Kazuhiko Miyanaga

List of Publications by Year
in descending order

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52	1,374	304743	361022
papers	citations	22 h-index	35 g-index

53	53	53	1641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The contribution of nitrate-reducing bacterium Marinobacter YB03 to biological souring and microbiologically influenced corrosion of carbon steel. Biochemical Engineering Journal, 2020, 156, 107520.	3.6	15
2	Isolation, Characterisation and Complete Genome Sequence of a Tequatrovirus Phage, Escherichia phage KIT03, Which Simultaneously Infects Escherichia coli O157:H7 and Salmonella enterica. Current Microbiology, 2019, 76, 1130-1137.	2.2	20
3	Modification of T2 phage infectivity towardEscherichia coliO157:H7 via using CRISPR/Cas9. FEMS Microbiology Letters, 2019, 366, .	1.8	16
4	The utilization of aromatic hydrocarbon by nitrate- and sulfate-reducing bacteria in single and multiple nitrate injection for souring control. Biochemical Engineering Journal, 2019, 143, 75-80.	3.6	11
5	The presence of nitrate- and sulfate-reducing bacteria contributes to ineffectiveness souring control by nitrate injection. International Biodeterioration and Biodegradation, 2018, 129, 81-88.	3.9	28
6	Analysis of phage resistance in Staphylococcus aureus SA003 reveals different binding mechanisms for the closely related Twort-like phages É‚SA012 and É‚SA039. Applied Microbiology and Biotechnology, 2018, 102, 8963-8977.	3.6	24
7	Fate of Escherichia coli in dialysis device exposed into sewage influent and activated sludge. Journal of Water and Health, 2018, 16, 380-390.	2.6	2
8	Addition of Sodium Hydroxide to Seawater Inhibits Sulfide Production (Souring) by Microbes in Oil Field Water. Journal of Chemical Engineering of Japan, 2017, 50, 850-856.	0.6	1
9	Corrosion Test Using Bottom Water from Oil-storage Tank and Microbial Community Analysis by Next Generation Sequencer. Zairyo To Kankyo/ Corrosion Engineering, 2015, 64, 540-544.	0.2	3
10	IgG-dependent aggregation of Staphylococcus aureus inhibits bacteriophage attack. Biochemical Engineering Journal, 2015, 97, 17-24.	3.6	9
11	Seasonal variations in bacterial communities and antibiotic-resistant strains associated with green bottle flies (Diptera: Calliphoridae). Applied Microbiology and Biotechnology, 2014, 98, 4197-4208.	3.6	30
12	Persistence of antibiotic-resistant and -sensitive Proteus mirabilis strains in the digestive tract of the housefly (Musca domestica) and green bottle flies (Calliphoridae). Applied Microbiology and Biotechnology, 2014, 98, 8357-8366.	3.6	25
13	Biological souring of crude oil under anaerobic conditions. Biochemical Engineering Journal, 2014, 90, 114-120.	3.6	17
14	Iodine from bacterial iodide oxidization by Roseovarius spp. inhibits the growth of other bacteria. Applied Microbiology and Biotechnology, 2013, 97, 2173-2182.	3.6	15
15	Comparative analysis of bacterial community and antibiotic-resistant strains in different developmental stages of the housefly (Musca domestica). Applied Microbiology and Biotechnology, 2013, 97, 1775-1783.	3.6	29
16	Comprehensive Phylogenetic Diversity of [FeFe]-Hydrogenase Genes in Termite Gut Microbiota. Microbes and Environments, 2013, 28, 491-494.	1.6	7
17	Investigation of Hydrogen Sulfide Production in a Polluted Estuary by Using a Vertical Column Simulator. Journal of Chemical Engineering of Japan, 2013, 46, 359-366.	0.6	0
18	Effect of heat-alkaline treatment as a pretreatment method on volatile fatty acid production and protein degradation in excess sludge, pure proteins and pure cultures. Bioresource Technology, 2012, 118, 390-398.	9.6	43

