

Hideaki Maseda

List of Publications by Year in descending order

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52
papers

1,674
citations

304743

22
h-index

289244

40
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52
all docs

52
docs citations

52
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of the <i>mexAB</i> - <i>oprM</i> Efflux Pump Expression by a Quorum-Sensing Autoinducer and Its Cancellation by a Regulator, MexT, of the <i>mexEF</i> - <i>oprN</i> Efflux Pump Operon in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1320-1328.	3.2	155
2	Variation of the <i>mexT</i> gene, a regulator of the MexEF-OprN efflux pump expression in wild-type strains of <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2000, 192, 107-112.	1.8	127
3	Assignment of the Substrate-Selective Subunits of the MexEF-OprN Multidrug Efflux Pump of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 658-664.	3.2	121
4	Quorum Sensing Regulates Denitrification in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Bacteriology</i> , 2007, 189, 4969-4972.	2.2	114
5	Hyper-inducible expression system for streptomycetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14031-14035.	7.1	109
6	Enzymatic pathway for biodegrading microcystin LR in <i>Sphingopyxis</i> sp. C-1. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 630-634.	2.2	92
7	Mutational Upregulation of a Resistance-Nodulation-Cell Division-Type Multidrug Efflux Pump, SdeAB, upon Exposure to a Biocide, Cetylpyridinium Chloride, and Antibiotic Resistance in <i>Serratia marcescens</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 5230-5235.	3.2	65
8	Characteristics of a Microcystin-Degrading Bacterium under Alkaline Environmental Conditions. <i>Journal of Toxicology</i> , 2009, 2009, 1-8.	3.0	61
9	Screening and analysis of DNA fragments that show promoter activities in <i>Thermus thermophilus</i> . <i>FEMS Microbiology Letters</i> , 1995, 128, 127-134.	1.8	58
10	Function of the Membrane Fusion Protein, MexA, of the MexA, B-OprM Efflux Pump in <i>Pseudomonas aeruginosa</i> without an Anchoring Membrane. <i>Journal of Biological Chemistry</i> , 2000, 275, 4628-4634.	3.4	58
11	An Elegant Means of Self-protection in Gram-negative Bacteria by Recognizing and Extruding Xenobiotics from the Periplasmic Space. <i>Journal of Biological Chemistry</i> , 2003, 278, 2085-2088.	3.4	57
12	Two routes of MexS-MexT-mediated regulation of MexEF-OprN and MexAB-OprM efflux pump expression in <i>Pseudomonas aeruginosa</i> . <i>Microbiology and Immunology</i> , 2013, 57, 263-272.	1.4	43
13	The Mode of the Antifungal Activity of Gemini-Pyridinium Salt against Yeast. <i>Biocontrol Science</i> , 2009, 14, 13-20.	0.8	41
14	How microcystin-degrading bacteria express microcystin degradation activity. <i>Lakes and Reservoirs: Research and Management</i> , 2011, 16, 169-178.	0.9	34
15	A Quorum-Sensing Autoinducer Enhances the <i>mexAB</i> - <i>oprM</i> Efflux Pump Expression without the MexR-Mediated Regulation in <i>Pseudomonas aeruginosa</i> . <i>Microbiology and Immunology</i> , 2004, 48, 435-439.	1.4	32
16	Analysis of Genes for Succinoyl Trehalose Lipid Production and Increasing Production in <i>Rhodococcus</i> sp. Strain SD-74. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7082-7090.	3.1	31
17	Molecular mechanism of MexR-mediated regulation of <i>mexAB</i> - <i>oprM</i> efflux pump expression in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2001, 195, 23-28.	1.8	29
18	Effects of levofloxacin exposure on sequencing batch reactor (SBR) behavior and microbial community changes. <i>Science of the Total Environment</i> , 2019, 672, 227-238.	8.0	29

