Yoshizumi Ishino

List of Publications by Year
in descending order

172 papers	5,974 citations	66343 42 h-index	91884 69 g-index
179 all docs	179 docs citations	179 times ranked	4056 citing authors

#	Article	IF	Citations
1	Family D DNA polymerase interacts with GINS to promote CMG-helicase in the archaeal replisome. Nucleic Acids Research, 2022, 50, 3601-3615.	14.5	2
2	Ephedrae Herba and Cinnamomi Cortex interactions with G glycoprotein inhibit respiratory syncytial virus infectivity. Communications Biology, 2022, 5, 94.	4.4	9
3	Genetic and Biochemical Characterizations of aLhr1 Helicase in the Thermophilic Crenarchaeon Sulfolobus acidocaldarius. Catalysts, 2022, 12, 34.	3.5	1
4	DNA polymerase D temporarily connects primase to the CMG-like helicase before interacting with proliferating cell nuclear antigen. Nucleic Acids Research, 2021, 49, 4599-4612.	14.5	5
5	Development of a time-series shotgun metagenomics database for monitoring microbial communities at the Pacific coast of Japan. Scientific Reports, 2021, 11, 12222.	3.3	6
6	New insights into the diversity and evolution of the archaeal mobilome from three complete genomes of <i>Saccharolobus shibatae</i>. Environmental Microbiology, 2021, 23, 4612-4630.	3.8	5
7	Metagenomic analysis provides functional insights into seasonal change of a non-cyanobacterial prokaryotic community in temperate coastal waters. PLoS ONE, 2021, 16, e0257862.	2.5	5
8	Enzymatic Switching Between Archaeal DNA Polymerases Facilitates Abasic Site Bypass. Frontiers in Microbiology, 2021, 12, 802670.	3.5	3
9	Two conformations of DNA polymerase D-PCNA-DNA, an archaeal replisome complex, revealed by cryo-electron microscopy. BMC Biology, 2020, 18, 152.	3.8	8
10	Role of RadA and DNA Polymerases in Recombination-Associated DNA Synthesis in Hyperthermophilic Archaea. Biomolecules, 2020, 10, 1045.	4.0	8
11	Studies on DNA-related enzymes to elucidate molecular mechanisms underlying genetic information processing and their application in genetic engineering. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1749-1766.	1.3	3
12	The replication machinery of LUCA: common origin of DNA replication and transcription. BMC Biology, 2020, 18, 61.	3.8	50
13	Switch of the interactions between the ribosomal stalk and EF1A in the GTP- and GDP-bound conformations. Scientific Reports, 2019, 9, 14761.	3.3	10
14	Pol B, a Family B DNA Polymerase, in <i>Thermococcus kodakarensis</i> is Important for DNA Repair, but not DNA Replication. Microbes and Environments, 2019, 34, 316-326.	1.6	15
15	A Preliminary Metagenome Analysis Based on a Combination of Protein Domains. Proteomes, 2019, 7, 19.	3.5	0
16	Replication protein A complex in Thermococcus kodakarensis interacts with DNA polymerases and helps their effective strand synthesis. Bioscience, Biotechnology and Biochemistry, 2019, 83, 695-704.	1.3	4
17	New archaeal viruses discovered by metagenomic analysis of viral communities in enrichment cultures. Environmental Microbiology, 2019, 21, 2002-2014.	3.8	18
18	Elucidating functions of DP1 and DP2 subunits from the Thermococcus kodakarensis family D DNA polymerase. Extremophiles, 2019, 23, 161-172.	2.3	9

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19	Crystal structure of the novel lesion-specific endonuclease PfuEndoQ from Pyrococcus furiosus. Nucleic Acids Research, 2018, 46, 4807-4818.	14.5	9
20	History of CRISPR-Cas from Encounter with a Mysterious Repeated Sequence to Genome Editing Technology. Journal of Bacteriology, 2018, 200, .	2.2	273
21	The mesophilic archaeon Methanosarcina acetivorans counteracts uracil in DNA with multiple enzymes: EndoQ, ExoIII, and UDG. Scientific Reports, 2018, 8, 15791.	3.3	6
22	Direct visualization of DNA baton pass between replication factors bound to PCNA. Scientific Reports, 2018, 8, 16209.	3.3	9
