

Toshiaki Fukui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9363408/publications.pdf>

Version: 2024-02-01

108
papers

6,120
citations

53794

45
h-index

76900

74
g-index

110
all docs

110
docs citations

110
times ranked

4097
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete genome sequence of the hyperthermophilic archaeon <i>Thermococcus kodakaraensis</i> KOD1 and comparison with <i>Pyrococcus</i> genomes. <i>Genome Research</i> , 2005, 15, 352-363.	5.5	376
2	Production of a novel copolyester of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids by <i>Pseudomonas</i> sp. 61-3 from sugars. <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 363-370.	3.6	277
3	Description of <i>Thermococcus kodakaraensis</i> sp. nov., a well studied hyperthermophilic archaeon previously reported as <i>Pyrococcus</i> sp. KOD1. <i>Archaea</i> , 2004, 1, 263-267.	2.3	261
4	Cloning and analysis of the poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) biosynthesis genes of <i>Aeromonas caviae</i> . <i>Journal of Bacteriology</i> , 1997, 179, 4821-4830.	2.2	260
5	Targeted Gene Disruption by Homologous Recombination in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bacteriology</i> , 2003, 185, 210-220.	2.2	254
6	Cloning and Molecular Analysis of the Poly(3-hydroxybutyrate) and Poly(3-hydroxybutyrate-co-3-hydroxyalkanoate) Biosynthesis Genes in <i>Pseudomonas</i> sp. Strain 61-3. <i>Journal of Bacteriology</i> , 1998, 180, 6459-6467.	2.2	205
7	Improved and Versatile Transformation System Allowing Multiple Genetic Manipulations of the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 3889-3899.	3.1	198
8	Expression and Characterization of (R)-Specific Enoyl Coenzyme A Hydratase Involved in Polyhydroxyalkanoate Biosynthesis by <i>Aeromonas caviae</i> . <i>Journal of Bacteriology</i> , 1998, 180, 667-673.	2.2	196
9	A Unique Chitinase with Dual Active Sites and Triple Substrate Binding Sites from the Hyperthermophilic Archaeon <i>Pyrococcus kodakaraensis</i> KOD1. <i>Applied and Environmental Microbiology</i> , 1999, 65, 5338-5344.	3.1	154
10	Continuous hydrogen production by the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Biotechnology</i> , 2005, 116, 271-282.	3.8	148
11	Molecular cloning of two (R)-specific enoyl-CoA hydratase genes from <i>Pseudomonas aeruginosa</i> and their use for polyhydroxyalkanoate synthesis. <i>FEMS Microbiology Letters</i> , 2000, 184, 193-198.	1.8	116
12	Disruption of a Sugar Transporter Gene Cluster in a Hyperthermophilic Archaeon Using a Host-Marker System Based on Antibiotic Resistance. <i>Journal of Bacteriology</i> , 2007, 189, 2683-2691.	2.2	101
13	Characterization of an Exo- β -D-Glucosaminidase Involved in a Novel Chitinolytic Pathway from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bacteriology</i> , 2003, 185, 5175-5181.	2.2	97
14	Identification of carotenoids from the extremely halophilic archaeon <i>Haloarcula japonica</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 100.	3.5	92
15	Co-expression of 3-ketoacyl-ACP reductase and polyhydroxyalkanoate synthase genes induces PHA production in <i>Escherichia coli</i> HB101 strain. <i>FEMS Microbiology Letters</i> , 1999, 176, 183-190.	1.8	89
16	Different Cleavage Specificities of the Dual Catalytic Domains in Chitinase from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Biological Chemistry</i> , 2001, 276, 35629-35635.	3.4	89
17	Genetic Evidence Identifying the True Gluconeogenic Fructose-1,6-Bisphosphatase in <i>Thermococcus kodakaraensis</i> and Other Hyperthermophiles. <i>Journal of Bacteriology</i> , 2004, 186, 5799-5807.	2.2	88
18	Crystal Structure of a Novel-Type Archaeal Rubisco with Pentagonal Symmetry. <i>Structure</i> , 2001, 9, 473-481.	3.3	82

