

Junichi Kato

List of Publications by Year in descending order

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papers

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76294

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docs citations

144
times ranked

4641
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#	ARTICLE	IF	CITATIONS
1	Role of Inorganic Polyphosphate in Promoting Ribosomal Protein Degradation by the Lon Protease in <i>E. coli</i> . <i>Science</i> , 2001, 293, 705-708.	6.0	350
2	Statistical Analysis of <i>Pseudomonas aeruginosa</i> Biofilm Development: Impact of Mutations in Genes Involved in Twitching Motility, Cell-to-Cell Signaling, and Stationary-Phase Sigma Factor Expression. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2008-2017.	1.4	259
3	Involvement of an Extracellular Protease in Algicidal Activity of the Marine Bacterium <i>Pseudoalteromonas</i> sp. Strain A28. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4334-4339.	1.4	197
4	Inhibition of Quorum Sensing in <i>Pseudomonas aeruginosa</i> by N -Acyl Cyclopentylamides. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3183-3188.	1.4	181
5	Inhibition of Quorum Sensing in <i>Serratia marcescens</i> AS-1 by Synthetic Analogs of N -Acylhomoserine Lactone. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6339-6344.	1.4	137
6	Genetic identification of chemotactic transducers for amino acids in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 1997, 143, 3223-3229.	0.7	121
7	Identification of Chemotaxis Sensory Proteins for Amino Acids in <i>Pseudomonas fluorescens</i> Pf0-1 and Their Involvement in Chemotaxis to Tomato Root Exudate and Root Colonization. <i>Microbes and Environments</i> , 2012, 27, 462-469.	0.7	113
8	A simple method to release polyphosphate from activated sludge for phosphorus reuse and recycling. <i>Biotechnology and Bioengineering</i> , 2002, 78, 333-338.	1.7	112
9	Bacterial phosphate metabolism and its application to phosphorus recovery and industrial bioprocesses. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 423-432.	1.1	112
10	Isolation and characterization of benzene-tolerant <i>Rhodococcus opacus</i> strains. <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 378-382.	1.1	107
11	Accumulation of Inorganic Polyphosphate in <i>phoU</i> Mutants of <i>Escherichia coli</i> and <i>Synechocystis</i> sp. Strain PCC6803. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4107-4110.	1.4	97
12	<i>Pseudomonas aeruginosa</i> as a model microorganism for investigation of chemotactic behaviors in ecosystem. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 1-7.	1.1	97
13	Identification and Characterization of Two Chemotactic Transducers for Inorganic Phosphate in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2000, 182, 3400-3404.	1.0	94
14	Chemotaxis proteins and transducers for aerotaxis in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2004, 231, 247-252.	0.7	84
15	Inorganic polyphosphate kinase is required to stimulate protein degradation and for adaptation to amino acid starvation in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 14264-14269.	3.3	78
16	Isolation and characterization of chemotaxis mutants and genes of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 1995, 177, 948-952.	1.0	76
17	Cloning, sequence and characterization of the polyphosphate kinase-encoding gene (<i>ppk</i>) of <i>Klebsiella aerogenes</i> . <i>Gene</i> , 1993, 137, 237-242.	1.0	75
18	Genetic improvement of <i>Escherichia coli</i> for enhanced biological removal of phosphate from wastewater. <i>Applied and Environmental Microbiology</i> , 1993, 59, 3744-3749.	1.4	72