23	Activation of the mismatch-specific endonuclease EndoMS/NucS by the replication clamp is required for high fidelity DNA replication. Nucleic Acids Research, 2018, 46, 6206-6217.	14.5	45
24	Two Family B DNA Polymerases From Aeropyrum pernix, Based on Revised Translational Frames. Frontiers in Molecular Biosciences, 2018, 5, 37.	3.5	2
25	A functional endonuclease Q exists in the bacterial domain: identification and characterization of endonuclease Q from <i>Bacillus pumilus</i>. Bioscience, Biotechnology and Biochemistry, 2017, 81, 931-937.	1.3	11
26	A Novel Type of Polyhedral Viruses Infecting Hyperthermophilic Archaea. Journal of Virology, 2017, 91, .	3.4	21
27	Diversity of bacteria and archaea from two shallow marine hydrothermal vents from Vulcano Island. Extremophiles, 2017, 21, 733-742.	2.3	48
28	The RecJ2 protein in the thermophilic archaeon Thermoplasma acidophilum is a 3â€²-5â€² exonuclease that associates with a DNA replication complex. Journal of Biological Chemistry, 2017, 292, 7921-7931.	3.4	11
29	Exonuclease processivity of archaeal replicative DNA polymerase in association with PCNA is expedited by mismatches in DNA. Scientific Reports, 2017, 7, 44582.	3.3	2
30	Possible function of the second RecJ-like protein in stalled replication fork repair by interacting with Hef. Scientific Reports, 2017, 7, 16949.	3.3	8
31	The Cdc45/RecJ-like protein forms a complex with GINS and MCM, and is important for DNA replication in Thermococcus kodakarensis. Nucleic Acids Research, 2017, 45, 10693-10705.	14.5	22
32	Atomic structure of an archaeal GAN suggests its dual roles as an exonuclease in DNA repair and a CMG component in DNA replication. Nucleic Acids Research, 2016, 44, 9505-9517.	14.5	22
33	Archaeal DNA Polymerase-B as a DNA Template Guardian: Links between Polymerases and Base/Alternative Excision Repair Enzymes in Handling the Deaminated Bases Uracil and Hypoxanthine. Archaea, 2016, 2016, 1-8.	2.3	3
34	PCNA is involved in the EndoQ-mediated DNA repair process in Thermococcales. Scientific Reports, 2016, 6, 25532.	3.3	12
35	DJ-1 family Maillard deglycases prevent acrylamide formation. Biochemical and Biophysical Research Communications, 2016, 478, 1111-1116.	2.1	24
36	Structure of the EndoMS-DNA Complex as Mismatch Restriction Endonuclease. Structure, 2016, 24, 1960-1971.	3.3	48

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37	Identification of a mismatch-specific endonuclease in hyperthermophilic Archaea. Nucleic Acids Research, 2016, 44, 2977-2986.	14.5	63
38	A longer finger-subdomain of family A DNA polymerases found by metagenomic analysis strengthens DNA binding and primer extension abilities. Gene, 2016, 576, 690-695.	2.2	5
39	Functional role of the <scp>C</scp>â€terminal tail of the archaeal ribosomal stalk in recruitment of two elongation factors to the sarcin/ricin loop of 23S r<scp>RNA</scp>. Genes To Cells, 2015, 20, 613-624.	1.2	13
40	Mutation of the gene encoding the ribonuclease P RNA in the hyperthermophilic archaeon Thermococcus kodakarensis causes decreased growth rate and impaired processing of tRNA precursors. Biochemical and Biophysical Research Communications, 2015, 468, 660-665.	2.1	3
41	From Structure-Function Analyses to Protein Engineering for Practical Applications of DNA Ligase. Archaea, 2015, 2015, 1-20.	2.3	9
42	A novel endonuclease that may be responsible for damaged DNA base repair in Pyrococcus furiosus. Nucleic Acids Research, 2015, 43, 2853-2863.	14.5	35
43	Guanine nucleotide exchange factor 2 for Rab5 proteins coordinated with GLUP6/GEF regulates the intracellular transport of the proglutelin from the Golgi apparatus to the protein storage vacuole in rice endosperm. Journal of Experimental Botany, 2015, 66, 6137-6147.	4.8	16