#	ARTICLE	IF	CITATIONS
19	Complete Biosynthetic Pathway of the C ₅₀ Carotenoid Bacterioruberin from Lycopene in the Extremely Halophilic Archaeon Haloarcula japonica. Journal of Bacteriology, 2015, 197, 1614-1623.	2.2	81
20	Biosynthesis of polyhydroxyalkanoates (PHA) by recombinant Ralstonia eutropha and effects of PHA synthase activity on in vivo PHA biosynthesis. International Journal of Biological Macromolecules, 1999, 25, 69-77.	7.5	79
21	Concerted Action of Diacetylchitobiose Deacetylase and Exo-β-D-glucosaminidase in a Novel Chitinolytic Pathway in the Hyperthermophilic Archaeon Thermococcus kodakaraensis KOD1. Journal of Biological Chemistry, 2004, 279, 30021-30027.	3.4	78
22	Co-expression of polyhydroxyalkanoate synthase and (R)-enoyl-CoA hydratase genes of Aeromonas caviae establishes copolyester biosynthesis pathway in Escherichia coli. FEMS Microbiology Letters, 1999, 170, 69-75.	1.8	77
23	Engineering of Ralstonia eutropha for Production of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from Fructose and Solid-State Properties of the Copolymer. Biomacromolecules, 2002, 3, 618-624.	5.4	77
24	Phosphoenolpyruvate synthase plays an essential role for glycolysis in the modified Embden-Meyerhof pathway in Thermococcus kodakaraensis. Molecular Microbiology, 2006, 61, 898-909.	2.5	75
25	Microbial Diversity in Sediments from the Bottom of the Challenger Deep, the Mariana Trench. Microbes and Environments, 2018, 33, 186-194.	1.6	75
26	Crystal Structure of the (R)-Specific Enoyl-CoA Hydratase from Aeromonas caviae Involved in Polyhydroxyalkanoate Biosynthesis. Journal of Biological Chemistry, 2003, 278, 617-624.	3.4	73
27	A Novel Candidate for the True Fructose-1,6-bisphosphatase in Archaea. Journal of Biological Chemistry, 2002, 277, 30649-30655.	3.4	71
28	Conversion of rice husks to polyhydroxyalkanoates (PHA) via a three-step process: optimized alkaline pretreatment, enzymatic hydrolysis, and biosynthesis by Burkholderia cepacia USM (JCM 15050). Journal of Chemical Technology and Biotechnology, 2017, 92, 100-108.	3.2	69
29	Engineering of pha operon on Cupriavidus necator chromosome for efficient biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from vegetable oil. Polymer Degradation and Stability, 2010, 95, 1305-1312.	5.8	66
30	Biosynthesis of polyhydroxyalkanoate copolymers from methanol by Methylobacterium extorquens AM1 and the engineered strains under cobalt-deficient conditions. Applied Microbiology and Biotechnology, 2014, 98, 3715-3725.	3.6	66
31	Detection of phase-dependent transcriptomic changes and Rubisco-mediated CO ₂ fixation into poly(3-hydroxybutyrate) under heterotrophic condition in Ralstonia eutropha H16 based on RNA-seq and gene deletion analyses. BMC Microbiology, 2013, 13, 169.	3.3	63
32	Characterization of 13 kDa Granule-Associated Protein in Aeromonas caviae and Biosynthesis of Polyhydroxyalkanoates with Altered Molar Composition by Recombinant Bacteria. Biomacromolecules, 2001, 2, 148-153.	5.4	61
33	Microbial Synthesis of Poly((R)-3-hydroxybutyrate-co-3-hydroxypropionate) from Unrelated Carbon Sources by Engineered Cupriavidus necator. Biomacromolecules, 2009, 10, 700-706.	5.4	60
34	A Membrane-Bound Archaeal Lon Protease Displays ATP-Independent Proteolytic Activity towards Unfolded Proteins and ATP-Dependent Activity for Folded Proteins. Journal of Bacteriology, 2002, 184, 3689-3698.	2.2	58
35	Targeted engineering of Cupriavidus necator chromosome for biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from vegetable oil. Canadian Journal of Chemistry, 2008, 86, 621-627.	1.1	58
36	Characterization of an Archaeal Cyclodextrin Glucanotransferase with a Novel C-Terminal Domain. Journal of Bacteriology, 2002, 184, 777-784.	2.2	57

