple and Stable System to Study Plant-microbe Interactions. *Microbes and Environments*, **2020**, 35, | 2.6 | 3 |
| 48 | Isolation and Characterization of a Floc-Forming Bacterium Sphingomonas paucimobilis 551 from Activated Sludge.. *Japanese Journal of Water Treatment Biology*, **1998**, 34, 195-204 | 0.2 | 3 |
| 47 | Screening of Bacteria Capable of Producing Bioflocculants from Acetic and Propionic Acids.. *Japanese Journal of Water Treatment Biology*, **2000**, 36, 183-192 | 0.2 | 3 |
| 46 | Development and Characterization of a Chloroethenes-Dechlorinating Consortium Using Gluconate as a Hydrogen Donor. *Journal of Water and Environment Technology*, **2020**, 18, 212-225 | 1.1 | 3 |
| 45 | Selenium Removal from Sewage Sludge Ash by Chemical Extraction and Microbial Reduction. *Journal of Environmental Conservation Engineering*, **2014**, 43, 96-101 | 0 | 3 |
| 44 | Treatment of 1,4-dioxane-containing water using carriers immobilized with indigenous microorganisms in landfill leachate treatment sludge: A laboratory-scale reactor study. *Journal of Hazardous Materials*, **2021**, 414, 125497 | 12.8 | 3 |
| 43 | Startup of Lab-scale Anammox Reactors Seeded with Activated Sludge at Ambient Temperature. *Japanese Journal of Water Treatment Biology*, **2016**, 52, 73-83 | 0.2 | 3 |
| 42 | Potential for Enhanced Degradation and Removal of Various Bisphenols by Interaction between Common Reed (Phragmites australis) and Microorganisms. *Journal of Water and Environment Technology*, **2021**, 19, 13-23 | 1.1 | 3 |
| 41 | Biomass Production and Nutrient Removal through Cultivation of Euglena gracilis in Domestic Wastewater. *Japanese Journal of Water Treatment Biology*, **2018**, 54, 105-113 | 0.2 | 3 |
| 40 | Draft Genome Sequence of Pseudomonas aeruginosa Strain RB, a Bacterium Capable of Synthesizing Cadmium Selenide Nanoparticles. *Genome Announcements*, **2014**, 2, | | 2 |
| 39 | Long-term Performance and Community Analysis of Spirodela Polyrrhiza-bacteria Association Treating Phenol-contaminated Water. *Journal of Water and Environment Technology*, **2010**, 8, 239-250 | 1.1 | 2 |
| 38 | Metabolitic Pathway of Bisphenol a by Pseudomonas paucimobilis Strain FJ-4.. *Japanese Journal of Water Treatment Biology*, **1996**, 32, 199-210 | 0.2 | 2 |
| 37 | Bioprocess Approaches for the Removal of Selenium from Industrial Waste and Wastewater by Pseudomonas stutzeri NT-I **2017**, 57-73 | | 2 |
| 36 | Coordination of leaf economics traits within the family of the world‘s fastest growing plants (Lemnaceae). *Journal of Ecology*, **2021**, 109, 2950-2962 | 6 | 2 |
| 35 | Complete Genome Sequences of Two Plant Growth-Inhibiting Bacteria, Acinetobacter ursingii M3 and Asticcacaulis excentricus M6, Isolated from Duckweed (Lemna minor). *Microbiology Resource Announcements*, **2018**, 7, | 1.3 | 2 |

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| 34 | Optimization of aerobic dynamic discharge process for very rapid enrichment of polyhydroxyalkanoates-accumulating bacteria from activated sludge. *Bioresource Technology*, **2021**, 336, 125314 | 11 | 2 |
| 33 | Temperature dependence of sequential chlorinated ethenes dechlorination and the dynamics of dechlorinating microorganisms. *Chemosphere*, **2022**, 287, 131989 | 8.4 | 2 |
| 32 | Microbial Removal and Recovery of Metals from Wastewater **2017**, 573-595 | | 1 |
| 31 | Microalgal transformation of food processing byproducts into functional food ingredients. *Bioresource Technology*, **2022**, 344, 126324 | 11 | 1 |
| 30 | Distribution of Bacterial Plasmids in an Activated Sludge Plant.. *Japanese Journal of Water Treatment Biology*, **1994**, 30, 65-71 | 0.2 | 1 |
| 29 | Biodegradation of Three Phthalic Acid Esters by Microorganisms from Aquatic Environment. *Japanese Journal of Water Treatment Biology*, **2005**, 41, 193-201 | 0.2 | 1 |