44	DNA repair in hyperthermophilic and hyperradioresistant microorganisms. Current Opinion in Microbiology, 2015, 25, 103-112.	5.1	44
45	EndoQ and EndoV work individually for damaged DNA base repair in Pyrococcus furiosus. Biochimie, 2015, 118, 264-269.	2.6	17
46	An optimized N^{pro}-based method for the expression and purification of intrinsically disordered proteins for an NMR study. Intrinsically Disordered Proteins, 2015, 3, e1011004.	1.9	13
47	Structural basis for substrate recognition and processive cleavage mechanisms of the trimeric exonuclease PhoExo I. Nucleic Acids Research, 2015, 43, 7122-7136.	14.5	7
48	Disordered interdomain region of Gins is important for functional tetramer formation to stimulate MCM helicase in <i>Thermoplasma acidophilum</i>. Bioscience, Biotechnology and Biochemistry, 2015, 79, 432-438.	1.3	4
49	Multiple Interactions of the Intrinsically Disordered Region between the Helicase and Nuclease Domains of the Archaeal Hef Protein. Journal of Biological Chemistry, 2014, 289, 21627-21639.	3.4	36
50	Mutant Taq DNA polymerases with improved elongation ability as a useful reagent for genetic engineering. Frontiers in Microbiology, 2014, 5, 461.	3.5	32
51	DNA polymerases as useful reagents for biotechnology Ã¢â,¬â€œ the history of developmental research in the field. Frontiers in Microbiology, 2014, 5, 465.	3.5	94
52	Activation of the MCM helicase from the thermophilic archaeon, Thermoplasma acidophilum by interactions with GINS and Cdc6-2. Extremophiles, 2014, 18, 915-924.	2.3	15
53	Biochemical characterization of endonuclease V from the hyperthermophilic archaeon, Pyrococcus furiosus. Journal of Biochemistry, 2014, 155, 325-333.	1.7	32
54	Expression, high-pressure refolding, purification, crystallization and preliminary X-ray analysis of a novel single-strand-specific 3â€²â€"5â€² exonuclease PhoExo I fromPyrococcus horikoshiiOT3. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1076-1079.	0.8	3

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55	Mutations of Asp540 and the domainâ€connecting residues synergistically enhance <i>Pyrococcus furiosus</i> DNA ligase activity. FEBS Letters, 2014, 588, 230-235.	2.8	7
56	DNA Polymerases and DNA Ligases. , 2013, , 429-457.		5
57	Novel inhibition of archaeal family-D DNA polymerase by uracil. Nucleic Acids Research, 2013, 41, 4207-4218.	14.5	14
58	A Guanine Nucleotide Exchange Factor for Rab5 Proteins Is Essential for Intracellular Transport of the Proglutelin from the Golgi Apparatus to the Protein Storage Vacuole in Rice Endosperm Â Â Â. Plant Physiology, 2013, 162, 663-674.	4.8	51
59	The archaeal DNA replication machinery: past, present and future. Genes and Genetic Systems, 2013, 88, 315-319.	0.7	9
60	DNA Replication in Archaea, the Third Domain of Life. , 2013, , .		3
61	A Novel Single-Strand Specific 3â€²â€"5â€² Exonuclease Found in the Hyperthermophilic Archaeon, Pyrococcus furiosus. PLoS ONE, 2013, 8, e58497.	2.5	11
62	The OsGEN-L protein from Oryza sativa possesses Holliday junction resolvase activity as well as 5'-flap endonuclease activity. Journal of Biochemistry, 2012, 151, 317-327.	1.7	15
63	Structureâ€Based Mutational Study of an Archaeal DNA Ligase towards Improvement of Ligation Activity. ChemBioChem, 2012, 13, 2575-2582.	2.6	13
64	Comparative analyses of the two proliferating cell nuclear antigens from the hyperthermophilic archaeon, <i>Thermococcus kodakarensis</i>. Genes To Cells, 2012, 17, 923-937.	1.2	25
65	Rapid progress of DNA replication studies in Archaea, the third domain of life. Science China Life Sciences, 2012, 55, 386-403.	4.9	33
66	Control of enzyme reaction by a designed metal-ion-dependent Î±-helical coiled-coil protein. Journal of Biological Inorganic Chemistry, 2012, 17, 791-799.	2.6	13