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19	Effects of Inorganic Polyphosphate on the Proteolytic and DNA-binding Activities of Lon in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 34406-34410.	1.6	69
20	Cloning and Characterization of Chemotaxis Genes in <i>Pseudomonas aeruginosa</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 155-161.	0.6	66
21	Improvement of (R)-1,3-butanediol production by engineered <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 475-480.	1.1	63
22	Development of genetic transformation and heterologous expression system in carboxydophilic thermophilic acetogen <i>Moorella thermoacetica</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 347-352.	1.1	60
23	Rapid Method for Analyzing Bacterial Behavioral Responses to Chemical Stimuli. <i>Applied and Environmental Microbiology</i> , 1992, 58, 2250-2254.	1.4	60
24	Phosphate taxis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 1992, 174, 5149-5151.	1.0	59
25	Molecular cloning and characterization of a chemotactic transducer gene in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 1995, 177, 7019-7025.	1.0	59
26	Bacterial phosphonate degradation, phosphite oxidation and polyphosphate accumulation. <i>Resources, Conservation and Recycling</i> , 1996, 18, 125-134.	5.3	59
27	Identification of <i>Pseudomonas fluorescens</i> Chemotaxis Sensory Proteins for Malate, Succinate, and Fumarate, and Their Involvement in Root Colonization. <i>Microbes and Environments</i> , 2014, 29, 413-419.	0.7	58
28	High-Affinity Chemotaxis to Histamine Mediated by the TlpQ Chemoreceptor of the Human Pathogen <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2018, 9, .	1.8	57
29	Kinetics and modeling of hexavalent chromium reduction in <i>Enterobacter cloacae</i> . <i>Biotechnology and Bioengineering</i> , 1993, 41, 129-133.	1.7	55
30	Molecular analysis of the phosphate-specific transport (pst) operon of <i>Pseudomonas aeruginosa</i> . <i>Molecular Genetics and Genomics</i> , 1996, 250, 692-698.	2.4	54
31	Analysis of algicidal proteins of a diatom-lytic marine bacterium <i>Pseudoalteromonas</i> sp. strain A25 by two-dimensional electrophoresis. <i>Phycologia</i> , 2001, 40, 286-291.	0.6	53
32	Use of an <i>Escherichia coli</i> Recombinant Producing Thermostable Polyphosphate Kinase as an ATP Regenerator To Produce Fructose 1,6-Diphosphate. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5676-5678.	1.4	51
33	Production of \pm -Alkanediols Using <i>Escherichia coli</i> Expressing a Cytochrome P450 from <i>Acinetobacter</i> sp. OC4. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1379-1385.	0.6	50
34	Strictly Polyphosphate-Dependent Glucokinase in a Polyphosphate-Accumulating Bacterium, <i>Microlunatus phosphovorius</i> . <i>Journal of Bacteriology</i> , 2003, 185, 5654-5656.	1.0	48
35	Ethylene Chemotaxis in <i>Pseudomonas aeruginosa</i> and Other <i>Pseudomonas</i> Species. <i>Microbes and Environments</i> , 2007, 22, 186-189.	0.7	48
36	Identification of the <i>mcpA</i> and <i>mcpM</i> Genes, Encoding Methyl-Accepting Proteins Involved in Amino Acid and α -Malate Chemotaxis, and Involvement of McpM-Mediated Chemotaxis in Plant Infection by <i>Ralstonia pseudosolanacearum</i> (Formerly <i>Ralstonia solanacearum</i> Phylotypes I and Tj ETQq0 0 0 r g BT / Overlock 10 Tf	1.4	48

