

# Hisao Ohtake

## List of Publications by Citations

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159  
papers

4,516  
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37  
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60  
g-index

166  
ext. papers

4,974  
ext. citations

4.2  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
159	Role of inorganic polyphosphate in promoting ribosomal protein degradation by the Lon protease in <i>E. coli</i> . <i>Science</i> , <b>2001</b> , 293, 705-8	33.3	297
158	Isolation and Characterization of an Enterobacter cloacae Strain That Reduces Hexavalent Chromium under Anaerobic Conditions. <i>Applied and Environmental Microbiology</i> , <b>1989</b> , 55, 1665-9	4.8	217
157	Involvement of an extracellular protease in algicidal activity of the marine bacterium <i>Pseudoalteromonas</i> sp. strain A28. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 4334-9	4.8	161
156	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> by N-acyl cyclopentylamides. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 3183-8	4.8	144
155	Greening the global phosphorus cycle: how green chemistry can help achieve planetary P sustainability. <i>Green Chemistry</i> , <b>2015</b> , 17, 2087-2099	10	122
154	Genetic identification of chemotactic transducers for amino acids in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , <b>1997</b> , 143 ( Pt 10), 3223-3229	2.9	108
153	Isolation and characterization of benzene-tolerant <i>Rhodococcus opacus</i> strains. <i>Journal of Bioscience and Bioengineering</i> , <b>2005</b> , 99, 378-82	3.3	98
152	A simple method to release polyphosphate from activated sludge for phosphorus reuse and recycling. <i>Biotechnology and Bioengineering</i> , <b>2002</b> , 78, 333-8	4.9	96
151	Bacterial phosphate metabolism and its application to phosphorus recovery and industrial bioprocesses. <i>Journal of Bioscience and Bioengineering</i> , <b>2010</b> , 109, 423-32	3.3	88
150	Uptake and release of phosphate by a pure culture of <i>Acinetobacter calcoaceticus</i> . <i>Water Research</i> , <b>1985</b> , 19, 1587-1594	12.5	87
149	Novel technique for phosphorus recovery from aqueous solutions using amorphous calcium silicate hydrates (A-CSHs). <i>Water Research</i> , <b>2013</b> , 47, 2251-9	12.5	85
148	Improved production of recombinant human antithrombin III in Chinese hamster ovary cells by ATF4 overexpression. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 100, 317-24	4.9	82
147	Identification and characterization of two chemotactic transducers for inorganic phosphate in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 3400-4	3.5	81
146	In vitro production of n-butanol from glucose. <i>Metabolic Engineering</i> , <b>2013</b> , 20, 84-91	9.7	77
145	<i>Pseudomonas aeruginosa</i> as a model microorganism for investigation of chemotactic behaviors in ecosystem. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 1-7	3.3	75
144	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> , <b>2002</b> , 68, 4107-10	4.8	74
143	Synthetic metabolic engineering-a novel, simple technology for designing a chimeric metabolic pathway. <i>Microbial Cell Factories</i> , <b>2012</b> , 11, 120	6.4	69

142	Cloning, sequence and characterization of the polyphosphate kinase-encoding gene (ppk) of <i>Klebsiella aerogenes</i> . <i>Gene</i> , <b>1993</b> , 137, 237-42	3.8	65
141	Chemotaxis proteins and transducers for aerotaxis in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , <b>2004</b> , 231, 247-52	2.9	63
140	Cloning and characterization of chemotaxis genes in <i>Pseudomonas aeruginosa</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1999</b> , 63, 155-61	2.1	62
139	Construction of BAC-based physical map and analysis of chromosome rearrangement in Chinese hamster ovary cell lines. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 1357-67	4.9	53
138	Effects of inorganic polyphosphate on the proteolytic and DNA-binding activities of Lon in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 34406-10	5.4	53
137	Rapid method for analyzing bacterial behavioral responses to chemical stimuli. <i>Applied and Environmental Microbiology</i> , <b>1992</b> , 58, 2250-4	4.8	51
136	Overexpression of GADD34 enhances production of recombinant human antithrombin III in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 568-73	3.3	49
135	Direct conversion of glucose to malate by synthetic metabolic engineering. <i>Journal of Biotechnology</i> , <b>2013</b> , 164, 34-40	3.7	46
134	Kinetics and modeling of hexavalent chromium reduction in <i>Enterobacter cloacae</i> . <i>Biotechnology and Bioengineering</i> , <b>1993</b> , 41, 129-33	4.9	46
133	Factors affecting chromate reduction in <i>Enterobacter cloacae</i> strain HO1. <i>Applied Microbiology and Biotechnology</i> , <b>1989</b> , 31-31, 567-570	5.7	46
132	Handling the phosphorus paradox in agriculture and natural ecosystems: Scarcity, necessity, and burden of P. <i>Ambio</i> , <b>2018</b> , 47, 3-19	6.5	46
131	Assembly and multiple gene expression of thermophilic enzymes in <i>Escherichia coli</i> for in vitro metabolic engineering. <i>Biotechnology and Bioengineering</i> , <b>2015</b> , 112, 189-96	4.9	45
130	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> , <b>2007</b> , 73, 5676-8	4.8	45
129	Identification of chemosensory proteins for trichloroethylene in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2005</b> , 99, 396-402	3.3	41
128	Membrane-bound respiratory system of <i>Enterobacter cloacae</i> strain HO1 grown anaerobically with chromate. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 78, 11-16	2.9	41
127	Amorphous calcium silicate hydrates and their possible mechanism for recovering phosphate from wastewater. <i>Separation and Purification Technology</i> , <b>2015</b> , 144, 63-69	8.3	40
126	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> , <b>2002</b> , 66, 1366-9	2.1	39
125	Strictly polyphosphate-dependent glucokinase in a polyphosphate-accumulating bacterium, <i>Microlunatus phosphovor</i> . <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 5654-6	3.5	38