67	Reverse-Chaperoning Activity of an AAA+ Protein. Biophysical Journal, 2011, 100, 1344-1352.	0.5	6
68	3H1024 P24 Analysis on dynamical structure of intrinsically disordered protein Hef, using MD-SAXS method(3H Protein: Property 4,The 49th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S133.	0.1	0
69	Biochemical and genetical analyses of the three mcm genes from the hyperthermophilic archaeon, Thermococcus kodakarensis. Genes To Cells, 2011, 16, 1176-1189.	1.2	32
70	The GINS complex from the thermophilic archaeon, Thermoplasma acidophilum may function as a homotetramer in DNA replication. Extremophiles, 2011, 15, 529-539.	2.3	17
71	Architectures of archaeal GINS complexes, essential DNA replication initiation factors. BMC Biology, 2011, 9, 28.	3.8	30
72	Architecture of the DNA polymerase B-proliferating cell nuclear antigen (PCNA)-DNA ternary complex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1845-1849.	7.1	53

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73	Genetic analysis of DNA repair in the hyperthermophilic archaeon, Thermococcus kodakaraensis. Genes and Genetic Systems, 2010, 85, 243-257.	0.7	82
74	Localized melting of duplex DNA by Cdc6/Orc1 at the DNA replication origin in the hyperthermophilic archaeon Pyrococcus furiosus. Extremophiles, 2010, 14, 21-31.	2.3	19
75	Cdc6/Orc1 from <i>Pyrococcus furiosus</i> may act as the origin recognition protein and Mcm helicase recruiter. Genes To Cells, 2010, 15, 537-552.	1.2	16
76	Splicing of the Mycobacteriophage Bethlehem DnaB Intein. Journal of Biological Chemistry, 2010, 285, 2515-2526.	3.4	82
77	Molecular Analyses of an Unusual Translesion DNA Polymerase from Methanosarcina acetivorans C2A. Journal of Molecular Biology, 2010, 397, 13-30.	4.2	11
78	Structural Determination for Switching between the Polymerase and Exonuclease Modes in the PCNA-Replicative DNA Polymerase Complex. Nihon Kessho Gakkaishi, 2010, 52, 201-207.	0.0	0
79	A Novel Biosynthetic Pathway of Archaetidyl-myo-inositol via Archaetidyl-myo-inositol Phosphate from CDP-archaeol and d-Glucose 6-Phosphate in Methanoarchaeon Methanothermobacter thermautotrophicus Cells. Journal of Biological Chemistry, 2009, 284, 30766-30774.	3.4	34
80	Structural determinant for switching between the polymerase and exonuclease modes in the PCNA-replicative DNA polymerase complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20693-20698.	7.1	39
81	Molecular Analyses of a Three-Subunit Euryarchaeal Clamp Loader Complex from Methanosarcina acetivorans. Journal of Bacteriology, 2009, 191, 6539-6549.	2.2	9
82	Biochemical properties and base excision repair complex formation of apurinic/apyrimidinic endonuclease from Pyrococcus furiosus. Nucleic Acids Research, 2009, 37, 6439-6453.	14.5	26
83	Mechanism of replication machinery assembly as revealed by the DNA ligaseâ€“PCNAâ€“DNA complex architecture. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4647-4652.	7.1	71
84	Atomic structures and functional implications of the archaeal RecQ-like helicase Hjm. BMC Structural Biology, 2009, 9, 2.	2.3	33
85	A useful strategy to construct DNA polymerases with different properties by using genetic resources from environmental DNA. Genes and Genetic Systems, 2009, 84, 3-13.	0.7	8
86	Studies on the base excision repair (BER) complex in Pyrococcus furiosus. Biochemical Society Transactions, 2009, 37, 79-82.	3.4	15
87	The GINS Complex from Pyrococcus furiosus Stimulates the MCM Helicase Activity. Journal of Biological Chemistry, 2008, 283, 1601-1609.	3.4	61
88	Physical and Functional Interactions between Uracil-DNA Glycosylase and Proliferating Cell Nuclear Antigen from the Euryarchaeon Pyrococcus furiosus. Journal of Biological Chemistry, 2008, 283, 24185-24193.	3.4	27