| 28 | The Role of Compost Pile Turning for Improving Performance of Composting. *Japanese Journal of Water Treatment Biology*, **2008**, 44, 21-28 | 0.2 | 1 |
| 27 | Multiple Detection of Occurrence of Bacterial Pathogens in Two Rivers in the Kinki District of Japan with a DNA Microarray. *Japanese Journal of Water Treatment Biology*, **2009**, 45, 31-43 | 0.2 | 1 |
| 26 | Effects of Gel-immobilization Conditions of 1,4-dioxane-degradading Bacterium, Pseudonocardia sp. strain D17, and Storage on the Treatment Performance. *Japanese Journal of Water Treatment Biology*, **2015**, 51, 83-93 | 0.2 | 1 |
| 25 | Possibility of Simultaneous Anammox and Denitrification as an Advanced Nitrogen Removal Process. *Journal of Environmental Conservation Engineering*, **2014**, 43, 293-300 | 0 | 1 |
| 24 | Effect of Heating Patterns on Inactivation and Regrowth Potential of Bacterial Indicator Organisms in Simulation of Composting. *Japanese Journal of Water Treatment Biology*, **2003**, 39, 131-138 | 0.2 | 1 |
| 23 | Evaluation of Biodegradation Potential of Bisphenol A and Bisphenol F in Seawater. *Japanese Journal of Water Treatment Biology*, **2010**, 46, 137-144 | 0.2 | 1 |
| 22 | Potential of waste activated sludge to accumulate polyhydroxyalkanoates and glycogen using industrial wastewater/liquid wastes as substrates. *Water Science and Technology*, **2019**, 80, 2373-2380 | 2.2 | 1 |
| 21 | Historical Trends of Academic Research on the Water Environment in Japan: Evidence from the Academic Literature in the Past 50 Years. *Water (Switzerland)*, **2018**, 10, 1456 | 3 | 1 |
| 20 | Effects of selection and compiling strategy of substrates in column-type vertical-flow constructed wetlands on the treatment of synthetic landfill leachate containing bisphenol A. *Water Science and Technology*, **2021**, 84, 1428-1437 | 2.2 | 1 |
| 19 | Technologies to Remove Selenium from Water and Wastewater. *Environmental Chemistry for A Sustainable World*, **2021**, 207-304 | 0.8 | 1 |
| 18 | Methods for selenium removal from contaminated waters: a review. *Environmental Chemistry Letters*,1 | 13.3 | 1 |
| 17 | Whole structures, core taxa, and functional properties of duckweed microbiomes. *Bioresource Technology Reports*, **2022**, 18, 101060 | 4.1 | 1 |

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| 16 | Draft Genome Sequence of Strain F-183.. *Microbiology Resource Announcements*, **2022**, 11, e0045321 | 1.3 | 0 |
| 15 | Effect of nitrogen, phosphorus, and sulfur on the start-up of a biological 1,4-dioxane removal process using Pseudonocardia sp. D17. *Biochemical Engineering Journal*, **2021**, 176, 108179 | 4.2 | 0 |
| 14 | Complete Genome Sequence of sp. Strain TBR-22.. *Microbiology Resource Announcements*, **2022**, 11, e0045521 | 1.3 | 0 |
| 13 | Bioaugmenting a Lab-Scale Membrane Bioreactor with 4-tert-butylphenol-degrading Bacterium, Sphingobium fuliginis OMI. *Japanese Journal of Water Treatment Biology*, **2018**, 54, 1-12 | 0.2 | |
| 12 | Model-based Evaluation of Effects of Temperature on Nitrogen Removal in Low- and Moderate-temperature Type Anammox Reactors. *Japanese Journal of Water Treatment Biology*, **2017**, 53, 69-79 | 0.2 | |
| 11 | Effects of External Organics on Growth and Turion Formation of Rootless Duckweed Wolffia arrhiza. *Japanese Journal of Water Treatment Biology*, **2015**, 51, 29-35 | 0.2 | |
| 10 | Screening of Anaerobic Ammonium Oxidation(Anammox) Potentials in Biomass from a Variety of Watewater Treatment Processes.. *Japanese Journal of Water Treatment Biology*, **2001**, 37, 151-159 | 0.2 | |
| 9 | Effect of Step Feed Ratio and Temperature on Nitrogen Removal in an Anoxic-Oxic Activated Sludge Process.. *Japanese Journal of Water Treatment Biology*, **2001**, 37, 19-27 | 0.2 | |
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