124	Bacterial phosphonate degradation, phosphite oxidation and polyphosphate accumulation. <i>Resources, Conservation and Recycling</i> , <b>1996</b> , 18, 125-134	11.9	38
123	Plasmid-determined resistance to chromate in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , <b>1988</b> , 56, 173-176	2.9	38
122	Molecular analysis of the phosphate-specific transport (pst) operon of <i>Pseudomonas aeruginosa</i> . <i>Molecular Genetics and Genomics</i> , <b>1996</b> , 250, 692-8		37
121	Effects of dissolved oxygen and acetic acid concentrations on acetic acid production in continuous culture of <i>Acetobacter aceti</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>1989</b> , 68, 96-101		37
120	Enhancement of sialylation on humanized IgG-like bispecific antibody by overexpression of $\alpha$ 6-sialyltransferase derived from Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 94, 69-80	5.7	36
119	Utilization of hydrophobic bacterium <i>Rhodococcus opacus</i> B-4 as whole-cell catalyst in anhydrous organic solvents. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 74, 761-7	5.7	34
118	Identification and characterization of the chemotactic transducer in <i>Pseudomonas aeruginosa</i> PAO1 for positive chemotaxis to trichloroethylene. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 6700-2	3.5	33
117	In vitro metabolic engineering for the salvage synthesis of NAD(.). <i>Metabolic Engineering</i> , <b>2016</b> , 35, 114-120	3.9	32
116	A model of motor control of the nematode <i>C. elegans</i> with neuronal circuits. <i>Artificial Intelligence in Medicine</i> , <b>2005</b> , 35, 75-86	7.4	32
115	The Synthesis of Optically Pure Enantiomers of N-Acyl-homoserine Lactone Autoinducers and Their Analogues. <i>Chemistry Letters</i> , <b>2001</b> , 30, 314-315	1.7	32
114	Acetic acid production using a fermentor equipped with a hollow fiber filter module. <i>Biotechnology and Bioengineering</i> , <b>1989</b> , 33, 918-23	4.9	32
113	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> , <b>2005</b> , 32, 542-7	4.2	31
112	Bacterial reduction of toxic hexavalent chromium using a fed-batch culture of <i>Enterobacter cloacae</i> strain HO1. <i>Journal of Bioscience and Bioengineering</i> , <b>1990</b> , 69, 365-367		31
111	ATP amplification for ultrasensitive bioluminescence assay: detection of a single bacterial cell. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2004</b> , 68, 1216-20	2.1	30
110	A laboratory-scale test of anaerobic digestion and methane production after phosphorus recovery from waste activated sludge. <i>Journal of Bioscience and Bioengineering</i> , <b>2004</b> , 97, 365-8	3.3	30
109	Bacterial artificial chromosome library for genome-wide analysis of Chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , <b>2009</b> , 104, 986-94	4.9	29
108	A comparison of various methods to predict bacterial predilection for organic solvents used as reaction media. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 357-62	3.3	29
107	Expression of <i>Rhodococcus opacus</i> alkB genes in anhydrous organic solvents. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 199-203	3.3	28

