

Haruyuki Atomi

List of Publications by Year in descending order

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165
papers

6,496
citations

58212

44
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80221

73
g-index

170
all docs

170
docs citations

170
times ranked

4772
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.	5.6	376
2	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
3	Targeted Gene Disruption by Homologous Recombination in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Bacteriology</i> , 2003, 185, 210-220.	2.3	254
4	Formate-driven growth coupled with H ₂ production. <i>Nature</i> , 2010, 467, 352-355.	28.3	202
5	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
6	Archaeal Type III RuBisCOs Function in a Pathway for AMP Metabolism. <i>Science</i> , 2007, 315, 1003-1006.	12.9	197
7	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.	8.7	197
8	Extremely Stable and Versatile Carboxylesterase from a Hyperthermophilic Archaeon. <i>Applied and Environmental Microbiology</i> , 2002, 68, 3925-3931.	3.1	161
9	A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile. <i>Science</i> , 2018, 359, 559-563.	12.9	155
10	Continuous hydrogen production by the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> KOD1. <i>Journal of Biotechnology</i> , 2005, 116, 271-282.	3.9	148
11	Reverse Gyrase Is Not a Prerequisite for Hyperthermophilic Life. <i>Journal of Bacteriology</i> , 2004, 186, 4829-4833.	2.3	118
12	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.	2.3	109
13	Isoprenoid biosynthesis in Archaea – Biochemical and evolutionary implications. <i>Research in Microbiology</i> , 2011, 162, 39-52.	2.1	109
14	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.	2.3	101
15	<i>Pyrobaculum calidifontis</i> sp. nov., a novel hyperthermophilic archaeon that grows in atmospheric air. <i>Archaea</i> , 2002, 1, 113-121.	2.3	97
16	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.	2.3	97
17	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.	9.9	97
18	Recent progress towards the application of hyperthermophiles and their enzymes. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 166-173.	6.3	91

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19	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.	2.3	88
20	Presence of a Structurally Novel Type Ribulose-bisphosphate Carboxylase/Oxygenase in the Hyperthermophilic Archaeon, <i>Pyrococcus kodakaraensis</i> KOD1. <i>Journal of Biological Chemistry</i> , 1999, 274, 5078-5082.	3.5	84
21	Crystal Structure of a Novel-Type Archaeal Rubisco with Pentagonal Symmetry. <i>Structure</i> , 2001, 9, 473-481.	3.4	82
22	Novel metabolic pathways in Archaea. <i>Current Opinion in Microbiology</i> , 2011, 14, 307-314.	5.2	82
23	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.	3.5	79
24	Concerted Action of Diacetylchitobiose Deacetylase and Exo- β -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.	3.5	78
25	Application of hyperthermophiles and their enzymes. <i>Current Opinion in Biotechnology</i> , 2011, 22, 618-626.	6.8	76
26	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.	3.5	73
27	A Novel Candidate for the True Fructose-1,6-bisphosphatase in Archaea. <i>Journal of Biological Chemistry</i> , 2002, 277, 30649-30655.	3.5	71
28	Distinct Physiological Roles of the Three [NiFe]-Hydrogenase Orthologs in the Hyperthermophilic Archaeon <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2011, 193, 3109-3116.	2.3	69
29	Degradation of complex arabinoxylans by human colonic Bacteroidetes. <i>Nature Communications</i> , 2021, 12, 459.	13.1	68
30	Microbial enzymes involved in carbon dioxide fixation. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 497-505.	2.2	67
31	The crystal structure of an esterase from the hyperthermophilic microorganism <i>Pyrobaculum calidifontis</i> VA1 explains its enantioselectivity. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1061-1072.	3.7	64
32	Crystal Structure of HypA, a Nickel-Binding Metallochaperone for [NiFe] Hydrogenase Maturation. <i>Journal of Molecular Biology</i> , 2009, 394, 448-459.	4.3	63
33	A pentose bisphosphate pathway for nucleoside degradation in Archaea. <i>Nature Chemical Biology</i> , 2015, 11, 355-360.	8.1	63
34	Catalase gene of the yeast <i>Candida tropicalis</i> . Sequence analysis and comparison with peroxisomal and cytosolic catalases from other sources. <i>FEBS Journal</i> , 1987, 170, 105-110.	0.2	61
35	Thermostable carboxylesterases from hyperthermophiles. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2729-2735.	1.8	61
36	A DNA Ligase from a Hyperthermophilic Archaeon with Unique Cofactor Specificity. <i>Journal of Bacteriology</i> , 2000, 182, 6424-6433.	2.3	59

