

Tsukasa Ito

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,028
citations

257450

24
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional bacterial and archaeal community structures of major trophic groups in a full-scale anaerobic sludge digester. <i>Water Research</i> , 2007, 41, 1554-1568.	11.3	450
2	Ecophysiological Interaction between Nitrifying Bacteria and Heterotrophic Bacteria in Autotrophic Nitrifying Biofilms as Determined by Microautoradiography-Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1641-1650.	3.1	323
3	Succession of Sulfur-Oxidizing Bacteria in the Microbial Community on Corroding Concrete in Sewer Systems. <i>Applied and Environmental Microbiology</i> , 2007, 73, 971-980.	3.1	277
4	Bacterial community structures in MBRs treating municipal wastewater: Relationship between community stability and reactor performance. <i>Water Research</i> , 2007, 41, 627-637.	11.3	208
5	Quantification of host-specific <i>Bacteroides</i> "Prevotella 16S rRNA genetic markers for assessment of fecal pollution in freshwater. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 890-901.	3.6	173
6	Fate of 14 C-Labeled Microbial Products Derived from Nitrifying Bacteria in Autotrophic Nitrifying Biofilms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3987-3994.	3.1	155
7	Long-term natural remediation process in textile dye-polluted river sediment driven by bacterial community changes. <i>Water Research</i> , 2016, 100, 458-465.	11.3	141
8	Microbial community structures and in situ sulfate-reducing and sulfur-oxidizing activities in biofilms developed on mortar specimens in a corroded sewer system. <i>Water Research</i> , 2009, 43, 4729-4739.	11.3	124
9	Identification of a novel acetate-utilizing bacterium belonging to <i>Synergistes</i> group 4 in anaerobic digester sludge. <i>ISME Journal</i> , 2011, 5, 1844-1856.	9.8	121
10	Phylogenetic Identification and Substrate Uptake Patterns of Sulfate-Reducing Bacteria Inhabiting an Oxic-Anoxic Sewer Biofilm Determined by Combining Microautoradiography and Fluorescent In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2002, 68, 356-364.	3.1	112
11	Successional Development of Sulfate-Reducing Bacterial Populations and Their Activities in a Wastewater Biofilm Growing under Microaerophilic Conditions. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1392-1402.	3.1	98
12	Phylogenetic and functional diversity of propionate-oxidizing bacteria in an anaerobic digester sludge. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 673-683.	3.6	79
13	Population dynamics and in situ kinetics of nitrifying bacteria in autotrophic nitrifying biofilms as determined by real-time quantitative PCR. <i>Biotechnology and Bioengineering</i> , 2006, 94, 1111-1121.	3.3	76
14	Succession of Internal Sulfur Cycles and Sulfur-Oxidizing Bacterial Communities in Microaerophilic Wastewater Biofilms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2520-2529.	3.1	71
15	Identification and quantification of key microbial trophic groups of methanogenic glucose degradation in an anaerobic digester sludge. <i>Bioresource Technology</i> , 2012, 123, 599-607.	9.6	69
16	Analysis of size distribution and areal cell density of ammonia-oxidizing bacterial microcolonies in relation to substrate microprofiles in biofilms. <i>Biotechnology and Bioengineering</i> , 2004, 85, 86-95.	3.3	62
17	<i>Thiovirga sulfuroxydans</i> gen. nov., sp. nov., a chemolithoautotrophic sulfur-oxidizing bacterium isolated from a microaerobic waste-water biofilm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1059-1064.	1.7	62
18	MAR-FISH-An Ecophysiological Approach to Link Phylogenetic Affiliation and In Situ Metabolic Activity of Microorganisms at a Single-Cell Resolution. <i>Microbes and Environments</i> , 2004, 19, 83-98.	1.6	52