89	DNA Polymerases BI and D from the Hyperthermophilic Archaeon Pyrococcus furiosus Both Bind to Proliferating Cell Nuclear Antigen with Their C-Terminal PIP-Box Motifs. Journal of Bacteriology, 2007, 189, 5652-5657.	2.2	33
90	Crystallization and Preliminary Crystallographic Study of DNA Polymerase from Pyrococcus furiosus. Protein and Peptide Letters, 2007, 14, 403-405.	0.9	3

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91	Genomewide and biochemical analyses of DNA-binding activity of Cdc6/Orc1 and Mcm proteins in Pyrococcus sp.. Nucleic Acids Research, 2007, 35, 3214-3222.	14.5	31
92	Specific interactions of three proliferating cell nuclear antigens with replication-related proteins in Aeropyrum pernix. Molecular Microbiology, 2007, 64, 308-318.	2.5	20
93	A single amino acid substitution in the DNA-binding domain of Aeropyrum pernix DNA ligase impairs its interaction with proliferating cell nuclear antigen. Extremophiles, 2007, 11, 675-684.	2.3	9
94	Comprehensive Search for DNA Polymerase in the Hyperthermophilic Archaeon,Pyrococcus furiosus. Nucleosides, Nucleotides and Nucleic Acids, 2006, 25, 681-691.	1.1	15
95	Mechanisms of Maintaining Genetic Stability by Homologous Recombination. Chemical Reviews, 2006, 106, 324-339.	47.7	26
96	The Closed Structure of an Archaeal DNA Ligase from Pyrococcus furiosus. Journal of Molecular Biology, 2006, 360, 956-967.	4.2	58
97	Mechanism to Load the Clamp onto DNA: Seeing Vivid Structures by Single Particle Analysis. Seibutsu Butsuri, 2006, 46, 345-348.	0.1	0
98	Stoichiometric complex formation by proliferating cell nuclear antigen (PCNA) and its interacting protein: purification and crystallization of the DNA polymerase and PCNA monomer mutant complex fromPyrococcus furiosus. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 253-256.	0.7	4
99	The archaeal Hjm helicase has recQ-like functions, and may be involved in repair of stalled replication fork. Genes To Cells, 2006, 11, 99-110.	1.2	50
100	Structure-specific DNA nucleases: structural basis for 3D-scissors. Current Opinion in Structural Biology, 2006, 16, 60-67.	5.7	24
101	Identification of a Novel Binding Motif in Pyrococcus furiosus DNA Ligase for the Functional Interaction with Proliferating Cell Nuclear Antigen. Journal of Biological Chemistry, 2006, 281, 28023-28032.	3.4	35
102	Identification of the critical region in Replication factor C from Pyrococcus furiosus for the stable complex formation with Proliferating cell nuclear antigen and DNA. Genes and Genetic Systems, 2005, 80, 83-93.	0.7	7
103	Crystal Structure and Functional Implications of Pyrococcus furiosus Hef Helicase Domain Involved in Branched DNA Processing. Structure, 2005, 13, 143-153.	3.3	81
104	Structural and Functional Analyses of an Archaeal XPF/Rad1/Mus81 Nuclease: Asymmetric DNA Binding and Cleavage Mechanisms. Structure, 2005, 13, 1183-1192.	3.3	53
105	Overexpression, purification and crystallization of an archaeal DNA ligase fromPyrococcus furiosus. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 1100-1102.	0.7	9
106	Identification of a Novel Helicase Activity Unwinding Branched DNAs from the Hyperthermophilic Archaeon, Pyrococcus furiosus. Journal of Biological Chemistry, 2005, 280, 12351-12358.	3.4	45
107	Open clamp structure in the clamp-loading complex visualized by electron microscopic image analysis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13795-13800.	7.1	109
108	Expression and Molecular Characterization of Spherical Particles Derived from the Genome of the Hyperthermophilic Euryarchaeote Pyrococcus furiosus. Journal of Biochemistry, 2005, 138, 193-199.	1.7	14

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109	Cooperation of the N-terminal Helicase and C-terminal Endonuclease Activities of Archaeal Hef Protein in Processing Stalled Replication Forks. Journal of Biological Chemistry, 2004, 279, 53175-53185.	3.4	74