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37	Evaluation of marine sediments as microbial sources for methane production from brown algae under high salinity. <i>Bioresource Technology</i> , 2014, 169, 362-366.	4.8	47
38	Identification of chemosensory proteins for trichloroethylene in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 396-402.	1.1	43
39	Enhancement of (<i>R</i>)-1,3-butanediol production by engineered <i>Escherichia coli</i> using a bioreactor system with strict regulation of overall oxygen transfer coefficient and pH. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 695-700.	0.6	43
40	Cloning and Characterization of Extracellular Metal Protease Gene of the Algicidal Marine Bacterium <i>Pseudoalteromonas</i> sp. Strain A28. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1366-1369.	0.6	41
41	Biotransformation of Various Alkanes Using the <i>Escherichia coli</i> Expressing an Alkane Hydroxylase System from <i>Gordonia</i> sp. TF6. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 2171-2177.	0.6	41
42	A laboratory-scale test of anaerobic digestion and methane production after phosphorus recovery from waste activated sludge. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 365-368.	1.1	40
43	Identification and Characterization of the Chemotactic Transducer in <i>Pseudomonas aeruginosa</i> PAO1 for Positive Chemotaxis to Trichloroethylene. <i>Journal of Bacteriology</i> , 2006, 188, 6700-6702.	1.0	38
44	Development of butanol-tolerant <i>Bacillus subtilis</i> strain GRSW2-B1 as a potential bioproduction host. <i>AMB Express</i> , 2011, 1, 10.	1.4	37
45	The Synthesis of Optically Pure Enantiomers of N-Acyl-homoserine Lactone Autoinducers and Their Analogues. <i>Chemistry Letters</i> , 2001, 30, 314-315.	0.7	34
46	Utilization of hydrophobic bacterium <i>Rhodococcus opacus</i> B-4 as whole-cell catalyst in anhydrous organic solvents. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 761-767.	1.7	34
47	Enhanced Utilization of Phosphonate and Phosphite by <i>Klebsiella aerogenes</i> . <i>Applied and Environmental Microbiology</i> , 1998, 64, 3754-3758.	1.4	34
48	ATP Amplification for Ultrasensitive Bioluminescence Assay: Detection of a Single Bacterial Cell. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1216-1220.	0.6	33
49	Isolation and characterization of solvent-tolerant <i>Pseudomonas putida</i> strain T-57, and its application to biotransformation of toluene to cresol in a two-phase (organic-aqueous) system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2005, 32, 542-547.	1.4	33
50	Thermophilic ethanol fermentation from lignocellulose hydrolysate by genetically engineered <i>Moorella thermoacetica</i> . <i>Bioresource Technology</i> , 2017, 245, 1393-1399.	4.8	32
51	Cloning and characterization of a <i>Pseudomonas aeruginosa</i> gene involved in the negative regulation of phosphate taxis. <i>Journal of Bacteriology</i> , 1994, 176, 5874-5877.	1.0	31
52	Production and release of polyphosphate by a genetically engineered strain of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 1994, 60, 3485-3490.	1.4	31
53	A Comparison of Various Methods to Predict Bacterial Predilection for Organic Solvents Used as Reaction Media. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 357-362.	1.1	30
54	Expression of <i>Rhodococcus opacus</i> <i>alkB</i> genes in anhydrous organic solvents. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 199-203.	1.1	30

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55	Isolation and characterization of tetrahydrofuran-degrading <i>Rhodococcus aetherivorans</i> strain M8. <i>Process Biochemistry</i> , 2012, 47, 1665-1669.	1.8	30
56	Combined simultaneous enzymatic saccharification and comminution (SESC) and anaerobic digestion for sustainable biomethane generation from wood lignocellulose and the biochemical characterization of residual sludge solid. <i>Bioresource Technology</i> , 2020, 300, 122622.	4.8	30
57	Development of a Genetic Transformation System for an Alga-Lysing Bacterium. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2061-2064.	1.4	30
58	Chemotaxis away from thiocyanic and isothiocyanic esters in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 1993, 113, 63-66.	0.7	29
59	Bioproduction of vanillin using an organic solvent-tolerant <i>Brevibacillus agri</i> 13. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 555-563.	1.7	29
60	Development of a genetic transformation system for benzene-tolerant <i>Rhodococcus opacus</i> strains. <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 408-414.	1.1	27
61	Characterization of an organic-solvent-tolerant <i>Brevibacillus agri</i> strain 13 able to stabilize solvent/water emulsion. <i>FEMS Microbiology Letters</i> , 2009, 297, 225-233.	0.7	27
62	Development of a whole-cell biocatalyst co-expressing P450 monooxygenase and glucose dehydrogenase for synthesis of epoxyhexane. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 357-367.	1.7	27
63	Degradation of chloroanilines by toluene dioxygenase from <i>Pseudomonas putida</i> T57. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 292-297.	1.1	27
64	Improved methane production from brown algae under high salinity by fed-batch acclimation. <i>Bioresource Technology</i> , 2015, 187, 275-281.	4.8	27
65	Evaluation of bacterial aerotaxis for its potential use in detecting the toxicity of chemicals to microorganisms. <i>Journal of Biotechnology</i> , 2003, 101, 11-18.	1.9	26
66	Efficient aspartic acid production by a psychrophile-based simple biocatalyst. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1319-1324.	1.4	26
67	Isolation and Characterization of Two Cryptic Plasmids in the Ammonia-Oxidizing Bacterium <i>Nitrosomonas</i> sp. Strain ENI-11. <i>Journal of Bacteriology</i> , 1999, 181, 3375-3381.	1.0	25
68	A method for screening remove polyphosphate-accumulating mutants which remove phosphate efficiently from synthetic wastewater. <i>Journal of Bioscience and Bioengineering</i> , 2003, 95, 637-640.	1.1	25
69	Isolation and characterization of <i>Deinococcus geothermalis</i> T27, a slightly thermophilic and organic solvent-tolerant bacterium able to survive in the presence of high concentrations of ethyl acetate. <i>FEMS Microbiology Letters</i> , 2008, 286, 227-235.	0.7	24
70	The aerotaxis transducer gene <i>aer</i> , but not <i>aer-2</i> , is transcriptionally regulated by the anaerobic regulator ANR in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 184-190.	1.1	23
71	Stabilization of water-in-oil emulsion by <i>Rhodococcus opacus</i> B-4 and its application to biotransformation. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 767-773.	1.7	23
72	Cloning and characterization of <i>Pseudomonas putida</i> genes encoding the phosphate-specific transport system. <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 273-279.	1.1	22

