

# Yoshizumi Ishino

## List of Publications by Year in descending order

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172  
papers

5,974  
citations

66315

42  
h-index

91828

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. <i>Nucleic Acids Research</i> , 2022, 50, 3601-3615.	6.5	2
2	Ephedrae Herba and Cinnamomi Cortex interactions with G glycoprotein inhibit respiratory syncytial virus infectivity. <i>Communications Biology</i> , 2022, 5, 94.	2.0	9
3	Genetic and Biochemical Characterizations of aLhr1 Helicase in the Thermophilic Crenarchaeon <i>Sulfolobus acidocaldarius</i> . <i>Catalysts</i> , 2022, 12, 34.	1.6	1
4	DNA polymerase D temporarily connects primase to the CMG-like helicase before interacting with proliferating cell nuclear antigen. <i>Nucleic Acids Research</i> , 2021, 49, 4599-4612.	6.5	5
5	Development of a time-series shotgun metagenomics database for monitoring microbial communities at the Pacific coast of Japan. <i>Scientific Reports</i> , 2021, 11, 12222.	1.6	6
6	New insights into the diversity and evolution of the archaeal mobilome from three complete genomes of <i>Saccharolobus shibatae</i> . <i>Environmental Microbiology</i> , 2021, 23, 4612-4630.	1.8	5
7	Metagenomic analysis provides functional insights into seasonal change of a non-cyanobacterial prokaryotic community in temperate coastal waters. <i>PLoS ONE</i> , 2021, 16, e0257862.	1.1	5
8	Enzymatic Switching Between Archaeal DNA Polymerases Facilitates Abasic Site Bypass. <i>Frontiers in Microbiology</i> , 2021, 12, 802670.	1.5	3
9	Two conformations of DNA polymerase D-PCNA-DNA, an archaeal replisome complex, revealed by cryo-electron microscopy. <i>BMC Biology</i> , 2020, 18, 152.	1.7	8
10	Role of RadA and DNA Polymerases in Recombination-Associated DNA Synthesis in Hyperthermophilic Archaea. <i>Biomolecules</i> , 2020, 10, 1045.	1.8	8
11	Studies on DNA-related enzymes to elucidate molecular mechanisms underlying genetic information processing and their application in genetic engineering. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1749-1766.	0.6	3
12	The replication machinery of LUCA: common origin of DNA replication and transcription. <i>BMC Biology</i> , 2020, 18, 61.	1.7	50
13	Switch of the interactions between the ribosomal stalk and EF1A in the GTP- and GDP-bound conformations. <i>Scientific Reports</i> , 2019, 9, 14761.	1.6	10
14	Pol B, a Family B DNA Polymerase, in <i>Thermococcus kodakarensis</i> is Important for DNA Repair, but not DNA Replication. <i>Microbes and Environments</i> , 2019, 34, 316-326.	0.7	15
15	A Preliminary Metagenome Analysis Based on a Combination of Protein Domains. <i>Proteomes</i> , 2019, 7, 19.	1.7	0
16	Replication protein A complex in <i>Thermococcus kodakarensis</i> interacts with DNA polymerases and helps their effective strand synthesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 695-704.	0.6	4
17	New archaeal viruses discovered by metagenomic analysis of viral communities in enrichment cultures. <i>Environmental Microbiology</i> , 2019, 21, 2002-2014.	1.8	18
18	Elucidating functions of DP1 and DP2 subunits from the <i>Thermococcus kodakarensis</i> family D DNA polymerase. <i>Extremophiles</i> , 2019, 23, 161-172.	0.9	9

