

# Haruyuki Atomi

## List of Publications by Year in descending order

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165  
papers

6,496  
citations

57758

44  
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79698

73  
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170  
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170  
docs citations

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times ranked

4772  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lipote-Protein Ligase Is Required for <i>De Novo</i> Lipoyl-Protein Biosynthesis in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	1
2	Regulation of thermoregulatory behavior by commensal bacteria in <i>Drosophila</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 1060-1070.	1.3	2
3	Degradation of complex arabinoxylans by human colonic Bacteroidetes. <i>Nature Communications</i> , 2021, 12, 459.	12.8	68
4	TK1211 Encodes an Amino Acid Racemase towards Leucine and Methionine in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	2
5	Altering the Phosphorylation Position of Pyrophosphate-Dependent <i>myo</i> -Inositol-1-Kinase Based on Its Crystal Structure. <i>ACS Chemical Biology</i> , 2021, 16, 794-799.	3.4	2
6	Identification and enzymatic analysis of an archaeal ATP-dependent serine kinase from the hyperthermophilic archaeon <i>Staphylothermus marinus</i> . <i>Journal of Bacteriology</i> , 2021, 203, e0002521.	2.2	5
7	Branched-chain polyamine stabilizes RNA polymerase at elevated temperatures in hyperthermophiles. <i>Amino Acids</i> , 2020, 52, 275-285.	2.7	5
8	Crystal structure of pantoate kinase from <i>Thermococcus kodakarensis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 718-724.	2.6	4
9	A Structurally Novel Lipoyl Synthase in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	5
10	Total Syntheses of C60- and C100-Dolichols. <i>Journal of Organic Chemistry</i> , 2020, 85, 11549-11559.	3.2	2
11	Effects of high-level expression of A1-ATPase on H <sub>2</sub> production in <i>Thermococcus kodakarensis</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 149-158.	2.2	0
12	Different Proteins Mediate Step-Wise Chromosome Architectures in <i>Thermoplasma acidophilum</i> and <i>Pyrobaculum calidifontis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1247.	3.5	9
13	Thermophilic Degradation of Hemicellulose, a Critical Feedstock in the Production of Bioenergy and Other Value-Added Products. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	13
14	Integration of large heterologous DNA fragments into the genome of <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2020, 24, 339-353.	2.3	2
15	Structural Insight into [NiFe] Hydrogenase Maturation by Transient Complexes between Hyp Proteins. <i>Accounts of Chemical Research</i> , 2020, 53, 875-886.	15.6	24
16	Distinct Modified Nucleosides in tRNA <sup>Trp</sup> from the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> and Requirement of tRNA <sup>m<sup>2</sup>G10/m<sup>2</sup>G10</sup> Methyltransferase (Archaeal Trm11) for Survival at High Temperatures. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	15
17	Identification of Dephospho-Coenzyme A (Dephospho-CoA) Kinase in <i>Thermococcus kodakarensis</i> and Elucidation of the Entire CoA Biosynthesis Pathway in Archaea. <i>MBio</i> , 2019, 10, .	4.1	11
18	The TK0271 Protein Activates Transcription of Aromatic Amino Acid Biosynthesis Genes in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>MBio</i> , 2019, 10, .	4.1	0