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19	Sulfate-reducing bacterial community structure and their contribution to carbon mineralization in a wastewater biofilm growing under microaerophilic conditions. <i>Applied Microbiology and Biotechnology</i> , 2003, 63, 322-334.	3.6	50
20	Community structures and activities of nitrifying and denitrifying bacteria in industrial wastewater-treating biofilms. <i>Biotechnology and Bioengineering</i> , 2006, 94, 762-772.	3.3	49
21	Application of a direct fluorescence-based live/dead staining combined with fluorescence in situ hybridization for assessment of survival rate of <i>Bacteroides</i> spp. in drinking water. <i>Biotechnology and Bioengineering</i> , 2005, 92, 356-363.	3.3	42
22	Development and characterization of the partial nitrification aerobic granules in a sequencing batch airlift reactor. <i>Bioresource Technology</i> , 2013, 139, 285-291.	9.6	39
23	Suppression of cadmium uptake in rice using fermented bark as a soil amendment. <i>Chemosphere</i> , 2016, 148, 487-494.	8.2	39
24	Isolation, Characterization, and In Situ Detection of a Novel Chemolithoautotrophic Sulfur-Oxidizing Bacterium in Wastewater Biofilms Growing under Microaerophilic Conditions. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3122-3129.	3.1	32
25	Potential use of bacteria collected from human hands for textile dye decolorization. <i>Water Resources and Industry</i> , 2018, 20, 46-53.	3.9	24
26	Photodecomposition of humic acid and natural organic matter in swamp water using a TiO ₂ -coated ceramic foam filter: Potential for the formation of disinfection byproducts. <i>Chemosphere</i> , 2013, 90, 1359-1365.	8.2	19
27	Ecophysiology of Uncultured Filamentous Anaerobes Belonging to the Phylum KSB3 That Cause Bulking in Methanogenic Granular Sludge. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2081-2087.	3.1	18
28	Microbial Community Structure and Enumeration of <i>Bacillus</i> species in Activated Sludge. <i>Journal of Water and Environment Technology</i> , 2017, 15, 233-240.	0.7	18
29	Diversity and abundance of denitrifying bacteria in a simultaneously nitrifying and denitrifying rotating biological contactor treating real wastewater at low temperatures. <i>H₂Open Journal</i> , 2019, 2, 58-70.	1.7	13
30	Microbubble Application to Enhance Hydrogenotrophic Denitrification for Groundwater Treatment. <i>Environment and Natural Resources Journal</i> , 2020, 18, 156-165.	0.7	13
31	Characterization of microbial community structures and their activities in single anaerobic granules by beta imaging, microsensors and fluorescence in situ hybridization. <i>Water Science and Technology</i> , 2012, 65, 2125-2131.	2.5	7
32	Color-Removal by Microorganisms Isolated from Human Hands. <i>Journal of Microbiology and Biology Education</i> , 2013, 14, 244-247.	1.0	4
33	Growth reduction of <i>Microcystis aeruginosa</i> by clay ball elution solution. <i>Applied Clay Science</i> , 2018, 162, 223-229.	5.2	3
34	ANALYSIS OF MICROBIAL COMMUNITY STRUCTURE AND IN SITU ACTIVITY OF NITRIFYING BIOFILMS. <i>Journal of Water and Environment Technology</i> , 2004, 2, 65-74.	0.7	2
35	Microbial Communities and Nitrogen-Utilizing Bacteria of Rotating Biological Contactors and Activated Sludge Treating Public Sewage and Night Soil/Johkasou Sludge. <i>Journal of Water and Environment Technology</i> , 2021, 19, 109-119.	0.7	2
36	The diversity of active microbial groups in an activated sludge process treating painting process wastewater. <i>E3S Web of Conferences</i> , 2020, 148, 01002.	0.5	1

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37	Recent Progress in Cutting-edge Monitoring Tools for Microbiomes in Engineered Systems. Journal of Japan Society on Water Environment, 2022, 45, 91-105.	0.4	0
38	A Minority Population of Non-dye-decolorizing <i>Bacillus subtilis</i> enhances the Azo Dye-decolorizing Activity of <i>Enterococcus faecalis</i> . Microbes and Environments, 2022, 37, n/a.	1.6	0