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19	Crystal structure of the novel lesion-specific endonuclease PfuEndoQ from <i>Pyrococcus furiosus</i> . <i>Nucleic Acids Research</i> , 2018, 46, 4807-4818.	6.5	9
20	History of CRISPR-Cas from Encounter with a Mysterious Repeated Sequence to Genome Editing Technology. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	273
21	The mesophilic archaeon <i>Methanosarcina acetivorans</i> counteracts uracil in DNA with multiple enzymes: EndoQ, ExoIII, and UDG. <i>Scientific Reports</i> , 2018, 8, 15791.	1.6	6
22	Direct visualization of DNA baton pass between replication factors bound to PCNA. <i>Scientific Reports</i> , 2018, 8, 16209.	1.6	9
23	Activation of the mismatch-specific endonuclease EndoMS/NucS by the replication clamp is required for high fidelity DNA replication. <i>Nucleic Acids Research</i> , 2018, 46, 6206-6217.	6.5	45
24	Two Family B DNA Polymerases From <i>Aeropyrum pernix</i> , Based on Revised Translational Frames. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 37.	1.6	2
25	A functional endonuclease Q exists in the bacterial domain: identification and characterization of endonuclease Q from <i>Bacillus pumilus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 931-937.	0.6	11
26	A Novel Type of Polyhedral Viruses Infecting Hyperthermophilic Archaea. <i>Journal of Virology</i> , 2017, 91, .	1.5	21
27	Diversity of bacteria and archaea from two shallow marine hydrothermal vents from Vulcano Island. <i>Extremophiles</i> , 2017, 21, 733-742.	0.9	48
28	The RecJ2 protein in the thermophilic archaeon <i>Thermoplasma acidophilum</i> is a 3'→5' exonuclease that associates with a DNA replication complex. <i>Journal of Biological Chemistry</i> , 2017, 292, 7921-7931.	1.6	11
29	Exonuclease processivity of archaeal replicative DNA polymerase in association with PCNA is expedited by mismatches in DNA. <i>Scientific Reports</i> , 2017, 7, 44582.	1.6	2
30	Possible function of the second RecJ-like protein in stalled replication fork repair by interacting with Hef. <i>Scientific Reports</i> , 2017, 7, 16949.	1.6	8
31	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.	6.5	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. <i>Nucleic Acids Research</i> , 2016, 44, 9505-9517.	6.5	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. <i>Archaea</i> , 2016, 2016, 1-8.	2.3	3
34	PCNA is involved in the EndoQ-mediated DNA repair process in Thermococcales. <i>Scientific Reports</i> , 2016, 6, 25532.	1.6	12
35	DJ-1 family Maillard deglycosylases prevent acrylamide formation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1111-1116.	1.0	24
36	Structure of the EndoMS-DNA Complex as Mismatch Restriction Endonuclease. <i>Structure</i> , 2016, 24, 1960-1971.	1.6	48