106	Development of a whole-cell biocatalyst co-expressing P450 monooxygenase and glucose dehydrogenase for synthesis of epoxyhexane. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 95, 357-67	5.7	27
105	Enhanced utilization of phosphonate and phosphite by <i>Klebsiella aerogenes</i> . <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 3754-8	4.8	27
104	Development of a genetic transformation system for an alga-lysing bacterium. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 2061-4	4.8	27
103	Evaluation of bacterial aerotaxis for its potential use in detecting the toxicity of chemicals to microorganisms. <i>Journal of Biotechnology</i> , <b>2003</b> , 101, 11-8	3.7	26
102	Bioproduction of vanillin using an organic solvent-tolerant <i>Brevibacillus agri</i> 13. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 93, 555-63	5.7	24
101	Phenotyping the quality of complex medium components by simple online-monitored shake flask experiments. <i>Microbial Cell Factories</i> , <b>2014</b> , 13, 149	6.4	24
100	Overproduction of YjbB reduces the level of polyphosphate in <i>Escherichia coli</i> : a hypothetical role of YjbB in phosphate export and polyphosphate accumulation. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 320, 25-32	2.9	24
99	Feasibility of thermophilic adenosine triphosphate-regeneration system using <i>Thermus thermophilus</i> polyphosphate kinase. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1747-1752	4.8	24
98	In vitro bioconversion of chitin to pyruvate with thermophilic enzymes. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 124, 296-301	3.3	23
97	Improved antibody production in Chinese hamster ovary cells by ATF4 overexpression. <i>Cytotechnology</i> , <b>2013</b> , 65, 993-1002	2.2	23
96	Glycosylation pattern of humanized IgG-like bispecific antibody produced by recombinant CHO cells. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 535-42	5.7	23
95	Production of 2-deoxyribose 5-phosphate from fructose to demonstrate a potential of artificial bio-synthetic pathway using thermophilic enzymes. <i>Journal of Biotechnology</i> , <b>2010</b> , 148, 204-7	3.7	23
94	A method for screening remove polyphosphate-accumulating mutants which remove phosphate efficiently from synthetic wastewater. <i>Journal of Bioscience and Bioengineering</i> , <b>2003</b> , 95, 637-640	3.3	23
93	Development of a genetic transformation system for benzene-tolerant <i>Rhodococcus opacus</i> strains. <i>Journal of Bioscience and Bioengineering</i> , <b>2005</b> , 99, 408-14	3.3	23
92	Isolation and characterization of two cryptic plasmids in the ammonia-oxidizing bacterium <i>Nitrosomonas</i> sp. strain ENI-11. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 3375-81	3.5	23
91	Chemotaxis away from thiocyanic and isothiocyanic esters in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , <b>1993</b> , 113, 63-6	2.9	23
90	Chromate-resistance in a chromate-reducing strain of <i>Enterobacter cloacae</i> . <i>FEMS Microbiology Letters</i> , <b>1990</b> , 67, 85-88	2.9	23
89	Characterization of an organic-solvent-tolerant <i>Brevibacillus agri</i> strain 13 able to stabilize solvent/water emulsion. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 297, 225-33	2.9	22

88	Stabilization of water-in-oil emulsion by <i>Rhodococcus opacus</i> B-4 and its application to biotransformation. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 78, 767-73	5.7	22
87	Bacterial Reduction of Hexavalent Chromium: Kinetic Aspects of Chromate Reduction by <i>Enterobacter cloacae</i> HO1. <i>Biocatalysis</i> , <b>1990</b> , 4, 227-235		22
86	Glycosylation analysis of an aggregated antibody produced by Chinese hamster ovary cells in bioreactor culture. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 639-44	3.3	21
85	Development of a continuous bioconversion system using a thermophilic whole-cell biocatalyst. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 1996-2001	4.8	21
84	Decrease in antithrombin III fucosylation by expressing GDP-fucose transporter siRNA in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 168-73	3.3	21
83	Enhancement of acetic acid production in a high cell-density culture of <i>Acetobacter aceti</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>1989</b> , 68, 315-319		21
82	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> , <b>2004</b> , 97, 184-90	3.3	20
81	High-rate acetic acid production in a shallow flow bioreactor. <i>Applied Microbiology and Biotechnology</i> , <b>1989</b> , 30, 559	5.7	20
80	Directed evolution of thermotolerant malic enzyme for improved malate production. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 147-152	3.3	18
79	Use of hydrophobic bacterium <i>Rhodococcus rhodochrous</i> NBRC15564 expressed thermophilic alcohol dehydrogenases as whole-cell catalyst in solvent-free organic media. <i>Process Biochemistry</i> , <b>2013</b> , 48, 838-843	4.8	18
78	Cloning and characterization of <i>Pseudomonas putida</i> genes encoding the phosphate-specific transport system. <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 273-9	3.3	18
77	A simple technology for phosphorus recovery using acid-treated concrete sludge. <i>Separation and Purification Technology</i> , <b>2016</b> , 165, 173-178	8.3	15
76	Generation of high-producing cell lines by overexpression of cell division cycle 25 homolog A in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 116, 754-60	3.3	15
75	Pilot Plant Tests on the Novel Process for Phosphorus Recovery from Municipal Wastewater. <i>Journal of Chemical Engineering of Japan</i> , <b>2003</b> , 36, 1143-1146	0.8	15
74	In vitro conversion of glycerol to lactate with thermophilic enzymes. <i>Bioresources and Bioprocessing</i> , <b>2014</b> , 1,	5.2	14
73	Rapid construction of transgene-amplified CHO cell lines by cell cycle checkpoint engineering. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 5731-41	5.7	14
72	Effect of cell-surface hydrophobicity on bacterial conversion of water-immiscible chemicals in two-liquid-phase culture systems. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 108, 116-20	3.3	14
71	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> , <b>2000</b> , 182, 825-8	3.5	14