110	The clamp-loading complex for processive DNA replication. Nature Structural and Molecular Biology, 2004, 11, 632-636.	8.2	51
111	Role of the Escherichia coli RecQ DNA helicase in SOS signaling and genome stabilization at stalled replication forks. Genes and Development, 2004, 18, 1886-1897.	5.9	116
112	Mutational analysis of Pyrococcus furiosus replication factor C based on the three-dimensional structure. Extremophiles, 2003, 7, 169-175.	2.3	4
113	X-Ray and Biochemical Anatomy of an Archaeal XPF/Rad1/Mus81 Family Nuclease. Structure, 2003, 11, 445-457.	3.3	101
114	Intermolecular ion pairs maintain the toroidal structure of Pyrococcus furiosus PCNA. Protein Science, 2003, 12, 823-831.	7.6	32
115	Physiological Responses of the Hyperthermophilic Archaeon â€œ Pyrococcus abyssi â€•to DNA Damage Caused by Ionizing Radiation. Journal of Bacteriology, 2003, 185, 3958-3961.	2.2	38
116	Three Proliferating Cell Nuclear Antigen-Like Proteins Found in the Hyperthermophilic Archaeon Aeropyrum pernix: Interactions with the Two DNA Polymerases. Journal of Bacteriology, 2002, 184, 687-694.	2.2	39
117	Novel endonuclease in Archaea cleaving DNA with various branched structure.. Genes and Genetic Systems, 2002, 77, 227-241.	0.7	88
118	Physical interaction between proliferating cell nuclear antigen and replication factor C fromPyrococcus furiosus. Genes To Cells, 2002, 7, 911-922.	1.2	58
119	Crystal structure of an archaeal DNA sliding clamp: Proliferating cell nuclear antigen from Pyrococcus furiosus. Protein Science, 2001, 10, 17-23.	7.6	143
120	Three-Dimensional Electron Microscopy of the Clamp Loader Small Subunit from Pyrococcus furiosus. Journal of Structural Biology, 2001, 134, 35-45.	2.8	24
121	Atomic Structure of the Clamp Loader Small Subunit from Pyrococcus furiosus. Molecular Cell, 2001, 8, 455-463.	9.7	69
122	Expansion of the zinc metallo-hydrolase family of the Î²-lactamase fold. FEBS Letters, 2001, 503, 1-6.	2.8	287
123	Functional interactions of an archaeal sliding clamp with mammalian clamp loader and DNA polymerase Î´. Genes To Cells, 2001, 6, 699-706.	1.2	23
124	Archaeal primase. Current Biology, 2001, 11, 452-456.	3.9	71
125	Crystal Structure of the Archaeal Holliday Junction Resolvase Hjc and Implications for DNA Recognition. Structure, 2001, 9, 197-204.	3.3	96
126	[21] DNA polymerases from euryarchaeota. Methods in Enzymology, 2001, 334, 249-260.	1.0	22

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127	Replication Protein A in Pyrococcus furiosus Is Involved in Homologous DNA Recombination. Journal of Biological Chemistry, 2001, 276, 25654-25660.	3.4	81
128	The Archaeal DNA Primase. Journal of Biological Chemistry, 2001, 276, 45484-45490.	3.4	66
129	Biochemical Analysis of Replication Factor C from the Hyperthermophilic Archaeon Pyrococcus furiosus. Journal of Bacteriology, 2001, 183, 2614-2623.	2.2	64
130	Dissection of the Regional Roles of the Archaeal Holliday Junction Resolvase Hjc by Structural and Mutational Analyses. Journal of Biological Chemistry, 2001, 276, 35735-35740.	3.4	18
131	åç´°èŒDNAè‡è£½ç”ç©¶ã®ç¾çŠ¶ã¨ä»Šå¾Œã®å±•æœ›. Japanese Journal of Bacteriology, 2001, 56, 435-454.	0.0	0
132	Identification and characterization of Thermus thermophilus HB8 RuvA protein, the subunit of the RuvAB protein complex that promotes branch migration of Holliday junctions.. Genes and Genetic Systems, 2000, 75, 233-243.	0.7	9
133	Mutational Analysis of the Pyrococcus furiosusHolliday Junction Resolvase Hjc Revealed Functionally Important Residues for Dimer Formation, Junction DNA Binding, and Cleavage Activities. Journal of Biological Chemistry, 2000, 275, 40385-40391.	3.4	33