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37	Identification of a mismatch-specific endonuclease in hyperthermophilic Archaea. <i>Nucleic Acids Research</i> , 2016, 44, 2977-2986.	6.5	63
38	A longer finger-subdomain of family A DNA polymerases found by metagenomic analysis strengthens DNA binding and primer extension abilities. <i>Gene</i> , 2016, 576, 690-695.	1.0	5
39	Functional role of the C-terminal tail of the archaeal ribosomal stalk in recruitment of two elongation factors to the sarcin/ricin loop of 23S rRNA. <i>Genes To Cells</i> , 2015, 20, 613-624.	0.5	13
40	Mutation of the gene encoding the ribonuclease P RNA in the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> causes decreased growth rate and impaired processing of tRNA precursors. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 660-665.	1.0	3
41	From Structure-Function Analyses to Protein Engineering for Practical Applications of DNA Ligase. <i>Archaea</i> , 2015, 2015, 1-20.	2.3	9
42	A novel endonuclease that may be responsible for damaged DNA base repair in <i>Pyrococcus furiosus</i> . <i>Nucleic Acids Research</i> , 2015, 43, 2853-2863.	6.5	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. <i>Journal of Experimental Botany</i> , 2015, 66, 6137-6147.	2.4	16
44	DNA repair in hyperthermophilic and hyperradioresistant microorganisms. <i>Current Opinion in Microbiology</i> , 2015, 25, 103-112.	2.3	44
45	EndoQ and EndoV work individually for damaged DNA base repair in <i>Pyrococcus furiosus</i> . <i>Biochimie</i> , 2015, 118, 264-269.	1.3	17
46	An optimized N <sup>pro</sup> -based method for the expression and purification of intrinsically disordered proteins for an NMR study. <i>Intrinsically Disordered Proteins</i> , 2015, 3, e1011004.	1.9	13
47	Structural basis for substrate recognition and processive cleavage mechanisms of the trimeric exonuclease PhoExo I. <i>Nucleic Acids Research</i> , 2015, 43, 7122-7136.	6.5	7
48	Disordered interdomain region of Gins is important for functional tetramer formation to stimulate MCM helicase in <i>Thermoplasma acidophilum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 432-438.	0.6	4
49	Multiple Interactions of the Intrinsically Disordered Region between the Helicase and Nuclease Domains of the Archaeal Hef Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 21627-21639.	1.6	36
50	Mutant Taq DNA polymerases with improved elongation ability as a useful reagent for genetic engineering. <i>Frontiers in Microbiology</i> , 2014, 5, 461.	1.5	32
51	DNA polymerases as useful reagents for biotechnology – the history of developmental research in the field. <i>Frontiers in Microbiology</i> , 2014, 5, 465.	1.5	94
52	Activation of the MCM helicase from the thermophilic archaeon, <i>Thermoplasma acidophilum</i> by interactions with GINS and Cdc6-2. <i>Extremophiles</i> , 2014, 18, 915-924.	0.9	15
53	Biochemical characterization of endonuclease V from the hyperthermophilic archaeon, <i>Pyrococcus furiosus</i> . <i>Journal of Biochemistry</i> , 2014, 155, 325-333.	0.9	32
54	Expression, high-pressure refolding, purification, crystallization and preliminary X-ray analysis of a novel single-strand-specific 3'→5' exonuclease PhoExo I from <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1076-1079.	0.4	3

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55	Mutations of Asp540 and the domain-connecting residues synergistically enhance <i>Pyrococcus furiosus</i> DNA ligase activity. <i>FEBS Letters</i> , 2014, 588, 230-235.	1.3	7
56	DNA Polymerases and DNA Ligases. , 2013, , 429-457.		5
57	Novel inhibition of archaeal family-D DNA polymerase by uracil. <i>Nucleic Acids Research</i> , 2013, 41, 4207-4218.	6.5	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. <i>Plant Physiology</i> , 2013, 162, 663-674.	2.3	51
59	The archaeal DNA replication machinery: past, present and future. <i>Genes and Genetic Systems</i> , 2013, 88, 315-319.	0.2	9
60	DNA Replication in Archaea, the Third Domain of Life. , 2013, , .		3
61	A Novel Single-Strand Specific 3'→5' Exonuclease Found in the Hyperthermophilic Archaeon, <i>Pyrococcus furiosus</i> . <i>PLoS ONE</i> , 2013, 8, e58497.	1.1	11
62	The OsGEN-L protein from <i>Oryza sativa</i> possesses Holliday junction resolvase activity as well as 5'-flap endonuclease activity. <i>Journal of Biochemistry</i> , 2012, 151, 317-327.	0.9	15
63	Structure-Based Mutational Study of an Archaeal DNA Ligase towards Improvement of Ligation Activity. <i>ChemBioChem</i> , 2012, 13, 2575-2582.	1.3	13
64	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.	0.5	25
65	Rapid progress of DNA replication studies in Archaea, the third domain of life. <i>Science China Life Sciences</i> , 2012, 55, 386-403.	2.3	33
66	Control of enzyme reaction by a designed metal-ion-dependent $\alpha$ -helical coiled-coil protein. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 791-799.	1.1	13
67	Reverse-Chaperoning Activity of an AAA+ Protein. <i>Biophysical Journal</i> , 2011, 100, 1344-1352.	0.2	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). <i>Seibutsu Butsuri</i> , 2011, 51, S133.	0.0	0
69	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.	0.5	32
70	The GINS complex from the thermophilic archaeon, <i>Thermoplasma acidophilum</i> may function as a homotetramer in DNA replication. <i>Extremophiles</i> , 2011, 15, 529-539.	0.9	17
71	Architectures of archaeal GINS complexes, essential DNA replication initiation factors. <i>BMC Biology</i> , 2011, 9, 28.	1.7	30
72	Architecture of the DNA polymerase B-proliferating cell nuclear antigen (PCNA)-DNA ternary complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1845-1849.	3.3	53

