

Nobuyasu Yamaguchi

List of Publications by Year in descending order

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67
papers

1,804
citations

304743

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276875

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68
docs citations

68
times ranked

2212
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#	ARTICLE	IF	CITATIONS
1	Microfluidic rapid quantification of <i>Salmonella enterica</i> serovar Typhimurium collected from chicken meat using immunomagnetic separation after formaldehyde treatment. <i>International Journal of Food Science and Technology</i> , 2021, 56, 5402-5408.	2.7	3
2	Characterization of FRI carbapenemase-producing <i>Enterobacter</i> spp. isolated from a hospital and the environment in Osaka, Japan. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 3061-3062.	3.0	8
3	Rapid quantification of <i>Escherichia coli</i> O157 : H7 in lettuce and beef using an on-chip staining microfluidic device. <i>Journal of Food Safety</i> , 2020, 40, e12851.	2.3	1
4	Rapid On-Site Monitoring of Bacteria in Freshwater Environments Using a Portable Microfluidic Counting System. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 87-92.	1.4	13
5	Rapid Quantification of <i>Escherichia coli</i> in Potable Water by Fluorescence In Situ Hybridization Performed in Liquid (liq-FISH) and a Microfluidic System. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	2
6	Rapid On-Site Detection and Quantification of Foodborne Pathogens Using Microfluidic Devices. <i>Methods in Molecular Biology</i> , 2019, 1918, 57-66.	0.9	0
7	Effects of Asian dust events on atmospheric bacterial communities at different distances downwind of the source region. <i>Journal of Environmental Sciences</i> , 2018, 72, 133-139.	6.1	13
8	Rapid on-site monitoring of <i>Legionella pneumophila</i> in cooling tower water using a portable microfluidic system. <i>Scientific Reports</i> , 2017, 7, 3092.	3.3	27
9	Investigation of bacterial effects of Asian dust events through comparison with seasonal variability in outdoor airborne bacterial community. <i>Scientific Reports</i> , 2016, 6, 35706.	3.3	29
10	Four-year bacterial monitoring in the International Space Stationâs Japanese Experiment Module âKiboâ with culture-independent approach. <i>Npj Microgravity</i> , 2016, 2, 16007.	3.7	69
11	Expression of <i>gyrB</i> and 16S Ribosomal RNA Genes as Indicators of Growth and Physiological Activities of <i>Legionella pneumophila</i> . <i>Biocontrol Science</i> , 2015, 20, 67-70.	0.8	3
12	Bacterial Monitoring in the International Space Station âKiboâ. <i>Journal of Disaster Research</i> , 2015, 10, 1035-1039.	0.7	1
13	Transformation Frequency of <i>Escherichia coli</i> HB101 under Low-Shear Modeled Microgravity. <i>Uchu Seibutsu Kagaku</i> , 2015, 29, 19-23.	0.3	0
14	Microbes and Crewed Space Habitat. <i>Journal of Disaster Research</i> , 2015, 10, 1022-1024.	0.7	0
15	Distribution and Respiratory Activity of Mycobacteria in Household Water System of Healthy Volunteers in Japan. <i>PLoS ONE</i> , 2014, 9, e110554.	2.5	15
16	Asian Dust Particles Induce Macrophage Inflammatory Responses via Mitogen-Activated Protein Kinase Activation and Reactive Oxygen Species Production. <i>Journal of Immunology Research</i> , 2014, 2014, 1-9.	2.2	15
17	Microbial Monitoring of Crewed Habitats in Spaceâs Current Status and Future Perspectives. <i>Microbes and Environments</i> , 2014, 29, 250-260.	1.6	89
18	Long-range Transportation of Bacterial Cells by Asian Dust. <i>Genes and Environment</i> , 2014, 36, 145-151.	2.1	4