134	Both RadA and RadB Are Involved in Homologous Recombination inPyrococcus furiosus. Journal of Biological Chemistry, 2000, 275, 33782-33790.	3.4	111
135	Functional interdependence of DNA polymerizing and 3â€²â†’5â€² exonucleolytic activities in Pyrococcus furiosus DNA polymerase I. Protein Engineering, Design and Selection, 2000, 13, 41-47.	2.1	30
136	Domain Analysis of an Archaeal RadA Protein for the Strand Exchange Activity. Journal of Biological Chemistry, 2000, 275, 33791-33797.	3.4	30
137	Crystal Structure of an Archaeal Intein-encoded Homing Endonuclease PI-PfuI. Journal of Molecular Biology, 2000, 300, 889-901.	4.2	111
138	Specific interaction between DNA polymerase II (PolD) and RadB, a Rad51/Dmc1 homolog, in Pyrococcus furiosus. Nucleic Acids Research, 1999, 27, 4695-4702.	14.5	31
139	Archaeal DNA Replication: Identifying the Pieces to Solve a Puzzle. Genetics, 1999, 152, 1249-1267.	2.9	179
140	Two Family B DNA Polymerases from <i>Aeropyrum pernix</i> , an Aerobic Hyperthermophilic Crenarchaeote. Journal of Bacteriology, 1999, 181, 5984-5992.	2.2	55
141	Functional Interactions of a Homolog of Proliferating Cell Nuclear Antigen with DNA Polymerases in<i>Archaea</i>. Journal of Bacteriology, 1999, 181, 6591-6599.	2.2	94
142	A tRNAGlugene from the hyperthermophilic archaeonPyrococcus furiosuscontains the 3Ã¢Â€Â²-terminal CCA sequence of the mature tRNA. FEMS Microbiology Letters, 1998, 160, 199-204.	1.8	3
143	Adenylosuccinate Synthetase Genes: Molecular Cloning and Phylogenetic Analysis of a Highly Conserved Archaeal Gene. Systematic and Applied Microbiology, 1998, 21, 478-486.	2.8	4
144	Segmental Isotope Labeling for Protein NMR Using Peptide Splicing. Journal of the American Chemical Society, 1998, 120, 5591-5592.	13.7	232

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145	The euryarchaeotes, a subdomain of Archaea, survive on a single DNA polymerase: Fact or farce?. Genes and Genetic Systems, 1998, 73, 323-336.	0.7	43
146	A Novel DNA Polymerase Family Found in<i>Archaea</i>. Journal of Bacteriology, 1998, 180, 2232-2236.	2.2	111
147	Production of New Restriction EndonucleaseVpaK111BI Recognizing Sequence 5â€²-GGWCC-3â€² in a Haemolysin-less Mutant ofVibrio parahaemolyticus. Bioscience, Biotechnology and Biochemistry, 1997, 61, 2129-2130.	1.3	1
148	A High-Density STS Map Based on a Single Contig of YAC and P1 Clones in the Chromosome 8p12â€“p21 Region. Genomics, 1997, 41, 49-55.	2.9	2
149	A novel DNA polymerase in the hyperthermophilic archaeon,Pyrococcus furiosus: gene cloning, expression, and characterization. Genes To Cells, 1997, 2, 499-512.	1.2	128
150	Two dinucleotide repeat polymorphisms at the D8S1218 and D8S1219 loci. Japanese Journal of Human Genetics, 1996, 41, 257-259.	0.8	1
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152	Human herpesvirus 6 induces IL-8 gene expression in human hepatoma cell line, Hep G2. , 1996, 49, 34-40.		49
153	A Non-.ALPHA.-like DNA Polymerase from the Hyperthermophilic Archaeon Pyrococcus furiosus.. Biological and Pharmaceutical Bulletin, 1995, 18, 1647-1652.	1.4	36
154	A highly polymorphic dinucleotide repeat at the D8S1222 locus. Japanese Journal of Human Genetics, 1995, 40, 287-288.	0.8	2
155	Dinucleotide repeat polymorphism at the D8S1054. Japanese Journal of Human Genetics, 1995, 40, 215-216.	0.8	0
156	Sse8647I, a new type II restriction endonuclease from aStreptomycesspecies cutting at 5'-AG/GWCCT-3'. Nucleic Acids Research, 1995, 23, 742-744.	14.5	4
157	A novel streptomyces restriction endonuclease, Sse1825I, cleaving at 5â€²-GG/GWCCC-3â€². Gene, 1995, 157, 323-324.	2.2	3
158	The amino acid sequence required for 5' â†’ 3' exonuclease activity of Bacillus caldotenax DNA polymerase. Protein Engineering, Design and Selection, 1995, 8, 1171-1175.	2.1	5
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