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73	Genetic analysis of DNA repair in the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i> . <i>Genes and Genetic Systems</i> , 2010, 85, 243-257.	0.2	82
74	Localized melting of duplex DNA by Cdc6/Orc1 at the DNA replication origin in the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Extremophiles</i> , 2010, 14, 21-31.	0.9	19
75	Cdc6/Orc1 from <i>Pyrococcus furiosus</i> may act as the origin recognition protein and Mcm helicase recruiter. <i>Genes To Cells</i> , 2010, 15, 537-552.	0.5	16
76	Splicing of the Mycobacteriophage Bethlehem DnaB Intein. <i>Journal of Biological Chemistry</i> , 2010, 285, 2515-2526.	1.6	82
77	Molecular Analyses of an Unusual Translesion DNA Polymerase from <i>Methanosarcina acetivorans</i> C2A. <i>Journal of Molecular Biology</i> , 2010, 397, 13-30.	2.0	11
78	Structural Determination for Switching between the Polymerase and Exonuclease Modes in the PCNA-Replicative DNA Polymerase Complex. <i>Nihon Kessho Gakkaishi</i> , 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 <i>Methanothermobacter thermautotrophicus</i> Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 30766-30774.	1.6	34
80	Structural determinant for switching between the polymerase and exonuclease modes in the PCNA-replicative DNA polymerase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20693-20698.	3.3	39
81	Molecular Analyses of a Three-Subunit Euryarchaeal Clamp Loader Complex from <i>Methanosarcina acetivorans</i> . <i>Journal of Bacteriology</i> , 2009, 191, 6539-6549.	1.0	9
82	Biochemical properties and base excision repair complex formation of apurinic/apyrimidinic endonuclease from <i>Pyrococcus furiosus</i> . <i>Nucleic Acids Research</i> , 2009, 37, 6439-6453.	6.5	26
83	Mechanism of replication machinery assembly as revealed by the DNA ligase-PCNA-DNA complex architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4647-4652.	3.3	71
84	Atomic structures and functional implications of the archaeal RecQ-like helicase Hjm. <i>BMC Structural Biology</i> , 2009, 9, 2.	2.3	33
85	A useful strategy to construct DNA polymerases with different properties by using genetic resources from environmental DNA. <i>Genes and Genetic Systems</i> , 2009, 84, 3-13.	0.2	8
86	Studies on the base excision repair (BER) complex in <i>Pyrococcus furiosus</i> . <i>Biochemical Society Transactions</i> , 2009, 37, 79-82.	1.6	15
87	The GINS Complex from <i>Pyrococcus furiosus</i> Stimulates the MCM Helicase Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 1601-1609.	1.6	61
88	Physical and Functional Interactions between Uracil-DNA Glycosylase and Proliferating Cell Nuclear Antigen from the Euryarchaeon <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 24185-24193.	1.6	27
89	DNA Polymerases BI and D from the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> Both Bind to Proliferating Cell Nuclear Antigen with Their C-Terminal PIP-Box Motifs. <i>Journal of Bacteriology</i> , 2007, 189, 5652-5657.	1.0	33
90	Crystallization and Preliminary Crystallographic Study of DNA Polymerase from <i>Pyrococcus furiosus</i> . <i>Protein and Peptide Letters</i> , 2007, 14, 403-405.	0.4	3