70	A mobile pilot-scale plant for in situ demonstration of phosphorus recovery from wastewater using amorphous calcium silicate hydrates. <i>Separation and Purification Technology</i> , <b>2016</b> , 170, 116-121	8.3	13
69	Identification and analysis of specific chromosomal region adjacent to exogenous Dhfr-amplified region in Chinese hamster ovary cell genome. <i>Journal of Bioscience and Bioengineering</i> , <b>2010</b> , 109, 504-113	7.3	13
68	The Effects of Cyclodextrins on Autoinducer Activities of Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2002</b> , 44, 381-382		13
67	Ethanol production in horizontal bioreactor. <i>Applied Microbiology and Biotechnology</i> , <b>1986</b> , 24, 97-101	5.7	13
66	Effect of mineral elements on phosphorus release from heated sewage sludge. <i>Bioresource Technology</i> , <b>2007</b> , 98, 2533-7	11	12
65	Effects of oxygen stress on chromate reduction in <i>Enterobacter cloacae</i> strain HO1. <i>Journal of Bioscience and Bioengineering</i> , <b>1990</b> , 69, 67-69		12
64	Fluorescence in situ hybridization using bacterial artificial chromosome (BAC) clones for the analysis of chromosome rearrangement in Chinese hamster ovary cells. <i>Methods</i> , <b>2012</b> , 56, 418-23	4.6	11
63	Optimal operation of bioreactor system developed for the treatment of chromate wastewater using <i>enterobacter cloacae</i> HO-1. <i>Water Science and Technology</i> , <b>1996</b> , 34, 173-182	2.2	11
62	Isolation and characterization of a thermotolerant ene reductase from <i>Geobacillus</i> sp. 30 and its heterologous expression in <i>Rhodococcus opacus</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 5925-35	5.7	10
61	A comparison between the human sense of smell and neural activity in the olfactory bulb of rats. <i>Chemical Senses</i> , <b>2014</b> , 39, 91-105	4.8	10
60	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> , <b>2002</b> , 93, 416-420	3.3	10
59	Expression of <i>Pseudomonas aeruginosa</i> aer-2, one of two aerotaxis transducer genes, is controlled by RpoS. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 1533-5	3.5	10
58	Chemotaxis of the nematode <i>Caenorhabditis elegans</i> toward cycloheximide and quinine hydrochloride. <i>Journal of Bioscience and Bioengineering</i> , <b>2001</b> , 91, 322-4	3.3	10
57	A kinetic study of acetic acid production by liquid-surface cultures of <i>Acetobacter aceti</i> . <i>Applied Microbiology and Biotechnology</i> , <b>1990</b> , 33, 259-263	5.7	9
56	A Dynamic Body Model of the Nematode <i>C. elegans</i> with Neural Oscillators. <i>Journal of Robotics and Mechatronics</i> , <b>2005</b> , 17, 318-326	0.7	9
55	Thermal analysis for differentiating between oleaginous and non-oleaginous microorganisms. <i>Biochemical Engineering Journal</i> , <b>2011</b> , 57, 23-29	4.2	8
54	Systematic screening of <i>Escherichia coli</i> single-gene knockout mutants for improving recombinant whole-cell biocatalysts. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 647-55	5.7	8
53	Transcriptional analysis of the multicopy hao gene coding for hydroxylamine oxidoreductase in <i>Nitrosomonas</i> sp. strain ENI-11. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2006</b> , 70, 1875-81	2.1	8