#	ARTICLE	IF	CITATIONS
37	Production of Biodegradable Polyester by a Transgenic Tobacco. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 870-874.	1.3	55
38	ATP-citrate lyase from the green sulfur bacterium <i>Chlorobium limicolais</i> a heteromeric enzyme composed of two distinct gene products. <i>FEBS Journal</i> , 2001, 268, 1670-1678.	0.2	53
39	Ribulose biphosphate carboxylase/oxygenase from the hyperthermophilic archaeon <i>Pyrococcus kodakaraensis</i> KOD1 is composed solely of large subunits and forms a pentagonal structure. <i>Journal of Molecular Biology</i> , 1999, 293, 57-66.	4.2	52
40	Evaluation of promoters for gene expression in polyhydroxyalkanoate-producing <i>Cupriavidus necator</i> H16. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1527-1536.	3.6	52
41	Modification of β -oxidation pathway in <i>Ralstonia eutropha</i> for production of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from soybean oil. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 184-190.	2.2	52
42	Metal-binding properties of phytochelatin-related peptides. <i>Journal of Inorganic Biochemistry</i> , 2001, 86, 595-602.	3.5	51
43	Presence of a Novel Phosphopentomutase and a 2-Deoxyribose 5-Phosphate Aldolase Reveals a Metabolic Link between Pentoses and Central Carbon Metabolism in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 4185-4191.	2.2	50
44	Characterization and Functional Analyses of ϵ -Specific Enoyl Coenzyme A Hydratases in Polyhydroxyalkanoate-Producing <i>Ralstonia eutropha</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 493-502.	3.1	50
45	Stereoselective esterification of halogen-containing carboxylic acids by lipase in organic solvent: effects of alcohol chain length. <i>Applied Microbiology and Biotechnology</i> , 1990, 34, 47.	3.6	48
46	Characterization of isocitrate dehydrogenase from the green sulfur bacterium <i>Chlorobium limicola</i> . <i>FEBS Journal</i> , 2002, 269, 1926-1931.	0.2	46
47	First Characterization of an Archaeal GTP-Dependent Phosphoenolpyruvate Carboxykinase from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bacteriology</i> , 2004, 186, 4620-4627.	2.2	46
48	Title is missing!. <i>Biotechnology Letters</i> , 1997, 19, 1093-1097.	2.2	45
49	New Insight into the Role of the Calvin Cycle: Reutilization of CO ₂ Emitted through Sugar Degradation. <i>Scientific Reports</i> , 2015, 5, 11617.	3.3	45
50	Overview of the genetic tools in the Archaea. <i>Frontiers in Microbiology</i> , 2012, 3, 337.	3.5	39
51	Random mutagenesis of a hyperthermophilic archaeon identified tRNA modifications associated with cellular hyperthermotolerance. <i>Nucleic Acids Research</i> , 2019, 47, 1964-1976.	14.5	38
52	Genetic Analysis of <i>Comamonas acidovorans</i> Polyhydroxyalkanoate Synthase and Factors Affecting the Incorporation of 4-Hydroxybutyrate Monomer. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3437-3443.	3.1	38
53	Improved production of poly(4-hydroxybutyrate) by <i>Comamonas acidovorans</i> and its freeze-fracture morphology. <i>International Journal of Biological Macromolecules</i> , 1999, 25, 79-85.	7.5	37
54	Improvement of Alkaliphily of <i>Bacillus</i> Alkaline Xylanase by Introducing Amino Acid Substitutions Both on Catalytic Cleft and Protein Surface. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 965-967.	1.3	36

#	ARTICLE	IF	CITATIONS
55	Identification of mutation points in <i>Cupriavidus necator</i> NCIMB 11599 and genetic reconstitution of glucose-utilization ability in wild strain H16 for polyhydroxyalkanoate production. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 63-69.	2.2	36
56	Enhancement of glycerol utilization ability of <i>Ralstonia eutropha</i> H16 for production of polyhydroxyalkanoates. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7559-7568.	3.6	36
57	Enzymatic preparation of optically active silyl-methanol derivatives having a stereogenic silicon atom by hydrolase-catalyzed enantioselective esterification. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 73-82.	1.8	35
58	Biosynthesis of Polyester Blends by <i>Pseudomonas</i> sp. 61-3 from Alkanoic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 515-520.	3.2	35
59	Reversible RNA phosphorylation stabilizes tRNA for cellular thermotolerance. <i>Nature</i> , 2022, 605, 372-379.	27.8	35
60	A Novel ADP-forming Succinyl-CoA Synthetase in <i>Thermococcus kodakaraensis</i> Structurally Related to the Archaeal Nucleoside Diphosphate-forming Acetyl-CoA Synthetases. <i>Journal of Biological Chemistry</i> , 2007, 282, 26963-26970.	3.4	34
61	Application of a novel thermostable NAD(P)H oxidase from hyperthermophilic archaeon for the regeneration of both NAD ⁺ and NADP ⁺ . <i>Biotechnology and Bioengineering</i> , 2012, 109, 53-62.	3.3	34
62	Molecular identification of a novel β -1,3-glucanase from alkaliphilic <i>Nocardiopsis</i> sp. strain F96. <i>Extremophiles</i> , 2006, 10, 251-255.	2.3	32
63	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 579-584.	2.2	31
64	Chitinase from <i>Thermococcus kodakaraensis</i> KOD1. <i>Methods in Enzymology</i> , 2001, 330, 319-329.	1.0	29
65	Characterization of an archaeal malic enzyme from the hyperthermophilic archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Archaea</i> , 2005, 1, 293-301.	2.3	29
66	Improved artificial pathway for biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) with high C6-monomer composition from fructose in <i>Ralstonia eutropha</i> . <i>Metabolic Engineering</i> , 2015, 27, 38-45.	7.0	29
67	Gene cloning and characterization of fructose-1,6-bisphosphate aldolase from the hyperthermophilic archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 237-243.	2.2	28
68	Metabolite profiles of polyhydroxyalkanoate-producing <i>Ralstonia eutropha</i> H16. <i>Metabolomics</i> , 2014, 10, 190-202.	3.0	27
69	Kinetic and biochemical analyses on the reaction mechanism of a bacterial ATP-citrate lyase. <i>FEBS Journal</i> , 2002, 269, 3409-3416.	0.2	26
70	Gene Analysis, Expression, and Characterization of an Intracellular β -Amylase from the Extremely Halophilic Archaeon <i>Haloarcula japonica</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 281-288.	1.3	26
71	Characterization of a Novel Glucosamine-6-Phosphate Deaminase from a Hyperthermophilic Archaeon. <i>Journal of Bacteriology</i> , 2005, 187, 7038-7044.	2.2	25
72	Thermostable Alcohol Dehydrogenase from <i>Thermococcus kodakaraensis</i> KOD1 for Enantioselective Bioconversion of Aromatic Secondary Alcohols. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2209-2217.	3.1	24

