

Hirotsugu Fujitani

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Nitrite oxidation kinetics of two <i>Nitrospira</i> strains: The quest for competition and ecological niche differentiation. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 581-589. | 2.2 | 99 |
| 2 | Isolation of <i>Nitrospira</i> belonging to Sublineage II from a Wastewater Treatment Plant. <i>Microbes and Environments</i> , 2013, 28, 346-353. | 1.6 | 81 |
| 3 | Isolation of sublineage <i>Nitrospira</i> by a novel cultivation strategy. <i>Environmental Microbiology</i> , 2014, 16, 3030-3040. | 3.8 | 59 |
| 4 | Selective isolation of ammonia-oxidizing bacteria from autotrophic nitrifying granules by applying cell-sorting and sub-culturing of microcolonies. <i>Frontiers in Microbiology</i> , 2015, 6, 1159. | 3.5 | 46 |
| 5 | Enrichment and Physiological Characterization of a Cold-Adapted Nitrite-Oxidizing <i>Nitrotoga</i> sp. from an Eelgrass Sediment. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 3.1 | 40 |
| 6 | Genomic Analysis of Two Phylogenetically Distinct <i>Nitrospira</i> Species Reveals Their Genomic Plasticity and Functional Diversity. <i>Frontiers in Microbiology</i> , 2017, 8, 2637. | 3.5 | 40 |
| 7 | Enrichment of Comammox and Nitrite-Oxidizing <i>Nitrospira</i> From Acidic Soils. <i>Frontiers in Microbiology</i> , 2020, 11, 1737. | 3.5 | 38 |
| 8 | Selective Enrichment of Two Different Types of <i>Nitrospira</i> -like Nitrite-oxidizing Bacteria from a Wastewater Treatment Plant. <i>Microbes and Environments</i> , 2013, 28, 236-243. | 1.6 | 34 |
| 9 | Detection and Diversity of the Nitrite Oxidoreductase Alpha Subunit (<i>nrxA</i>) Gene of <i>Nitrospira</i> in Marine Sediments. <i>Microbial Ecology</i> , 2017, 73, 111-122. | 2.8 | 27 |
| 10 | Ecophysiology and Comparative Genomics of <i>Nitrosomonas mobilis</i> Ms1 Isolated from Autotrophic Nitrifying Granules of Wastewater Treatment Bioreactor. <i>Frontiers in Microbiology</i> , 2016, 7, 1869. | 3.5 | 26 |
| 11 | Physiological and genomic characterization of a new <i>Nitrotoga</i> isolate. <i>Environmental Microbiology</i> , 2020, 22, 2365-2382. | 3.8 | 26 |
| 12 | A rapid collection of yet unknown ammonia oxidizers in pure culture from activated sludge. <i>Water Research</i> , 2017, 108, 169-178. | 11.3 | 24 |
| 13 | Successful enrichment of low-abundant comammox <i>Nitrospira</i> from nitrifying granules under ammonia-limited conditions. <i>FEMS Microbiology Letters</i> , 2020, 367, . | 1.8 | 19 |
| 14 | Physical enrichment of uncultured <i>Accumulibacter</i> and <i>Nitrospira</i> from activated sludge by unlabeled cell sorting technique. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 475-481. | 2.2 | 14 |
| 15 | Genomic and Physiological Characteristics of a Novel Nitrite-Oxidizing <i>Nitrospira</i> Strain Isolated From a Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2020, 11, 545190. | 3.5 | 12 |
| 16 | Microdroplet-based system for culturing of environmental microorganisms using FNAP-sort. <i>Scientific Reports</i> , 2021, 11, 9506. | 3.3 | 12 |
| 17 | Seabird-affected taluses are denitrification hotspots and potential N ₂ O emitters in the High Arctic. <i>Scientific Reports</i> , 2018, 8, 17261. | 3.3 | 8 |
| 18 | Nitrogen and Oxygen Isotope Signatures of Nitrogen Compounds during Anammox in the Laboratory and a Wastewater Treatment Plant. <i>Microbes and Environments</i> , 2020, 35, n/a. | 1.6 | 7 |

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|----|---|-----|-----------|
| 19 | Draft Genome Sequence of <i>Acidovorax</i> sp. Strain NB1, Isolated from a Nitrite-Oxidizing Enrichment Culture. <i>Microbiology Resource Announcements</i> , 2019, 8, . | 0.6 | 6 |
| 20 | MazF Endoribonucleolytic Toxin Conserved in <i>Nitrospira</i> Specifically Cleaves the AACU, AACG, and AAUU Motifs. <i>Toxins</i> , 2020, 12, 287. | 3.4 | 5 |
| 21 | Transcriptome Analysis of the Ammonia-Oxidizing Bacterium <i>Nitrosomonas mobilis</i> ; Ms1 Reveals Division of Labor between Aggregates and Free-living Cells. <i>Microbes and Environments</i> , 2020, 35, n/a. | 1.6 | 5 |