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37	The Unique Pentagonal Structure of an Archaeal Rubisco Is Essential for Its High Thermostability. <i>Journal of Biological Chemistry</i> , 2002, 277, 31656-31662.	3.5	59
38	A Membrane-Bound Archaeal Lon Protease Displays ATP-Independent Proteolytic Activity towards Unfolded Proteins and ATP-Dependent Activity for Folded Proteins. <i>Journal of Bacteriology</i> , 2002, 184, 3689-3698.	2.3	58
39	Polarity in Archaeal Operon Transcription in <i>Thermococcus kodakaraensis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 2244-2248.	2.3	56
40	An alternative beads-on-a-string chromatin architecture in <i>Thermococcus kodakarensis</i> . <i>EMBO Reports</i> , 2013, 14, 711-717.	4.6	56
41	Structural basis of a Ni acquisition cycle for [NiFe] hydrogenase by Ni-metallochaperone HypA and its enhancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7701-7706.	7.3	54
42	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
43	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.	4.3	52
44	Characterization of isocitrate dehydrogenase from the green sulfur bacterium <i>Chlorobium limicola</i> . <i>FEBS Journal</i> , 2002, 269, 1926-1931.	0.2	46
45	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
46	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.	2.2	44
47	<i>Lysobacter oligotrophicus</i> sp. nov., isolated from an Antarctic freshwater lake in Antarctica. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3313-3318.	1.8	44
48	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.	2.3	43
49	An Archaeal Histone Is Required for Transformation of <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6864-6874.	2.3	43
50	An Archaeal Glutamate Decarboxylase Homolog Functions as an Aspartate Decarboxylase and Is Involved in β^2 -Alanine and Coenzyme A Biosynthesis. <i>Journal of Bacteriology</i> , 2014, 196, 1222-1230.	2.3	41
51	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
52	Overview of the genetic tools in the Archaea. <i>Frontiers in Microbiology</i> , 2012, 3, 337.	3.5	39
53	<i>Thermococcus kodakarensis</i> Mutants Deficient in <i>myo</i> -Inositol Phosphate Use Aspartate To Cope with Heat Stress. <i>Journal of Bacteriology</i> , 2010, 192, 191-197.	2.3	36
54	<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

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55	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.	2.3	34
56	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.	3.5	34
57	Programmable plasmid interference by the CRISPR-Cas system in <i>Thermococcus kodakaraensis</i> . <i>RNA Biology</i> , 2013, 10, 828-840.	3.2	34
58	Biochemical and genetical analyses of the three <i>mcm</i> genes from the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> . <i>Genes To Cells</i> , 2011, 16, 1176-1189.	1.3	32
59	Substrate recognition and fidelity of strand joining by an archaeal DNA ligase. <i>FEBS Journal</i> , 2002, 269, 650-656.	0.2	31
60	<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.	1.8	31
61	<i>Polymorphobacter multimanifer</i> gen. nov., sp. nov., a polymorphic bacterium isolated from antarctic white rock. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2034-2040.	1.8	30
62	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.	2.3	29
63	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
64	<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.	1.8	28
65	On-site manipulation of single whole-genome DNA molecules using optical tweezers. <i>Applied Physics Letters</i> , 2004, 85, 5090-5092.	3.4	27
66	Sodium-driven energy conversion for flagellar rotation of the earliest divergent hyperthermophilic bacterium. <i>Scientific Reports</i> , 2015, 5, 12711.	3.4	27
67	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.	7.3	27
68	Gene analysis and enzymatic properties of thermostable β -glycosidase from <i>Pyrococcus kodakaraensis</i> KOD1. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 130-135.	2.2	26
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	Characterization of a Novel Glucosamine-6-Phosphate Deaminase from a Hyperthermophilic Archaeon. <i>Journal of Bacteriology</i> , 2005, 187, 7038-7044.	2.3	25
71	Comparative analyses of the two proliferating cell nuclear antigens from the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> . <i>Genes To Cells</i> , 2012, 17, 923-937.	1.3	25
72	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.	2.3	24