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19	Diffusion of bacteriophages through artificial biofilm models. Biotechnology Progress, 2012, 28, 319-326.	2.6	20
20	Surface activity of heatâ€“alkaline treated excess sludge. Biochemical Engineering Journal, 2011, 56, 241-246.	3.6	7
21	Increased bioclogging and corrosion risk by sulfate addition during iodine recovery at a natural gas production plant. Applied Microbiology and Biotechnology, 2011, 89, 825-834.	3.6	12
22	Changes in composition and microbial communities in excess sludge after heat-alkaline treatment and acclimation. Biochemical Engineering Journal, 2010, 52, 151-159.	3.6	36
23	Diffusion properties of bacteriophages through agarose gel membrane. Biotechnology Progress, 2010, 26, 1213-1221.	2.6	35
24	Microbial and Chemical Characterizations of Oil Field Water through Artificial Souring Experiment. Journal of Chemical Engineering of Japan, 2010, 43, 792-797.	0.6	9
25	Effect of milk on antibacterial activity of tetracycline against Escherichia coli and Staphylococcus aureus isolated from bovine mastitis. Applied Microbiology and Biotechnology, 2009, 84, 135-142.	3.6	30
26	Succession of bacterial community and enzymatic activities of activated sludge by heat-treatment for reduction of excess sludge. Biochemical Engineering Journal, 2008, 39, 598-603.	3.6	88
27	Detection of Escherichia coli with Fluorescent Labeled Phages That Have a Broad Host Range to E. coli in Sewage Water. Biotechnology Progress, 2008, 24, 481-486.	2.6	51
28	Spontaneous Deletion of a 209-Kilobase-Pair Fragment from the Escherichia coli Genome Occurs with Acquisition of Resistance to an Assortment of Infectious Phages. Applied and Environmental Microbiology, 2008, 74, 4256-4263.	3.1	25
29	Biocidal effect of cathodic protection on bacterial viability in biofilm attached to carbon steel. Biotechnology and Bioengineering, 2007, 97, 850-857.	3.3	32
30	Occurrence of virulence genes associated with enterohemorrhagic Escherichia coli in raw municipal sewage. Biochemical Engineering Journal, 2007, 33, 53-59.	3.6	6
31	Monitoring of biofilm in cooling water system by measuring lactic acid consumption rate. Biochemical Engineering Journal, 2007, 35, 81-86.	3.6	13
32	Optimization of distinction between viable and dead cells by fluorescent staining method and its application to bacterial consortia. Biochemical Engineering Journal, 2007, 37, 56-61.	3.6	24
33	A Recombinant Bacteriophage-Based Assay for the Discriminative Detection of Culturable and Viable but Nonculturable Escherichia coli O157:H7. Biotechnology Progress, 2006, 22, 853-859.	2.6	48
34	Detection of Escherichia coli in the sewage influent by fluorescent labeled T4 phage. Biochemical Engineering Journal, 2006, 29, 119-124.	3.6	22
35	Estimation of the self-purification capacity of biofilm formed in domestic sewer pipes. Biochemical Engineering Journal, 2006, 31, 96-101.	3.6	30
36	Effect of intermittent aeration on the decrease of biological sludge amount. Biochemical Engineering Journal, 2006, 27, 246-251.	3.6	22

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37	Alteration of tail fiber protein gp38 enables T2 phage to infect Escherichia coli O157:H7. Journal of Biotechnology, 2005, 115, 101-107.	3.8	108
38	Quick Selection of a Chimeric T2 Phage That Displays Active Enzyme on the Viral Capsid. Biotechnology Progress, 2005, 21, 1768-1771.	2.6	2
39	Separation of cultured strawberry cells producing anthocyanins in aqueous two-phase system. Journal of Bioscience and Bioengineering, 2005, 100, 449-454.	2.2	26
40	Therapeutic use of phage cocktail for controlling Escherichia coli O157:H7 in gastrointestinal tract of mice. Journal of Bioscience and Bioengineering, 2005, 100, 280-287.	2.2	169
41	Application of glutaraldehyde for the staining of esterase-active cells with carboxyfluorescein diacetate. Biotechnology Letters, 2004, 26, 379-383.	2.2	32
42	Aggregate characteristics of callus derived from woody plant Eucommia ulmoides. Biochemical Engineering Journal, 2004, 21, 149-153.	3.6	1
43	Nitrogenous compounds transformation by the sludge solubilization under alternating aerobic and anaerobic conditions. Biochemical Engineering Journal, 2004, 21, 207-212.	3.6	7
44	Escherichia coli detection by GFP-labeled lysozyme-inactivated T4 bacteriophage. Journal of Biotechnology, 2004, 114, 11-20.	3.8	69
45	Removal of nitrogenous and carbonaceous substances by a porous carrierâ€“membrane hybrid process for wastewater treatment. Biochemical Engineering Journal, 2003, 14, 37-44.	3.6	31
46	Augmentation of self-purification capacity of sewer pipe by immobilizing microbes on the pipe surface. Biochemical Engineering Journal, 2003, 15, 69-75.	3.6	19
47	Reduction of Excess Sludge and Simultaneous Removal of Organic Carbon and Nitrogen by the Porous Carrier and Membrane Hybrid System. Journal of Chemical Engineering of Japan, 2003, 36, 1156-1162.	0.6	4
48	A kinetic model for growth of callus derived from Eucommia ulmoides aiming at mass production of a factor enhancing collagen synthesis of animal cells. Mathematics and Computers in Simulation, 2001, 56, 463-474.	4.4	7
49	Analysis of pigment accumulation heterogeneity in plant cell population by image-processing system. , 2000, 67, 493-497.		20
50	Quantitative determination of cultured strawberry-cell heterogeneity by image analysis: effects of medium modification on anthocyanin accumulation. Biochemical Engineering Journal, 2000, 5, 201-207.	3.6	19
51	Analysis of pigmentation in individual cultured plant cells using an image processing system. Biotechnology Letters, 2000, 22, 977-981.	2.2	9
52	High anthocyanin accumulation in the dark by strawberry (Fragaria ananassa) callus. Biotechnology Letters, 1999, 21, 695-699.	2.2	41