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73	Dysgonomonas alginatilytica sp. nov., an alginate-degrading bacterium isolated from a microbial consortium. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3570-3575.	0.8	22
74	Identification of CtpL as a Chromosomally Encoded Chemoreceptor for 4-Chloroaniline and Catechol in Pseudomonas aeruginosa PAO1. Applied and Environmental Microbiology, 2013, 79, 7241-7248.	1.4	21
75	Simultaneous enzymatic saccharification and comminution for the valorization of lignocellulosic biomass toward natural products. BMC Biotechnology, 2018, 18, 79.	1.7	21
76	Effects of heavy metal cations on chromate reduction by enterobacter cloacae strain hol.. Journal of General and Applied Microbiology, 1991, 37, 519-522.	0.4	21
77	The significance of proline and glutamate on butanol chaotropic stress in Bacillus subtilis 168. Biotechnology for Biofuels, 2017, 10, 122.	6.2	20
78	Bacterial community structure and predicted alginate metabolic pathway in an alginate-degrading bacterial consortium. Journal of Bioscience and Bioengineering, 2016, 121, 286-292.	1.1	19
79	Characterization of methyl-accepting chemotaxis proteins (MCPs) for amino acids in plant-growth-promoting rhizobacterium <i>Pseudomonas protegens</i> CHA0 and enhancement of amino acid chemotaxis by MCP genes overexpression. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1948-1957.	0.6	19
80	Accelerating itaconic acid production by increasing membrane permeability of whole-cell biocatalyst based on a psychrophilic bacterium Shewanella livingstonensis Ac10. Journal of Biotechnology, 2020, 312, 56-62.	1.9	18
81	Regulation of bacterial phosphate taxis and polyphosphate accumulation in response to phosphate starvation stress. Journal of Biosciences, 1998, 23, 491-499.	0.5	17
82	Engineering of a functional thermostable kanamycin resistance marker for use in <i>Moorella thermoacetica</i> ATCC39073. FEMS Microbiology Letters, 2013, 343, 8-12.	0.7	17
83	Efficient conversion of mannitol derived from brown seaweed to fructose for fermentation with a thraustochytrid. Journal of Bioscience and Bioengineering, 2018, 125, 180-184.	1.1	17
84	A sensitive method for detecting AMP by utilizing polyphosphate-dependent ATP regeneration and bioluminescence reactions. Biochemical Engineering Journal, 2001, 9, 193-197.	1.8	16
85	The Effects of Cyclodextrins on Autoinducer Activities of Quorum Sensing in Pseudomonas aeruginosa. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 381-382.	1.6	16
86	Identification of boric acid as a novel chemoattractant and elucidation of its chemoreceptor in Ralstonia pseudosolanacearum Ps29. Scientific Reports, 2017, 7, 8609.	1.6	16
87	Isolation and characterization of Enterobacter cloacae mutants which are defective in chemotaxis toward inorganic phosphate. Journal of Bacteriology, 1997, 179, 6192-6195.	1.0	15
88	Pilot Plant Tests on the Novel Process for Phosphorus Recovery from Municipal Wastewater. Journal of Chemical Engineering of Japan, 2003, 36, 1143-1146.	0.3	15
89	Effect of mineral elements on phosphorus release from heated sewage sludge. Bioresource Technology, 2007, 98, 2533-2537.	4.8	15
90	Effect of cell-surface hydrophobicity on bacterial conversion of water-immiscible chemicals in two-liquid-phase culture systems. Journal of Bioscience and Bioengineering, 2009, 108, 116-120.	1.1	15