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19	Microchip-Based Terminal Restriction Fragment Length Polymorphism for On-Site Analysis of Bacterial Communities in Freshwater. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1305-1309.	1.4	5
20	Bacterial Monitoring with Adhesive Sheet in the International Space Station-â€œKiboâ€œ, the Japanese Experiment Module. <i>Microbes and Environments</i> , 2013, 28, 264-268.	1.6	17
21	Global dispersion of bacterial cells on Asian dust. <i>Scientific Reports</i> , 2012, 2, 525.	3.3	174
22	Rapid Enumeration of Active <i>>Legionella pneumophila</i> in Freshwater Environments by the Microcolony Method Combined with Direct Fluorescent Antibody Staining. <i>Microbes and Environments</i> , 2012, 27, 324-326.	1.6	7
23	Selective enumeration of viable Enterobacteriaceae and Pseudomonas spp. in milk within 7h by multicolor fluorescence in situ hybridization following microcolony formation. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 746-750.	2.2	15
24	Rapid enumeration of low numbers of moulds in tea based drinks using an automated system. <i>International Journal of Food Microbiology</i> , 2011, 145, 365-369.	4.7	11
25	Environmental disease: environmental alteration and infectious disease. <i>Ecological Research</i> , 2011, 26, 893-896.	1.5	6
26	Rapid, Semiautomated Quantification of Bacterial Cells in Freshwater by Using a Microfluidic Device for On-Chip Staining and Counting. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1536-1539.	3.1	42
27	Oligonucleotide Probes for Phylogenetic Detection of Waterborne Bacteria. <i>Journal of Health Science</i> , 2010, 56, 321-325.	0.9	4
28	Bacterial Population Dynamics in a Reverse-Osmosis Water Purification System Determined by Fluorescent Staining and PCR-Denaturing Gradient Gel Electrophoresis. <i>Microbes and Environments</i> , 2009, 24, 163-167.	1.6	20
29	Staphylococcus epidermidis Forms Floating Micro-colonies in Platelet Concentrates at the Early Stage of Contamination. <i>Journal of Health Science</i> , 2009, 55, 726-731.	0.9	5
30	Rapid On-chip flow Cytometric Detection of Listeria monocytogenes in Milk. <i>Journal of Health Science</i> , 2009, 55, 851-856.	0.9	14
31	16S rRNA Sequence-based Rapid and Sensitive Detection of Aquatic Bacteria by On-chip Hybridization Following Multiplex PCR. <i>Journal of Health Science</i> , 2008, 54, 123-128.	0.9	4
32	Stimulatory Effect of Glutamine and Pyruvate on Plasmid Transfer between Pseudomonas Strains. <i>Microbes and Environments</i> , 2007, 22, 320-326.	1.6	6
33	Rapid quantification of bacterial cells in potable water using a simplified microfluidic device. <i>Journal of Microbiological Methods</i> , 2007, 68, 643-647.	1.6	36
34	Rapid and automated enumeration of viable bacteria in compost using a micro-colony auto counting system. <i>Journal of Microbiological Methods</i> , 2007, 71, 1-6.	1.6	34
35	Simultaneous enumeration of viable Enterobacteriaceae and Pseudomonas spp. within three hours by multicolor fluorescence in situ hybridization with vital staining. <i>Journal of Microbiological Methods</i> , 2006, 65, 623-627.	1.6	11
36	Rapid and simple detection of food poisoning bacteria by bead assay with a microfluidic chip-based system. <i>Journal of Microbiological Methods</i> , 2006, 67, 241-247.	1.6	37