52	Evaluation of phosphate removal from water by immobilized phosphate-binding protein PstS. <i>Journal of Bioscience and Bioengineering</i> , <b>2000</b> , 90, 688-690	3.3	8
51	Bacterial motility as a potential tool for rapid toxicity assays. <i>Biotechnology Letters</i> , <b>1993</b> , 7, 457-462		8
50	Online measurement of the respiratory activity in shake flasks enables the identification of cultivation phases and patterns indicating recombinant protein production in various <i>Escherichia coli</i> host strains. <i>Biotechnology Progress</i> , <b>2018</b> , 34, 315-327	2.8	7
49	Construction of an in vitro bypassed pyruvate decarboxylation pathway using thermostable enzyme modules and its application to N-acetylglutamate production. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 91	6.4	7
48	An artificial neural network approach for glomerular activity pattern prediction using the graph kernel method and the gaussian mixture functions. <i>Chemical Senses</i> , <b>2011</b> , 36, 413-24	4.8	7
47	Effects of palindrome structure on Dhfr amplification in Chinese hamster ovary cells. <i>Process Biochemistry</i> , <b>2010</b> , 45, 1845-1851	4.8	7
46	Membrane-bound respiratory system of <i>Enterobacter cloacae</i> strain HO1 grown anaerobically with chromate. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 62, 11-5	2.9	7
45	Electron microscopic analysis of heat-induced leakage of polyphosphate from a phoU mutant of <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2010</b> , 74, 865-8	2.1	6
44	Inhibitory effect of ethanol on ethanol fermentation.. <i>Journal of General and Applied Microbiology</i> , <b>1987</b> , 33, 421-428	1.5	6
43	High-level production of (5S)-hydroxyhexane-2-one by two thermostable oxidoreductases in a whole-cell catalytic approach. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 121, 37-44		5
42	Heatphos Process for Recovering Phosphorus from Bio-P Sludge Before Anaerobic Digestion <b>2019</b> , 515-526		5
41	Biomimetic control based on a model of chemotaxis in <i>Escherichia coli</i> . <i>Artificial Life</i> , <b>2010</b> , 16, 155-77	1.4	5
40	Integrated biooxidation and acid dehydration process for monohydroxylation of aromatics. <i>Process Biochemistry</i> , <b>2007</b> , 42, 46-51	4.8	5
39	Mutational analysis of the multicopy hao gene coding for hydroxylamine oxidoreductase in <i>Nitrosomonas</i> sp. strain ENI-11. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2000</b> , 64, 1754-7	2.1	5
38	Phosphate permeability in cells of <i>Chlorella ellipsoidea</i> . <i>Biotechnology Letters</i> , <b>1979</b> , 1, 245-250	3	5
37	Overexpression of mutant cell division cycle 25 homolog B (CDC25B) enhances the efficiency of selection in Chinese hamster ovary cells. <i>Cytotechnology</i> , <b>2013</b> , 65, 1017-26	2.2	4
36	Simultaneous thermogravimetry and differential thermal analysis for comparing burning characteristics between oleaginous and non-oleaginous microorganisms. <i>Thermochimica Acta</i> , <b>2011</b> , 517, 115-120	2.9	4
35	Isolation and characterization of cbbL and cbbS genes encoding form I ribulose-1,5-bisphosphate carboxylase/oxygenase large and small subunits in <i>Nitrosomonas</i> sp. strain ENI-11. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2002</b> , 66, 632-5	2.1	4



34	RECOVERY OF ARTIFICIAL PHOSPHORUS RESOURCE FROM WASTES. <i>Sociotechnica</i> , <b>2008</b> , 5, 106-113		4
33	Modeling of the Membrane Potential Change of Paramecium for Mechanical Stimuli. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2005</b> , 41, 351-357	0.1	4
32	Simple technology for recycling phosphate from wastewater to farmland in rural areas. <i>Ambio</i> , <b>2018</b> , 47, 83-92	6.5	3
31	Bio-mimetic Control of Mobile Robots Based on a Model of Bacterial Chemotaxis.. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , <b>2002</b> , 68, 2687-2694 <sup>3</sup>		
30	Isolation and characterization of the Enterobacter cloacae cheR mutant defective in phosphate taxis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2001</b> , 65, 456-8	2.1	3
29	Application of multi-stage continuous culture for estimating net rate of plasmid transfer.. <i>Journal of General and Applied Microbiology</i> , <b>1990</b> , 36, 279-282	1.5	3
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