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91	Intraluminal diamond-like carbon coating with anti-adhesion and anti-biofilm effects for uropathogens: A novel technology applicable to urinary catheters. <i>International Journal of Urology</i> , 2021, 28, 1282-1289.	0.5	15
92	Physical Map Location of the Multicopy Genes Coding for Ammonia Monooxygenase and Hydroxylamine Oxidoreductase in the Ammonia-Oxidizing Bacterium <i>Nitrosomonas</i> sp. Strain ENI-11. <i>Journal of Bacteriology</i> , 2000, 182, 825-828.	1.0	14
93	Evaluation of phosphate removal from water by immobilized phosphate-binding protein PstS. <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 688-690.	1.1	13
94	Construction and application of an <i>Escherichia coli</i> bioreporter for aniline and chloroaniline detection. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1801-1810.	1.4	13
95	Identification and characterization of chemosensors for d-malate, unnatural enantiomer of malate, in <i>Ralstonia pseudosolanacearum</i> . <i>Microbiology (United Kingdom)</i> , 2017, 163, 233-242.	0.7	13
96	Semi-continuous methane production from undiluted brown algae using a halophilic marine microbial community. <i>Bioresource Technology</i> , 2016, 200, 616-623.	4.8	12
97	Cloning and expression of a <i>Clostridium cellobioparum</i> cellulase gene and its excretion from <i>Escherichia coli</i> JM109. <i>Journal of Bioscience and Bioengineering</i> , 1989, 68, 75-78.	0.9	11
98	Chemotaxis of the nematode <i>Caenorhabditis elegans</i> toward cycloheximide and quinine hydrochloride. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 322-324.	1.1	11
99	Expression of <i>Pseudomonas aeruginosa</i> aer - 2 , One of Two Aerotaxis Transducer Genes, Is Controlled by RpoS. <i>Journal of Bacteriology</i> , 2005, 187, 1533-1535.	1.0	11
100	Construction of a simple biocatalyst using psychrophilic bacterial cells and its application for efficient 3-hydroxypropionaldehyde production from glycerol. <i>AMB Express</i> , 2013, 3, 69.	1.4	11
101	Behavioral responses of the ciliated protozoan <i>Paramecium caudatum</i> to 2,4-dichlorophenoxyacetic acid and its analogues. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 416-420.	1.1	10
102	Characterization of Acetonitrile-Tolerant Marine Bacterium & Exiguobacterium sp. SBH81 and Its Tolerance Mechanism. <i>Microbes and Environments</i> , 2012, 27, 30-35.	0.7	10
103	Construction of CoA-dependent 1-butanol synthetic pathway functions under aerobic conditions in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2015, 204, 25-32.	1.9	10
104	Homolactic Acid Fermentation by the Genetically Engineered Thermophilic Homoacetogen <i>Moorella thermoacetica</i> ATCC 39073. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	10
105	Ethanol yield and sugar usability in thermophilic ethanol production from lignocellulose hydrolysate by genetically engineered <i>Moorella thermoacetica</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 160-164.	1.1	10
106	Involvement of many chemotaxis sensors in negative chemotaxis to ethanol in <i>Ralstonia pseudosolanacearum</i> Ps29. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1880-1889.	0.7	10
107	Chemotaxis of the Nematode <i>Caenorhabditis elegans</i> toward Cycloheximide and Quinine Hydrochloride.. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 322-324.	1.1	10
108	Transcriptional Analysis of the MulticopyhaoGene Coding for Hydroxylamine Oxidoreductase in <i>Nitrosomonas</i> sp. Strain ENI-11. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1875-1881.	0.6	9

