Yoshiko Okamura

List of Publications by Year
in descending order

59 papers	1,596 citations	331670 21 h-index	302126 39 g-index
62 all docs	62 docs citations	62 times ranked	1330 citing authors

#	Article	IF	Citations
1	Complete Genome Sequence of the Facultative Anaerobic Magnetotactic Bacterium Magnetospirillum sp. strain AMB-1. DNA Research, 2005, 12, 157-166.	3.4	225
2	Origin of magnetosome membrane: Proteomic analysis of magnetosome membrane and comparison with cytoplasmic membrane. Proteomics, 2006, 6, 5234-5247.	2.2	136
3	Whole genome sequence of Desulfovibrio magneticus strain RS-1 revealed common gene clusters in magnetotactic bacteria. Genome Research, 2009, 19, 1801-1808.	5.5	103
4	Dynamic analysis of a genomic island inMagnetospirillumsp. strain AMB-1 reveals how magnetosome synthesis developed. FEBS Letters, 2006, 580, 801-812.	2.8	87
5	Global Gene Expression Analysis of Iron-Inducible Genes in Magnetospirillum magneticum AMB-1. Journal of Bacteriology, 2006, 188, 2275-2279.	2.2	72
6	Biotechnological application of nano-scale engineered bacterial magnetic particles. Journal of Materials Chemistry, 2004, 14, 2099.	6.7	70
7	Siderophore production by the magnetic bacteriumMagnetospirillum magneticumAMB-1. FEMS Microbiology Letters, 2003, 218, 371-375.	1.8	62
8	Genes and proteins involved in bacterial magnetic particle formation. Trends in Microbiology, 2003, 11, 536-541.	7.7	60
9	A Magnetosome-specific GTPase from the Magnetic BacteriumMagnetospirillum magneticum AMB-1. Journal of Biological Chemistry, 2001, 276, 48183-48188.	3.4	58
10	Assembly of G Protein-Coupled Receptors onto Nanosized Bacterial Magnetic Particles Using Mms16 as an Anchor Molecule. Applied and Environmental Microbiology, 2004, 70, 2880-2885.	3.1	58
11	Design and Application of a New Cryptic-Plasmid-Based Shuttle Vector for Magnetospirillum magneticum. Applied and Environmental Microbiology, 2003, 69, 4274-4277.	3.1	57
12	Cloning and Characterization of a Gene, mpsA, Encoding a Protein Associated with Intracellular Magnetic Particles from Magnetospirillum sp. Strain AMB-1. Biochemical and Biophysical Research Communications, 2000, 268, 932-937.	2.1	52
13	Isolation and Characterization of a GDSL Esterase from the Metagenome of a Marine Sponge-associated Bacteria. Marine Biotechnology, 2010, 12, 395-402.	2.4	50
14	Evaluation of marine sediments as microbial sources for methane production from brown algae under high salinity. Bioresource Technology, 2014, 169, 362-366.	9.6	47
15	Two-Dimensional Analysis of Proteins Specific to the Bacterial Magnetic Particle Membrane from Magnetospirillum sp. AMB-1. Applied Biochemistry and Biotechnology, 2000, 84-86, 441-446.	2.9	40
16	Isolation of High Carotenoid-producing <i>Aurantiochytrium</i> sp. Mutants and Improvement of Astaxanthin Productivity Using Metabolic Information. Journal of Oleo Science, 2018, 67, 571-578.	1.4	36
17	Characterization of aldehyde ferredoxin oxidoreductase gene defective mutant in Magnetospirillum magneticum AMB-1. Biochemical and Biophysical Research Communications, 2003, 303, 223-229.	2.1	30
18	RNase H-assisted RNA-primed rolling circle amplification for targeted RNA sequence detection. Scientific Reports, 2018, 8, 7770.	3.3	29

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19	Improved methane production from brown algae under high salinity by fed-batch acclimation. Bioresource Technology, 2015, 187, 275-281.	9.6	27
20	Siderophore production of a periplasmic transport binding protein kinase gene defective mutant of Magnetospirillum magneticum AMB-1. Biochemical and Biophysical Research Communications, 2004, 323, 852-857.	2.1	22
21	Development of a Cell Surface Display System in a Magnetotactic Bacterium, â€œ Magnetospirillum magneticum â€•AMB-1. Applied and Environmental Microbiology, 2008, 74, 3342-3348.	3.1	22
22	Dysgonomonas alginatilytica sp. nov., an alginate-degrading bacterium isolated from a microbial consortium. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3570-3575.	1.7	22
23	Bacterial community structure and predicted alginate metabolic pathway in an alginate-degrading bacterial consortium. Journal of Bioscience and Bioengineering, 2016, 121, 286-292.	2.2	19
24	Value-added lipid production from brown seaweed biomass by two-stage fermentation using acetic acid bacterium and thraustochytrid. Applied Microbiology and Biotechnology, 2014, 98, 9207-9216.	3.6	18
25	Specific degradation of H. pylori urease by a catalytic antibody light chain. FEBS Journal, 2005, 272, 4497-4505.	4.7	17
26	Efficient conversion of mannitol derived from brown seaweed to fructose for fermentation with a thraustochytrid. Journal of Bioscience and Bioengineering, 2018, 125, 180-184.	2.2	17
27	Cytoplasmic ATPase involved in ferrous ion uptake from magnetotactic bacteriumMagnetospirillum magneticumAMB-1. FEBS Letters, 2007, 581, 3443-3448.	2.8	16
28	Improvement of fatty acid productivity of thraustochytrid, Aurantiochytrium sp. by genome editing. Journal of Bioscience and Bioengineering, 2021, 131, 373-380.	2.2	13
29	Characterization of a novel gene involved in cadmium accumulation screened from sponge-associated bacterial metagenome. Gene, 2016, 576, 618-625.	2.2	12
30	Semi-continuous methane production from undiluted brown algae using a halophilic marine microbial community. Bioresource Technology, 2016, 200, 616-623.	9.6	12
31	Metabolite Profile Analysis of <i>Aurantiochytrium limacinum</i> SR21 Grown on Acetate-based Medium for Lipid Fermentation. Journal of Oleo Science, 2019, 68, 541-549.	1.4	12
32	Development of a bench-top extra-cleanroom for DNA amplification. BioTechniques, 2016, 61, 42-46.	1.8	8
33	Direct detection of mRNA expression in microbial cells by fluorescence in situ hybridization using RNase H-assisted rolling circle amplification. Scientific Reports, 2020, 10, 9588.	3.3	8
34	Improved methanization and microbial diversity during batch mode cultivation with repetition of substrate addition using defined organic matter and marine sediment inoculum at seawater salinity. Bioresource Technology, 2017, 245, 833-840.	9.6	7
35	BIONANOMAGNET AND ITS APPLICATION. International Journal of Nanoscience, 2002, 01, 383-389.	0.7	6
36	Kinetics of Sorbitol Decomposition under Hydrothermal Condition. Journal of the Japan Petroleum Institute, 2016, 59, 149-154.	0.6	6