#	ARTICLE	IF	CITATIONS
73	Modification of acetoacetyl-CoA reduction step in <i>Ralstonia eutropha</i> for biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from structurally unrelated compounds. <i>Microbial Cell Factories</i> , 2019, 18, 147.	4.0	24
74	Efficient kinetic resolution of organosilicon compounds by stereoselective esterification with hydrolases in organic solvent. <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 482.	3.6	23
75	Characterization of NADH Oxidase/NADPH Polysulfide Oxidoreductase and Its Unexpected Participation in Oxygen Sensitivity in an Anaerobic Hyperthermophilic Archaeon. <i>Journal of Bacteriology</i> , 2010, 192, 5192-5202.	2.2	22
76	Biosynthesis of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from CO ₂ by a Recombinant <i>Cupriavidus necator</i> . <i>Bioengineering</i> , 2021, 8, 179.	3.5	22
77	Kinetic resolution of organosilicon compounds by stereoselective dehydrogenation with horse liver alcohol dehydrogenase. <i>Applied Microbiology and Biotechnology</i> , 1992, 38, 209-13.	3.6	21
78	Factors affecting the freeze-fracture morphology of in vivo polyhydroxyalkanoate granules. <i>Canadian Journal of Microbiology</i> , 2000, 46, 304-311.	1.7	21
79	Fractionation and thermal characteristics of biosynthesized polyhydroxyalkanoates bearing aromatic groups as side chains. <i>Polymer Journal</i> , 2017, 49, 557-565.	2.7	21
80	Compositional regulation of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by replacement of granule-associated protein in <i>Ralstonia eutropha</i> . <i>Microbial Cell Factories</i> , 2015, 14, 187.	4.0	20
81	Morphological and ¹³ C-nuclear magnetic resonance studies for polyhydroxyalkanoate biosynthesis in <i>Pseudomonas</i> sp. 61-3. <i>FEMS Microbiology Letters</i> , 1998, 164, 219-225.	1.8	18
82	Gene Cloning and Characterization of Fructose-1,6-Bisphosphate Aldolase from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 237-243.	2.2	17
83	Enzymatic preparation of d - p - trimethylsilylphenylalanine. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 114-119.	3.6	16
84	Methionine Sulfoxide Reductase from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> , an Enzyme Designed To Function at Suboptimal Growth Temperatures. <i>Journal of Bacteriology</i> , 2007, 189, 7134-7144.	2.2	16
85	Mutational Analysis of a CBM Family 5 Chitin-Binding Domain of an Alkaline Chitinase from <i>Bacillus</i> sp. J813. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 530-535.	1.3	16
86	Characterization of Two Members among the Five ADP-Forming Acyl Coenzyme A (Acyl-CoA) Synthetases Reveals the Presence of a 2-(Imidazol-4-yl)Acetyl-CoA Synthetase in <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2014, 196, 140-147.	2.2	15
87	Two NADH-dependent (S)-3-hydroxyacyl-CoA dehydrogenases from polyhydroxyalkanoate-producing <i>Ralstonia eutropha</i> . <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 294-300.	2.2	14
88	Enhancement of bioplastic polyhydroxybutyrate P(3HB) production from glucose by newly engineered strain <i>Cupriavidus necator</i> NSDG-GG using response surface methodology. <i>3 Biotech</i> , 2018, 8, 330.	2.2	13
89	Genetic Examination and Mass Balance Analysis of Pyruvate/Amino Acid Oxidation Pathways in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2014, 196, 3831-3839.	2.2	12
90	A study on the effects of increment and decrement repeated fed-batch feeding of glucose on the production of poly(3-hydroxybutyrate) [P(3HB)] by a newly engineered <i>Cupriavidus necator</i> NSDG-GG mutant in batch fill-and-draw fermentation. <i>Journal of Biotechnology</i> , 2020, 307, 77-86.	3.8	12