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91	Genomewide and biochemical analyses of DNA-binding activity of Cdc6/Orc1 and Mcm proteins in <i>Pyrococcus</i> sp.. <i>Nucleic Acids Research</i> , 2007, 35, 3214-3222.	6.5	31
92	Specific interactions of three proliferating cell nuclear antigens with replication-related proteins in <i>Aeropyrum pernix</i> . <i>Molecular Microbiology</i> , 2007, 64, 308-318.	1.2	20
93	A single amino acid substitution in the DNA-binding domain of <i>Aeropyrum pernix</i> DNA ligase impairs its interaction with proliferating cell nuclear antigen. <i>Extremophiles</i> , 2007, 11, 675-684.	0.9	9
94	Comprehensive Search for DNA Polymerase in the Hyperthermophilic Archaeon, <i>Pyrococcus furiosus</i> . <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 681-691.	0.4	15
95	Mechanisms of Maintaining Genetic Stability by Homologous Recombination. <i>Chemical Reviews</i> , 2006, 106, 324-339.	23.0	26
96	The Closed Structure of an Archaeal DNA Ligase from <i>Pyrococcus furiosus</i> . <i>Journal of Molecular Biology</i> , 2006, 360, 956-967.	2.0	58
97	Mechanism to Load the Clamp onto DNA: Seeing Vivid Structures by Single Particle Analysis. <i>Seibutsu Butsuri</i> , 2006, 46, 345-348.	0.0	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 from <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 253-256.	0.7	4
99	The archaeal Hjm helicase has <i>recQ</i> -like functions, and may be involved in repair of stalled replication fork. <i>Genes To Cells</i> , 2006, 11, 99-110.	0.5	50
100	Structure-specific DNA nucleases: structural basis for 3D-scissors. <i>Current Opinion in Structural Biology</i> , 2006, 16, 60-67.	2.6	24
101	Identification of a Novel Binding Motif in <i>Pyrococcus furiosus</i> DNA Ligase for the Functional Interaction with Proliferating Cell Nuclear Antigen. <i>Journal of Biological Chemistry</i> , 2006, 281, 28023-28032.	1.6	35
102	Identification of the critical region in Replication factor C from <i>Pyrococcus furiosus</i> for the stable complex formation with Proliferating cell nuclear antigen and DNA. <i>Genes and Genetic Systems</i> , 2005, 80, 83-93.	0.2	7
103	Crystal Structure and Functional Implications of <i>Pyrococcus furiosus</i> Hef Helicase Domain Involved in Branched DNA Processing. <i>Structure</i> , 2005, 13, 143-153.	1.6	81
104	Structural and Functional Analyses of an Archaeal XPF/Rad1/Mus81 Nuclease: Asymmetric DNA Binding and Cleavage Mechanisms. <i>Structure</i> , 2005, 13, 1183-1192.	1.6	53
105	Overexpression, purification and crystallization of an archaeal DNA ligase from <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 1100-1102.	0.7	9
106	Identification of a Novel Helicase Activity Unwinding Branched DNAs from the Hyperthermophilic Archaeon, <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 12351-12358.	1.6	45
107	Open clamp structure in the clamp-loading complex visualized by electron microscopic image analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13795-13800.	3.3	109
108	Expression and Molecular Characterization of Spherical Particles Derived from the Genome of the Hyperthermophilic Euryarchaeote <i>Pyrococcus furiosus</i> . <i>Journal of Biochemistry</i> , 2005, 138, 193-199.	0.9	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. <i>Journal of Biological Chemistry</i> , 2004, 279, 53175-53185.	1.6	74
110	The clamp-loading complex for processive DNA replication. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 632-636.	3.6	51
111	Role of the Escherichia coli RecQ DNA helicase in SOS signaling and genome stabilization at stalled replication forks. <i>Genes and Development</i> , 2004, 18, 1886-1897.	2.7	116
112	Mutational analysis of Pyrococcus furiosus replication factor C based on the three-dimensional structure. <i>Extremophiles</i> , 2003, 7, 169-175.	0.9	4
113	X-Ray and Biochemical Anatomy of an Archaeal XPF/Rad1/Mus81 Family Nuclease. <i>Structure</i> , 2003, 11, 445-457.	1.6	101
114	Intermolecular ion pairs maintain the toroidal structure of Pyrococcus furiosus PCNA. <i>Protein Science</i> , 2003, 12, 823-831.	3.1	32
115	Physiological Responses of the Hyperthermophilic Archaeon <i>Pyrococcus abyssi</i> to DNA Damage Caused by Ionizing Radiation. <i>Journal of Bacteriology</i> , 2003, 185, 3958-3961.	1.0	38
116	Three Proliferating Cell Nuclear Antigen-Like Proteins Found in the Hyperthermophilic Archaeon <i>Aeropyrum pernix</i> : Interactions with the Two DNA Polymerases. <i>Journal of Bacteriology</i> , 2002, 184, 687-694.	1.0	39
117	Novel endonuclease in Archaea cleaving DNA with various branched structure.. <i>Genes and Genetic Systems</i> , 2002, 77, 227-241.	0.2	88
118	Physical interaction between proliferating cell nuclear antigen and replication factor C from <i>Pyrococcus furiosus</i> . <i>Genes To Cells</i> , 2002, 7, 911-922.	0.5	58
119	Crystal structure of an archaeal DNA sliding clamp: Proliferating cell nuclear antigen from <i>Pyrococcus furiosus</i> . <i>Protein Science</i> , 2001, 10, 17-23.	3.1	143
120	Three-Dimensional Electron Microscopy of the Clamp Loader Small Subunit from <i>Pyrococcus furiosus</i> . <i>Journal of Structural Biology</i> , 2001, 134, 35-45.	1.3	24
121	Atomic Structure of the Clamp Loader Small Subunit from <i>Pyrococcus furiosus</i> . <i>Molecular Cell</i> , 2001, 8, 455-463.	4.5	69
122	Expansion of the zinc metallo-hydrolase family of the $\beta$ -lactamase fold. <i>FEBS Letters</i> , 2001, 503, 1-6.	1.3	287
123	Functional interactions of an archaeal sliding clamp with mammalian clamp loader and DNA polymerase $\delta$ . <i>Genes To Cells</i> , 2001, 6, 699-706.	0.5	23
124	Archaeal primase. <i>Current Biology</i> , 2001, 11, 452-456.	1.8	71
125	Crystal Structure of the Archaeal Holliday Junction Resolvase Hjc and Implications for DNA Recognition. <i>Structure</i> , 2001, 9, 197-204.	1.6	96
126	[21] DNA polymerases from euryarchaeota. <i>Methods in Enzymology</i> , 2001, 334, 249-260.	0.4	22