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19	Whole-Genome Sequence of the Microcystin-Degrading Bacterium <i>Sphingopyxis</i> sp. Strain C-1. Genome Announcements, 2015, 3, .	0.8	25
20	A novel strategy to design latent ratiometric fluorescent pH probes based on self-assembled SNARF derivatives. RSC Advances, 2014, 4, 348-357.	3.6	24
21	Plasmid marker rescue transformation in <i>Thermus thermophilus</i> . Journal of Bioscience and Bioengineering, 1993, 76, 276-279.	0.9	23
22	Macrolide Antibiotic-Mediated Downregulation of MexAB-OprM Efflux Pump Expression in <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2008, 52, 4141-4144.	3.2	23
23	Transcriptional regulation of the mexEF-oprN multidrug efflux pump operon by MexT and an unidentified repressor in nfxC-type mutant of <i>Pseudomonas aeruginosa</i> . FEMS Microbiology Letters, 2010, 311, 36-43.	1.8	21
24	Trehalose suppresses antibody aggregation during the culture of Chinese hamster ovary cells. Journal of Bioscience and Bioengineering, 2014, 117, 632-638.	2.2	20
25	Development of expression vectors for <i>Thermus thermophilus</i> . Journal of Bioscience and Bioengineering, 1998, 86, 121-124.	0.9	19
26	Nucleotide sequence of the cryptic plasmid pTT8 from <i>Thermus thermophilus</i> HB8 and isolation and characterization of its high-copy-number mutant. Plasmid, 2004, 51, 227-237.	1.4	18
27	Action of Reactive Oxygen Species in the Antifungal Mechanism of Gemini-pyridinium Salts Against Yeast. Biocontrol Science, 2012, 17, 77-82.	0.8	18
28	Participation of Nitrite Reductase in Conversion of NO ₂ - to NO ₃ - in a Heterotrophic Nitrifier, <i>Burkholderia cepacia</i> NH-17, with Denitrification Activity.. Microbes and Environments, 2003, 18, 203-209.	1.6	16
29	Assignment of the outer-membrane-subunit-selective domain of the membrane fusion protein in the tripartite xenobiotic efflux pump of <i>Pseudomonas aeruginosa</i> . FEMS Microbiology Letters, 2006, 254, 101-107.	1.8	16
30	Mucin 3 is involved in intestinal epithelial cell apoptosis via N-(3-oxododecanoyl)-homoserine lactone-induced suppression of Akt phosphorylation. American Journal of Physiology - Cell Physiology, 2014, 307, C162-C168.	4.6	15
31	The outer membrane component of the multidrug efflux pump from <i>Pseudomonas aeruginosa</i> may be a gated channel. FEBS Journal, 2002, 269, 4738-4745.	0.2	14
32	Synergistic antimicrobial activity based on the combined use of a gemini-quaternary ammonium compound and ultraviolet-A light. Journal of Photochemistry and Photobiology B: Biology, 2014, 130, 226-233.	3.8	14
33	A novel assembly process of the multicomponent xenobiotic efflux pump in <i>Pseudomonas aeruginosa</i> . Molecular Microbiology, 2002, 46, 677-686.	2.5	13
34	High-level expression of a novel amine-synthesizing enzyme, N-substituted formamide deformylase, in <i>Streptomyces</i> with a strong protein expression system. Protein Expression and Purification, 2005, 40, 212-219.	1.3	13
35	Mutation in the <i>sdS</i> Gene Promotes Expression of the <i>sdA</i> Efflux Pump Genes and Multidrug Resistance in <i>Serratia marcescens</i> . Antimicrobial Agents and Chemotherapy, 2011, 55, 2922-2926.	3.2	13
36	Biochemical Characteristics of Microcystin LR Degradation by Typical Protease. Japanese Journal of Water Treatment Biology, 2006, 42, 27-35.	0.1	13

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37	Isolation of a low-molecular-weight, multicopy plasmid, pNHK101, from <i>Thermus</i> sp. TK10 and its use as an expression vector for <i>T. thermophilus</i> HB27. <i>Plasmid</i> , 2005, 54, 70-79.	1.4	12
38	Quantification of Microcystin-degrading Bacteria in a Biofilm from a Practical Biological Treatment Facility by Real-time PCR. <i>Journal of Water and Environment Technology</i> , 2010, 8, 193-201.	0.7	11
39	MlrA Located in the Inner Membrane Is Essential for Initial Degradation of Microcystin in <i>Sphingopyxis</i> sp. C1741. <i>Japanese Journal of Water Treatment Biology</i> , 2012, 48, 99-107.	0.1	11
40	Synthesis and Biological Activity of Thiazolyl-Acetic Acid Derivatives as Possible Antimicrobial Agents. <i>Biocontrol Science</i> , 2013, 18, 59-73.	0.8	10
41	Effect of Polyphenols on Reactive Oxygen Species Production and Cell Growth of Human Dermal Fibroblasts after Irradiation with Ultraviolet-A Light. <i>Biocontrol Science</i> , 2015, 20, 27-33.	0.8	10
42	Activity of ERK regulates mucin 3 expression and is involved in undifferentiated Caco-2 cell death induced by 3-oxo-C12-homoserine lactone. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 937-942.	1.3	9
43	Secondary-Site Mutation Restores the Transport Defect Caused by the Transmembrane Domain Mutation of the Xenobiotic Transporter MexB in <i>Pseudomonas aeruginosa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 513-518.	2.1	7
44	Physiological response of <i>Simocephalus vetulus</i> to five antibiotics and their mixture under 48-h acute exposure. <i>Science of the Total Environment</i> , 2022, 829, 154585.	8.0	7
45	Acyl-homoserine lactones suppresses IEC-6 cell proliferation and increase permeability of isolated rat colon. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 462-465.	1.3	5
46	Draft Genome Sequence of the Microcystin-Degrading Bacterium <i>Novosphingobium</i> sp. Strain MD-1. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
47	Synthesis of Thiazole Derivatives and Evaluation of Their Antiamoebic Activity and Cytotoxicity. <i>Biocontrol Science</i> , 2013, 18, 183-191.	0.8	4
48	Complete Genome Sequence of <i>Pseudomonas aeruginosa</i> Strain 8380, Isolated from the Human Gut. <i>Genome Announcements</i> , 2015, 3, .	0.8	4
49	Thermophilic anaerobic digestion is an effective treatment for reducing cefazolin-resistant bacteria and ESBL-producers in dairy manure. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 293-299.	3.0	4
50	Removal of <i>Microcystis aeruginosa</i> cells and microcystin-LR using ceramic carrier in a continuous flow bioreactor. <i>Japanese Journal of Water Treatment Biology</i> , 2016, 52, 35-43.	0.1	1
51	Development of a Novel Antimicrobial Screening System Targeting the Pyoverdine-Mediated Iron Acquisition System and Xenobiotic Efflux Pumps. <i>Molecules</i> , 2015, 20, 7790-7806.	3.8	0
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