#	ARTICLE	IF	CITATIONS
91	A Calcium-Dependent Xylan-Binding Domain of Alkaline Xylanase from Alkaliphilic <i>Bacillus</i> sp. Strain 41M-1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 379-381.	1.3	11
92	Biosynthesis of Polyhydroxyalkanoate Terpolymer from Methanol via the Reverse β^2 -Oxidation Pathway in the Presence of Lanthanide. <i>Microorganisms</i> , 2022, 10, 184.	3.6	10
93	Isopropanol production with reutilization of glucose-derived CO ₂ by engineered <i>Ralstonia eutropha</i> . <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 479-486.	2.2	9
94	Crystallization and preliminary X-ray analysis of (R)-specific enoyl-CoA hydratase from <i>Aeromonas caviae</i> involved in polyhydroxyalkanoate biosynthesis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 145-147.	2.5	7
95	Additional Carbohydrate-Binding Modules Enhance the Insoluble Substrate-Hydrolytic Activity of β^2 -1,3-Glucanase from Alkaliphilic <i>Nocardia</i> sp. F96. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1078-1082.	1.3	6
96	Characterization of isocitrate dehydrogenase from the green sulfur bacterium <i>Chlorobium limicola</i> . A carbon dioxide-fixing enzyme in the reductive tricarboxylic acid cycle. <i>FEBS Journal</i> , 2002, 269, 1926-1931.	0.2	6
97	Enantioselective Bioconversion of Non-Natural Compounds. <i>Biocatalysis</i> , 1994, 9, 343-352.	0.9	5
98	Characterization and gene deletion analysis of four homologues of group 3 pyridine nucleotide disulfide oxidoreductases from <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2014, 18, 603-616.	2.3	5
99	Functional Improvement of Xylanase by Introducing Mutated Xylan-binding Domain. <i>Journal of Applied Glycoscience</i> (1999), 2006, 53, 131-136.	0.7	4
100	Analysis of Functional Domains and Improvement of Alkaliphily of an Alkaline Xylanase on the Basis of Its Three-dimensional Structure. <i>Journal of Applied Glycoscience</i> (1999), 2010, 57, 145-150.	0.7	4
101	Molecular cloning of two (R)-specific enoyl-CoA hydratase genes from <i>Pseudomonas aeruginosa</i> and their use for polyhydroxyalkanoate synthesis. <i>FEMS Microbiology Letters</i> , 2000, 184, 193-198.	1.8	3
102	Biosynthesis of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) From Glucose by <i>Escherichia coli</i> Through Butyryl-CoA Formation Driven by Ccr-Emd Combination. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	3
103	Bioconversion of Nonnatural Organic Compounds.. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 431-435.	3.8	2
104	Anti-phytochelatin monoclonal antibody. <i>Biotechnology Letters</i> , 2000, 22, 1423-1428.	2.2	2
105	Methylotrophic bacterium-based molecular sensor for the detection of low concentrations of methanol. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 247-252.	2.2	2
106	Characterization of a GlgC homolog from extremely halophilic archaeon <i>Haloarcula japonica</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1441-1447.	1.3	1
107	Co-expression of polyhydroxyalkanoate synthase and (R)-enoyl-CoA hydratase genes of <i>Aeromonas caviae</i> establishes copolyester biosynthesis pathway in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1999, 170, 69-75.	1.8	1
108	ATP-citrate lyase from the green sulfur bacterium <i>Chlorobium limicola</i> is a heteromeric enzyme composed of two distinct gene products. <i>FEBS Journal</i> , 2001, 268, 1670-1678.	0.2	1