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37	Rapid and Accurate Determination of Bacterial Abundance and their Physiological Activity in Freshwater used in Closed Ecology Experiment Facilities (CEEFF) "Mini-Earth", Japan. , 2006, , .		0
38	Rapid Identification and Enumeration of Antibiotic Resistant Bacteria in Urban Canals by Microcolony-Fluorescence in Situ Hybridization. Journal of Health Science, 2006, 52, 703-710.	0.9	6
39	Detection of Food Poisoning Bacteria in Fresh Vegetables Using DNA Microarray. Journal of Health Science, 2006, 52, 36-42.	0.9	10
40	Rapid monitoring of bacteria in dialysis fluids by fluorescent vital staining and microcolony methods. Nephrology Dialysis Transplantation, 2006, 22, 612-616.	0.7	24
41	Quantitative Determination of Free-DNA Uptake in River Bacteria at the Single-Cell Level by In Situ Rolling-Circle Amplification. Applied and Environmental Microbiology, 2006, 72, 6248-6256.	3.1	18
42	A Combination of Direct Viable Counting, Fluorescence in situ Hybridization, and Green Fluorescent Protein Gene Expression for Estimating Plasmid Transfer at the Single Cell Level. Microbes and Environments, 2006, 21, 101-111.	1.6	6
43	Development of Phylogenetic Oligonucleotide Probes for Screening Foodborne Bacteria. Journal of Health Science, 2005, 51, 469-476.	0.9	6
44	Enumeration of Respiring Pseudomonas spp. in Milk within 6 Hours by Fluorescence In Situ Hybridization following Formazan Reduction. Applied and Environmental Microbiology, 2005, 71, 2748-2752.	3.1	24
45	Recognition of Individual Genes in Diverse Microorganisms by Cycling Primed In Situ Amplification. Applied and Environmental Microbiology, 2005, 71, 7236-7244.	3.1	23
46	rRNA Sequence-Based Scanning Electron Microscopic Detection of Bacteria. Applied and Environmental Microbiology, 2005, 71, 5523-5531.	3.1	27
47	Rapid and Simple Quantification of Bacterial Cells by Using a Microfluidic Device. Applied and Environmental Microbiology, 2005, 71, 1117-1121.	3.1	63
48	Simplified sample preparation using frame spotting method for direct counting of total bacteria by fluorescence microscopy. Journal of Microbiological Methods, 2004, 59, 427-431.	1.6	19
49	Rapid detection of respiring Escherichia coli O157:H7 in apple juice, milk, and ground beef by flow cytometry. Cytometry, 2003, 54A, 27-35.	1.8	88
50	Bacterial activity and community composition in stream water and biofilm from an urban river determined by fluorescent in situ hybridization and DGGE analysis. FEMS Microbiology Ecology, 2003, 43, 111-119.	2.7	190
51	Development of an adhesive sheet for direct counting of bacteria on solid surfaces. Journal of Microbiological Methods, 2003, 53, 405-410.	1.6	29
52	Detection of Bacteria Carrying the stx2 Gene by In Situ Loop-Mediated Isothermal Amplification. Applied and Environmental Microbiology, 2003, 69, 5023-5028.	3.1	135
53	Change in the Bacterial Community of Natural River Biofilm during Biodegradation of Aniline-Derived Compounds Determined by Denaturing Gradient Gel Electrophoresis. Journal of Health Science, 2003, 49, 379-385.	0.9	13
54	Bacterial activity and community composition in stream water and biofilm from an urban river determined by fluorescent in situ hybridization and DGGE analysis. FEMS Microbiology Ecology, 2003, 43, 111-119.	2.7	3

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55	16S Ribosomal DNA-Based Analysis of Bacterial Diversity in Purified Water Used in Pharmaceutical Manufacturing Processes by PCR and Denaturing Gradient Gel Electrophoresis. <i>Applied and Environmental Microbiology</i> , 2002, 68, 699-704.	3.1	106
56	Bacterial Community Composition and Activity in Urban Rivers in Thailand and Malaysia.. <i>Journal of Health Science</i> , 2001, 47, 353-361.	0.9	38
57	Improved Direct Viable Count Procedure for Quantitative Estimation of Bacterial Viability in Freshwater Environments. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5544-5548.	3.1	55
58	Bacterial Community Structure and Their Activity in Tropical Rivers Determined by Fluorescent Staining Methods.. <i>Journal of Japan Society on Water Environment</i> , 1999, 22, 1001-1004.	0.4	0
59	In Situ Analysis of Community Structure in Activated Sludge with 2-Hydroxy-3-Naphthoic Acid-2-Phenylanilide Phosphate and Fast Red TR In Situ Hybridization.. <i>Microbes and Environments</i> , 1999, 14, 1-8.	1.6	5
60	rRNA-targeted fluorescent in situ hybridization analysis of bacterial community structure in river water. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2085-2093.	1.8	95
61	Occurrence of <i>Escherichia coli</i> O157:H7 in river water determined by flow cytometry.. <i>Microbes and Environments</i> , 1998, 13, 77-83.	1.6	3
62	Biodegradation of Chemical Compounds in a Newly Developed Modified River Die-away Test.. <i>Japanese Journal of Toxicology and Environmental Health</i> , 1997, 43, 209-214.	0.1	5
63	Advances in Microbial Ecology in 1990'. From Viewpoint of Methodology.. <i>Microbes and Environments</i> , 1997, 12, 41-56.	1.6	1
64	Response of River Water Bacterial Communities to Aniline in Two Biodegradation Test Systems.. <i>Biocontrol Science</i> , 1997, 2, 79-86.	0.8	2
65	Rapid In Situ Enumeration of Physiologically Active Bacteria in River Waters using Fluorescent Probes.. <i>Microbes and Environments</i> , 1997, 12, 1-8.	1.6	43
66	Efficient transformation of <i>Marchantia polymorpha</i> that is haploid and has very small genome DNA. <i>Journal of Bioscience and Bioengineering</i> , 1997, 84, 519-523.	0.9	16
67	Estimation of Bacterial Biovolume and Biomass by Scanning Electron Microscopic Image Analysis.. <i>Microbes and Environments</i> , 1996, 11, 11-17.	1.6	7