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19	Microbe Profile: <i>Thermococcus kodakarensis</i> : the model hyperthermophilic archaeon. <i>Microbiology (United Kingdom)</i> , 2019, 165, 1166-1168.	1.8	10
20	A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile. <i>Science</i> , 2018, 359, 559-563.	12.6	155
21	Phytoene production utilizing the isoprenoid biosynthesis capacity of <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2018, 22, 301-313.	2.3	13
22	An ornithine $\gamma$ -aminotransferase required for growth in the absence of exogenous proline in the archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 3625-3636.	3.4	6
23	Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> Utilizes a Four-Step Pathway for NAD <sup>+</sup> Salvage through Nicotinamide Deamination. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	9
24	Crystal structures of an archaeal chitinase ChiD and its ligand complexes. <i>Glycobiology</i> , 2018, 28, 418-426.	2.5	3
25	Identification of the glucosamine kinase in the chitinolytic pathway of <i>Thermococcus kodakarensis</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 320-326.	2.2	11
26	Identification of a pyrophosphate-dependent kinase and its donor selectivity determinants. <i>Nature Communications</i> , 2018, 9, 1765.	12.8	17
27	Structure of a [NiFe] hydrogenase maturation protease Hycl provides insights into its substrate selectivity. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 782-788.	2.1	4
28	A Phosphofructokinase Homolog from <i>Pyrobaculum calidifontis</i> Displays Kinase Activity towards Pyrimidine Nucleosides and Ribose 1-Phosphate. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	10
29	Crystal structures of a [NiFe] hydrogenase large subunit HyhL in an immature state in complex with a Ni chaperone HypA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7045-7050.	7.1	27
30	Development of an Enzymatic Cycling Method Using Pyruvate Kinase for Assaying Pyruvate or Phosphoenolpyruvate. <i>Current Biotechnology</i> , 2018, 7, 125-131.	0.4	3
31	Structural Study on the Reaction Mechanism of a Free Serine Kinase Involved in Cysteine Biosynthesis. <i>ACS Chemical Biology</i> , 2017, 12, 1514-1523.	3.4	7
32	An <i>In Vitro</i> Enzyme System for the Production of <i>myo</i> -Inositol from Starch. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	41
33	Engineering of the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> for Chitin-Dependent Hydrogen Production. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	17
34	Structure and function of an ancestral-type $\beta^2$ -decarboxylating dehydrogenase from <i>Thermococcus kodakarensis</i> . <i>Biochemical Journal</i> , 2017, 474, 105-122.	3.7	6
35	An archaeal RNA binding protein, FAU-1, is a novel ribonuclease related to rRNA stability in <i>Pyrococcus</i> and <i>Thermococcus</i> . <i>Scientific Reports</i> , 2017, 7, 12674.	3.3	4
36	Possible function of the second RecJ-like protein in stalled replication fork repair by interacting with Hef. <i>Scientific Reports</i> , 2017, 7, 16949.	3.3	8

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37	Metabolism Dealing with Thermal Degradation of NAD <sup>+</sup> in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	15
38	Gene regulation of two ferredoxin:NADP <sup>+</sup> oxidoreductases by the redox-responsive regulator SurR in <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2017, 21, 903-917.	2.3	6
39	Genetic analyses of the functions of [NiFe]-hydrogenase maturation endopeptidases in the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2017, 21, 27-39.	2.3	9
40	The Cdc45/RecJ-like protein forms a complex with GINS and MCM, and is important for DNA replication in <i>Thermococcus kodakarensis</i> . <i>Nucleic Acids Research</i> , 2017, 45, 10693-10705.	14.5	22
41	Mutation design of a thermophilic Rubisco based on three-dimensional structure enhances its activity at ambient temperature. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1339-1346.	2.6	11
42	Lysine Biosynthesis of <i>Thermococcus kodakarensis</i> with the Capacity to Function as an Ornithine Biosynthetic System. <i>Journal of Biological Chemistry</i> , 2016, 291, 21630-21643.	3.4	19
43	A Structurally Novel Chitinase from the Chitin-Degrading Hyperthermophilic Archaeon <i>Thermococcus chitonophagus</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 3554-3562.	3.1	15
44	Regulation of Coenzyme A Biosynthesis in the Hyperthermophilic Bacterium <i>Thermotoga maritima</i> . <i>Journal of Bacteriology</i> , 2016, 198, 1993-2000.	2.2	6
45	An archaeal ADP-dependent serine kinase involved in cysteine biosynthesis and serine metabolism. <i>Nature Communications</i> , 2016, 7, 13446.	12.8	24
46	Crystal structure of ketopantoate reductase from <i>Thermococcus kodakarensis</i> complexed with NADP <sup>+</sup> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 369-375.	0.8	3
47	Crystal structure of a [NiFe] hydrogenase maturation protease HybD from <i>Thermococcus kodakarensis</i> KOD1. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1321-1327.	2.6	13
48	Crystal structures of chitin binding domains of chitinase from <i>Thermococcus kodakarensis</i> KOD1. <i>FEBS Letters</i> , 2016, 590, 298-304.	2.8	22
49	Crystal structure of the TK2203 protein from <i>Thermococcus kodakarensis</i> , a putative extradiol dioxygenase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 427-433.	0.8	3
50	Crystal structure of archaeal ketopantoate reductase complexed with coenzyme a and 2-oxopantoate provides structural insights into feedback regulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 374-382.	2.6	7
51	Sodium-driven energy conversion for flagellar rotation of the earliest divergent hyperthermophilic bacterium. <i>Scientific Reports</i> , 2015, 5, 12711.	3.3	27
52	Overproduction of the membrane-bound [NiFe]-hydrogenase in <i>Thermococcus kodakarensis</i> and its effect on hydrogen production. <i>Frontiers in Microbiology</i> , 2015, 6, 847.	3.5	22
53	Editorial overview: Extremophiles: From extreme environments to highly stable biocatalysts. <i>Current Opinion in Microbiology</i> , 2015, 25, vii-viii.	5.1	5
54	Crystal Structure and Product Analysis of an Archaeal <i>myo</i> -Inositol Kinase Reveal Substrate Recognition Mode and 3-OH Phosphorylation. <i>Biochemistry</i> , 2015, 54, 3494-3503.	2.5	7