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73	An archaeal ADP-dependent serine kinase involved in cysteine biosynthesis and serine metabolism. <i>Nature Communications</i> , 2016, 7, 13446.	13.1	24
74	Structural Insight into [NiFe] Hydrogenase Maturation by Transient Complexes between Hyp Proteins. <i>Accounts of Chemical Research</i> , 2020, 53, 875-886.	16.3	24
75	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
76	Structure-based Catalytic Optimization of a Type III Rubisco from a Hyperthermophile. <i>Journal of Biological Chemistry</i> , 2010, 285, 39339-39347.	3.5	23
77	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.	1.8	23
78	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.	3.5	22
79	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
80	Crystal structures of chitin binding domains of chitinase from <i>Thermococcus kodakarensis</i> KOD1. <i>FEBS Letters</i> , 2016, 590, 298-304.	2.9	22
81	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.	14.8	22
82	A regulatory factor, Fil1p, involved in derepression of the isocitrate lyase gene in <i>Saccharomyces cerevisiae</i> . A possible mitochondrial protein necessary for protein synthesis in mitochondria. <i>FEBS Journal</i> , 1998, 256, 212-220.	0.2	21
83	Genetic Examination of Initial Amino Acid Oxidation and Glutamate Catabolism in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2013, 195, 1940-1948.	2.3	21
84	Identification and Structure of a Novel Archaeal HypB for [NiFe] Hydrogenase Maturation. <i>Journal of Molecular Biology</i> , 2013, 425, 1627-1640.	4.3	20
85	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.	3.5	19
86	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
87	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
88	Identification of a pyrophosphate-dependent kinase and its donor selectivity determinants. <i>Nature Communications</i> , 2018, 9, 1765.	13.1	17
89	Peroxisomal and Mitochondrial Carnitine Acetyltransferases of the n-Alkane-Assimilating Yeast <i>Candida tropicalis</i> . <i>Analysis of Gene Structure and Translation Products</i> . <i>FEBS Journal</i> , 1996, 238, 845-852.	0.2	16
90	Identification and characterization of an archaeal ketopantoate reductase and its involvement in regulation of coenzyme A biosynthesis. <i>Molecular Microbiology</i> , 2013, 90, 307-321.	2.5	16