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37	Isolation and characterization of bacterium producing lipid from short-chain fatty acids. Bioresource Technology, 2016, 201, 215-221.	9.6	6
38	Characterization of a halotolerant acetoclastic methanogen highly enriched from marine sediment and its application in removal of acetate. Journal of Bioscience and Bioengineering, 2016, 121, 196-202.	2.2	6
39	Behavior of Organics in Kelp during Hydrothermal Pretreatment: Fundamental Characteristics and Effect of Salt. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2014, 93, 531-535.	0.2	5
40	Effect of Salinity on Methanogenic Propionate Degradation by Acclimated Marine Sediment-Derived Culture. Applied Biochemistry and Biotechnology, 2015, 177, 1541-1552.	2.9	5
41	Quantitative In Situ Mass Spectrometry Analysis of Mannitol Decomposition Products under Hydrothermal Conditions. Energy & Fuels, 2017, 31, 10866-10873.	5.1	5
42	<i>In-situ</i> Mass Spectroscopic Analysis of Glucose Decomposition under Hydrothermal Condition: Quantitative Analysis for Reaction Kinetics. Journal of the Japan Petroleum Institute, 2017, 60, 101-109.	0.6	5
43	Determination of Mannitol Decomposition Rate under Hydrothermal Pretreatment Condition. Journal of the Japan Petroleum Institute, 2015, 58, 252-255.	0.6	4
44	Decomposition kinetics of uronic acids obtained from kelp under hydrothermal condition. Journal of the Energy Institute, 2017, 90, 185-190.	5.3	3
45	In situ mass spectrometry of glucose decomposition under hydrothermal reactions. Korean Journal of Chemical Engineering, 2017, 34, 1524-1530.	2.7	3
46	Complete genome sequence of Nitratireductor sp. strain OM-1: A lipid-producing bacterium with potential use in wastewater treatment. Biotechnology Reports (Amsterdam, Netherlands), 2019, 24, e00366.	4.4	3
47	Review Molecular Mechanism of Bacterial Magnetite Formation and Its Application. Materials Research Society Symposia Proceedings, 2002, 724, N1.4.1.	0.1	3
48	Real-Time Mass Spectrometric Analysis of Hydrothermal Reaction Products. Industrial & Engineering Chemistry Research, 2017, 56, 9993-9998.	3.7	2
49	Discovery of a Novel Gene Conferring Tellurite Tolerance Through Tellurite Reduction to Escherichia coli Transformant in Marine Sediment Metagenomic Library. Marine Biotechnology, 2019, 21, 762-772.	2.4	2
50	Marine biotechnology for materials and energy production. Journal of Biotechnology, 2008, 136, S520.	3.8	1
51	Cellular Responses to Electrochemical Killing Process by Applying a Constant Potential in Synchronously Cultured Saccharomyces Cerevisiae. Electrochemistry, 2008, 76, 603-605.	1.4	1
52	Visualization of Gene Reciprocity among Lactic Acid Bacteria in Yogurt by RNase H-Assisted Rolling Circle Amplification-Fluorescence In Situ Hybridization. Microorganisms, 2021, 9, 1208.	3.6	1
53	Screening of Neutrophil Activating Factors from a Metagenome Library of Sponge-Associated Bacteria. Marine Drugs, 2021, 19, 427.	4.6	1
54	Decomposition Kinetics of Mannose, Its Sugar Alcohol, and Its Uronic Acid under Hydrothermal Condition. Journal of Chemical Engineering of Japan, 2016, 49, 663-667.	0.6	1

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55	Molecular and Biotechnological Aspects of Bacterial Magnetite. , 2005, , 91-106.		0
56	Development of single template amplification and product immobilization with single bead trap array. Journal of Bioscience and Bioengineering, 2009, 108, S150.	2.2	0
57	Kinetics of Sorbitol Decomposition under Hydrothermal Condition. Journal of the Japan Petroleum Institute, 2016, 59, 241-241.	0.6	0
58	BIONANOMAGNET AND ITS APPLICATION. , 2003, , .		0
59	High-rate Fermentation of Acetate to Methane under Saline Condition by Aceticlastic Methanogens Immobilized in Marine Sediment. Journal of the Japan Petroleum Institute, 2016, 59, 9-15.	0.6	0