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55	Structural basis of a Ni acquisition cycle for [NiFe] hydrogenase by Ni-metallochaperone HypA and its enhancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7701-7706.	7.1	54
56	A pentose bisphosphate pathway for nucleoside degradation in Archaea. Nature Chemical Biology, 2015, 11, 355-360.	8.0	63
57	The tryptophan synthase $\beta$ -subunit paralogs TrpB1 and TrpB2 in <i>Thermococcus kodakarensis</i> are both involved in tryptophan biosynthesis and indole salvage. FEBS Journal, 2014, 281, 3113-3125.	4.7	9
58	Crystal structure of phosphopantothenate synthetase from <i>Thermococcus kodakarensis</i> . Proteins: Structure, Function and Bioinformatics, 2014, 82, 1924-1936.	2.6	3
59	<i>Polymorphobacter multimanifer</i> gen. nov., sp. nov., a polymorphic bacterium isolated from antarctic white rock. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2034-2040.	1.7	30
60	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 kodakarensis</i> . Journal of Bacteriology, 2014, 196, 140-147.	2.2	15
61	An Archaeal Glutamate Decarboxylase Homolog Functions as an Aspartate Decarboxylase and Is Involved in $\beta$ -Alanine and Coenzyme A Biosynthesis. Journal of Bacteriology, 2014, 196, 1222-1230.	2.2	41
62	An alternative beads-on-a-string chromatin architecture in <i>Thermococcus kodakarensis</i> . EMBO Reports, 2013, 14, 711-717.	4.5	56
63	Genetic studies on the virus-like regions in the genome of hyperthermophilic archaeon, <i>Thermococcus kodakarensis</i> . Extremophiles, 2013, 17, 153-160.	2.3	8
64	Identification and Structure of a Novel Archaeal HypB for [NiFe] Hydrogenase Maturation. Journal of Molecular Biology, 2013, 425, 1627-1640.	4.2	20
65	Genomics of Thermophilic Bacteria and Archaea. , 2013, , 307-330.		1
66	Programmable plasmid interference by the CRISPR-Cas system in <i>Thermococcus kodakarensis</i> . RNA Biology, 2013, 10, 828-840.	3.1	34
67	<i>Lysobacter oligotrophicus</i> sp. nov., isolated from an Antarctic freshwater lake in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3313-3318.	1.7	44
68	CoA biosynthesis in archaea. Biochemical Society Transactions, 2013, 41, 427-431.	3.4	12
69	An Uncharacterized Member of the Ribokinase Family in <i>Thermococcus kodakarensis</i> Exhibits myo-Inositol Kinase Activity. Journal of Biological Chemistry, 2013, 288, 20856-20867.	3.4	9
70	Identification and characterization of an archaeal ketopantoate reductase and its involvement in regulation of coenzyme A biosynthesis. Molecular Microbiology, 2013, 90, 307-321.	2.5	16
71	Genetic Examination of Initial Amino Acid Oxidation and Glutamate Catabolism in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . Journal of Bacteriology, 2013, 195, 1940-1948.	2.2	21
72	Hydrogen Production by the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . Journal of the Japan Petroleum Institute, 2013, 56, 267-279.	0.6	2