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91	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> . <i>Journal of Bacteriology</i> , 2014, 196, 140-147.	2.3	15
92	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
93	Metabolism Dealing with Thermal Degradation of NAD ⁺ in the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	2.3	15
94	Distinct Modified Nucleosides in tRNA ^{Trp} from the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> and Requirement of tRNA ^{m₂G10/m₂G10} Methyltransferase (Archaeal Trm11) for Survival at High Temperatures. <i>Journal of Bacteriology</i> , 2019, 201, .	2.3	15
95	Anthranilate Synthase without an LLES Motif from a Hyperthermophilic Archaeon Is Inhibited by Tryptophan. <i>Biochemical and Biophysical Research Communications</i> , 2001, 281, 858-865.	2.2	14
96	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.	2.3	14
97	Genes encoding peroxisomal enzymes are not necessarily assigned on the same chromosome of an n-alkane-utilizable yeast <i>Candida tropicalis</i> . <i>FEBS Letters</i> , 1991, 286, 61-63.	2.9	13
98	The upstream region of the isocitrate lyase gene (UPR-ICL) of <i>Candida tropicalis</i> induces gene expression in both <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> by acetate via two distinct promoters. <i>Archives of Microbiology</i> , 1995, 163, 322-328.	2.2	13
99	Derepression of Gene Expression Mediated by the 5' Upstream Region of the Isocitrate Lyase Gene of <i>Candida Tropicalis</i> is Controlled by two Distinct Regulatory Pathways in <i>Saccharomyces Cerevisiae</i> . <i>FEBS Journal</i> , 1997, 243, 748-752.	0.2	13
100	[29] Ribulose-1, 5-bisphosphate carboxylase / oxygenase from <i>Thermococcus kodakaraensis</i> KOD 1. <i>Methods in Enzymology</i> , 2001, 331, 353-365.	1.0	13
101	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
102	Phytoene production utilizing the isoprenoid biosynthesis capacity of <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2018, 22, 301-313.	2.3	13
103	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
104	Novel NADP-linked isocitrate dehydrogenase present in peroxisomes of n-alkane-utilizing yeast, <i>Candida tropicalis</i> : comparison with mitochondrial NAD-linked isocitrate dehydrogenase. <i>Archives of Microbiology</i> , 1995, 163, 104-111.	2.2	12
105	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.	3.9	12
106	CoA biosynthesis in archaea. <i>Biochemical Society Transactions</i> , 2013, 41, 427-431.	3.4	12
107	Biochemical analysis of a thermostable tryptophan synthase from a hyperthermophilic archaeon. <i>FEBS Journal</i> , 2000, 267, 6369-6377.	0.2	11
108	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

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109	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
110	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, .	4.2	11
111	A Phosphofruktokinase Homolog from <i>Pyrobaculum calidifontis</i> Displays Kinase Activity towards Pyrimidine Nucleosides and Ribose 1-Phosphate. <i>Journal of Bacteriology</i> , 2018, 200, .	2.3	10
112	Microbe Profile: <i>Thermococcus kodakarensis</i> : the model hyperthermophilic archaeon. <i>Microbiology (United Kingdom)</i> , 2019, 165, 1166-1168.	1.8	10
113	A unique DNase activity shares the active site with ATPase activity of the RecA/Rad51 homologue (Pr-REC) from a hyperthermophilic archaeon. <i>FEBS Letters</i> , 1999, 445, 111-114.	2.9	9
114	An Uncharacterized Member of the Ribokinase Family in <i>Thermococcus kodakarensis</i> Exhibits myo-Inositol Kinase Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 20856-20867.	3.5	9
115	The tryptophan synthase β -subunit paralogs TrpB1 and TrpB2 in <i>Thermococcus kodakarensis</i> are both involved in tryptophan biosynthesis and indole salvage. <i>FEBS Journal</i> , 2014, 281, 3113-3125.	4.8	9
116	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
117	Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> Utilizes a Four-Step Pathway for NAD ⁺ Salvage through Nicotinamide Deamination. <i>Journal of Bacteriology</i> , 2018, 200, .	2.3	9
118	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
119	Genetic studies on the virus-like regions in the genome of hyperthermophilic archaeon, <i>Thermococcus kodakarensis</i> . <i>Extremophiles</i> , 2013, 17, 153-160.	2.3	8
120	Possible function of the second RecJ-like protein in stalled replication fork repair by interacting with Hef. <i>Scientific Reports</i> , 2017, 7, 16949.	3.4	8
121	Characterization of the catalase of the n-alkane-utilizing yeast <i>Candida tropicalis</i> functionally expressed in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 682-686.	3.7	7
122	Crystal Structure and Product Analysis of an Archaeal myo-Inositol Kinase Reveal Substrate Recognition Mode and 3-OH Phosphorylation. <i>Biochemistry</i> , 2015, 54, 3494-3503.	2.6	7
123	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
124	Structural Study on the Reaction Mechanism of a Free Serine Kinase Involved in Cysteine Biosynthesis. <i>ACS Chemical Biology</i> , 2017, 12, 1514-1523.	3.5	7
125	Characterization of the intron-containing citrate synthase gene from the alkanotrophic yeast <i>Candida tropicalis</i> : cloning and expression in <i>Saccharomyces cerevisiae</i> . <i>Archives of Microbiology</i> , 1997, 168, 8-15.	2.2	6
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