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109	Two citrate chemoreceptors involved in chemotaxis to citrate and/or citrate-metal complexes in <i>Ralstonia pseudosolanacearum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 169-175.	1.1	9
110	Bacterial motility as a potential tool for rapid toxicity assays. <i>Biotechnology Letters</i> , 1993, 7, 457-462.	0.5	8
111	Mutational Analysis of the Multicopy <i>hao</i> Gene Coding for Hydroxylamine Oxidoreductase in <i>Nitrosomonas</i> sp. Strain ENI-11. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000, 64, 1754-1757.	0.6	7
112	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. <i>Bioresource Technology</i> , 2017, 245, 833-840.	4.8	7
113	Genetic approach to enhanced biological phosphorus removal. <i>Water Science and Technology</i> , 1994, 30, 185-192.	1.2	7
114	Chemotactic disruption as a method to control bacterial wilt caused by <i>Ralstonia pseudosolanacearum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 697-702.	0.6	6
115	Isolation and Characterization of <i>cbbL</i> and <i>cbbS</i> Genes Encoding Form I Ribulose-1,5-bisphosphate Carboxylase/Oxygenase Large and Small Subunits in <i>Nitrosomonas</i> sp. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 632-635.	0.6	5
116	Integrated biooxidation and acid dehydration process for monohydroxylation of aromatics. <i>Process Biochemistry</i> , 2007, 42, 46-51.	1.8	5
117	Effect of Salinity on Methanogenic Propionate Degradation by Acclimated Marine Sediment-Derived Culture. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1541-1552.	1.4	5
118	Elastin degradation product isodesmosine is a chemoattractant for <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2015, 161, 1496-1503.	0.7	5
119	Cloning of the <i>Pseudomonas aeruginosa</i> gene encoding CDP-diglyceride synthetase. <i>Gene</i> , 1996, 172, 165-166.	1.0	4
120	Isolation and Characterization of the <i>Enterobacter cloacae</i> <i>cheR</i> Mutant Defective in Phosphate Taxis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 456-458.	0.6	4
121	Development of a New Biotechnological Basis for Improving Industrial Sustainability in Japan. <i>Engineering in Life Sciences</i> , 2006, 6, 278-284.	2.0	4
122	An alternative genome-integrated method for undomesticated <i>Bacillus subtilis</i> and related species. <i>Journal of General and Applied Microbiology</i> , 2019, 65, 96-105.	0.4	4
123	Identification of the Replication Region of a 111-kb Circular Plasmid from <i>Rhodococcus opacus</i> B-4 by Red Recombination-Based Deletion Analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1758-1764.	0.6	3
124	Negative chemotaxis of <i>Ralstonia pseudosolanacearum</i> to maleate and identification of the maleate chemosensory protein. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 647-652.	1.1	3
125	Efficient production of 1,3-propanediol by psychrophile-based simple biocatalysts in <i>Shewanella livingstonensis</i> Ac10 and <i>Shewanella frigidimarina</i> DSM 12253. <i>Journal of Biotechnology</i> , 2020, 323, 293-301.	1.9	3
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127	Mutants of the nematode <i>Caenorhabditis elegans</i> that are defective specifically in their attraction to cycloheximide. <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 149-153.	1.1	2
128	Enhanced 3-methylcatechol production by <i>Pseudomonas putida</i> TODE1 in a two-phase biotransformation system. <i>Journal of General and Applied Microbiology</i> , 2014, 60, 183-190.	0.4	2
129	Psychrophile-based simple biocatalysts for effective coproduction of 3-hydroxypropionic acid and 1,3-propanediol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 728-738.	0.6	1
130	Evaluation of Phosphate Removal from Water by Immobilized Phosphate-Binding Protein PstS.. <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 688-690.	1.1	1
131	Chemotactic Transducer-type Protein Family in <i>Pseudomonas aeruginosa</i> . <i>Nippon Nogeikagaku Kaishi</i> , 1997, 71, 902-905.	0.0	0
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