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73	Biochemical Characterization of Pantoate Kinase, a Novel Enzyme Necessary for Coenzyme A Biosynthesis in the Archaea. <i>Journal of Bacteriology</i> , 2012, 194, 5434-5443.	2.2	24
74	Enzymatic Characterization of AMP Phosphorylase and Ribose-1,5-Bisphosphate Isomerase Functioning in an Archaeal AMP Metabolic Pathway. <i>Journal of Bacteriology</i> , 2012, 194, 6847-6855.	2.2	43
75	An Archaeal Histone Is Required for Transformation of <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6864-6874.	2.2	43
76	Dynamic, Ligand-dependent Conformational Change Triggers Reaction of Ribose-1,5-bisphosphate Isomerase from <i>Thermococcus kodakarensis</i> KOD1. <i>Journal of Biological Chemistry</i> , 2012, 287, 20784-20796.	3.4	22
77	Overview of the genetic tools in the Archaea. <i>Frontiers in Microbiology</i> , 2012, 3, 337.	3.5	39
78	Comparative analyses of the two proliferating cell nuclear antigens from the hyperthermophilic archaeon, <i>Thermococcus kodakarensis</i> . <i>Genes To Cells</i> , 2012, 17, 923-937.	1.2	25
79	<i>Rhodoligotrophos appendicifer</i> gen. nov., sp. nov., an appendaged bacterium isolated from a freshwater Antarctic lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1945-1950.	1.7	28
80	A detailed biochemical characterization of phosphopantothenate synthetase, a novel enzyme involved in coenzyme A biosynthesis in the Archaea. <i>Extremophiles</i> , 2012, 16, 819-828.	2.3	17
81	Novel metabolic pathways in Archaea. <i>Current Opinion in Microbiology</i> , 2011, 14, 307-314.	5.1	82
82	Isoprenoid biosynthesis in Archaea – Biochemical and evolutionary implications. <i>Research in Microbiology</i> , 2011, 162, 39-52.	2.1	109
83	Biochemical and genetical analyses of the three mcm genes from the hyperthermophilic archaeon, <i>Thermococcus kodakarensis</i> . <i>Genes To Cells</i> , 2011, 16, 1176-1189.	1.2	32
84	Biochemical and genetic characterization of the three metabolic routes in <i>Thermococcus kodakarensis</i> linking glyceraldehyde 3-phosphate and phosphoglycerate. <i>Molecular Microbiology</i> , 2011, 81, 1300-1312.	2.5	45
85	Model organisms for genetics in the domain Archaea: methanogens, halophiles, <i>Thermococcales</i> and <i>Sulfolobales</i> . <i>FEMS Microbiology Reviews</i> , 2011, 35, 577-608.	8.6	197
86	Application of hyperthermophiles and their enzymes. <i>Current Opinion in Biotechnology</i> , 2011, 22, 618-626.	6.6	76
87	The crystal structure of an esterase from the hyperthermophilic microorganism <i>Pyrobaculum caldifontis</i> VA1 explains its enantioselectivity. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1061-1072.	3.6	64
88	Histone and TK0471/TrmBL2 form a novel heterogeneous genome architecture in the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 386-398.	2.1	44
89	<i>Thermococcus kodakarensis</i> as a Host for Gene Expression and Protein Secretion. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2392-2398.	3.1	36
90	<i>Constrictibacter antarcticus</i> gen. nov., sp. nov., a cryptoendolithic micro-organism from Antarctic white rock. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1973-1980.	1.7	31

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91	Distinct Physiological Roles of the Three [NiFe]-Hydrogenase Orthologs in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2011, 193, 3109-3116.	2.2	69
92	Formate-driven growth coupled with H <sub>2</sub> production. <i>Nature</i> , 2010, 467, 352-355.	27.8	202
93	Structure-based Catalytic Optimization of a Type III Rubisco from a Hyperthermophile. <i>Journal of Biological Chemistry</i> , 2010, 285, 39339-39347.	3.4	23
94	<i>Thermococcus kodakarensis</i> Mutants Deficient in Di- <i>myo</i> -Inositol Phosphate Use Aspartate To Cope with Heat Stress. <i>Journal of Bacteriology</i> , 2010, 192, 191-197.	2.2	36
95	Identification of the Phr-dependent heat shock regulon in the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> . <i>Journal of Biochemistry</i> , 2010, 147, 361-370.	1.7	23
96	GFP synthesis in giant liposomes using the in vitro translation system of <i>Thermococcus kodakaraensis</i> . , 2009, , .		0
97	Pantoate Kinase and Phosphopantothenate Synthetase, Two Novel Enzymes Necessary for CoA Biosynthesis in the Archaea. <i>Journal of Biological Chemistry</i> , 2009, 284, 28137-28145.	3.4	73
98	Short-chain-1,4-glucan phosphorylase having a truncated N-terminal domain: Functional expression and characterization of the enzyme from <i>Sulfolobus solfataricus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1709-1714.	2.3	23
99	Crystal Structure of HypA, a Nickel-Binding Metallochaperone for [NiFe] Hydrogenase Maturation. <i>Journal of Molecular Biology</i> , 2009, 394, 448-459.	4.2	63
100	2P-008 Structure-based optimization for catalytic activity of a Type III Rubisco from a hyperthermophile(Protein:Structure,The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2009, 49, S107.	0.1	0
101	Polarity in Archaeal Operon Transcription in <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 2244-2248.	2.2	56
102	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
103	A Global Transcriptional Regulator in <i>Thermococcus kodakaraensis</i> Controls the Expression Levels of Both Glycolytic and Gluconeogenic Enzyme-encoding Genes. <i>Journal of Biological Chemistry</i> , 2007, 282, 33659-33670.	3.4	79
104	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
105	Crystal Structures of [NiFe] Hydrogenase Maturation Proteins HypC, HypD, and HypE: Insights into Cyanation Reaction by Thiol Redox Signaling. <i>Molecular Cell</i> , 2007, 27, 29-40.	9.7	97
106	Archaeal Type III RuBisCOs Function in a Pathway for AMP Metabolism. <i>Science</i> , 2007, 315, 1003-1006.	12.6	197
107	Visualization of an oriC region on an isolated single whole-genome DNA with triplex forming PNA probe using fluorescence microscopy. , 2007, , .		0
108	Cell-free protein synthesis at high temperature using a lysate of a hyperthermophile. , 2006, , .		0

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109	Phototrophic growth of a Rubisco-deficient mesophilic purple nonsulfur bacterium harboring a Type III Rubisco from a hyperthermophilic archaeon. <i>Journal of Biotechnology</i> , 2006, 124, 532-544.	3.8	12
110	The Ribulose Monophosphate Pathway Substitutes for the Missing Pentose Phosphate Pathway in the Archaeon <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 4698-4704.	2.2	109
111	Recent progress towards the application of hyperthermophiles and their enzymes. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 166-173.	6.1	91
112	Biochemical Properties of a Putative Signal Peptide Peptidase from the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bacteriology</i> , 2005, 187, 7072-7080.	2.2	14
113	Characterization of a Novel Glucosamine-6-Phosphate Deaminase from a Hyperthermophilic Archaeon. <i>Journal of Bacteriology</i> , 2005, 187, 7038-7044.	2.2	25
114	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
115	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
116	Continuous hydrogen production by the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Biotechnology</i> , 2005, 116, 271-282.	3.8	148
117	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
118	On-site manipulation of single whole-genome DNA molecules using optical tweezers. <i>Applied Physics Letters</i> , 2004, 85, 5090-5092.	3.3	27
119	Reverse Gyrase Is Not a Prerequisite for Hyperthermophilic Life. <i>Journal of Bacteriology</i> , 2004, 186, 4829-4833.	2.2	118
120	Among Multiple Phosphomannomutase Gene Orthologues, Only One Gene Encodes a Protein with Phosphoglucomutase and Phosphomannomutase Activities in <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6070-6076.	2.2	29
121	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
122	Concerted Action of Diacetylchitobiose Deacetylase and Exo- $\beta$ -D-glucosaminidase in a Novel Chitinolytic Pathway in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Biological Chemistry</i> , 2004, 279, 30021-30027.	3.4	78
123	Thermostable carboxylesterases from hyperthermophiles. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2729-2735.	1.8	61
124	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 831-837.	3.6	3
125	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
126	Characterization of an Exo- $\beta$ -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



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127	Biochemical Properties and Regulated Gene Expression of the Superoxide Dismutase from the Facultatively Aerobic Hyperthermophile <i>Pyrobaculum calidifontis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 6340-6347.	2.2	34
128	Extremely Stable and Versatile Carboxylesterase from a Hyperthermophilic Archaeon. <i>Applied and Environmental Microbiology</i> , 2002, 68, 3925-3931.	3.1	161
129	The Unique Pentagonal Structure of an Archaeal Rubisco Is Essential for Its High Thermostability. <i>Journal of Biological Chemistry</i> , 2002, 277, 31656-31662.	3.4	59
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