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127	Replication Protein A in <i>Pyrococcus furiosus</i> Is Involved in Homologous DNA Recombination. <i>Journal of Biological Chemistry</i> , 2001, 276, 25654-25660.	1.6	81
128	The Archaeal DNA Primase. <i>Journal of Biological Chemistry</i> , 2001, 276, 45484-45490.	1.6	66
129	Biochemical Analysis of Replication Factor C from the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> . <i>Journal of Bacteriology</i> , 2001, 183, 2614-2623.	1.0	64
130	Dissection of the Regional Roles of the Archaeal Holliday Junction Resolvase Hjc by Structural and Mutational Analyses. <i>Journal of Biological Chemistry</i> , 2001, 276, 35735-35740.	1.6	18
131	複製因子CのDNA複製に与える役割の解析. <i>Japanese Journal of Bacteriology</i> , 2001, 56, 435-454.	0.3	0
132	Identification and characterization of <i>Thermus thermophilus</i> HB8 RuvA protein, the subunit of the RuvAB protein complex that promotes branch migration of Holliday junctions. <i>Genes and Genetic Systems</i> , 2000, 75, 233-243.	0.2	9
133	Mutational Analysis of the <i>Pyrococcus furiosus</i> Holliday Junction Resolvase Hjc Revealed Functionally Important Residues for Dimer Formation, Junction DNA Binding, and Cleavage Activities. <i>Journal of Biological Chemistry</i> , 2000, 275, 40385-40391.	1.6	33
134	Both RadA and RadB Are Involved in Homologous Recombination in <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 33782-33790.	1.6	111
135	Functional interdependence of DNA polymerizing and 3'→5' exonucleolytic activities in <i>Pyrococcus furiosus</i> DNA polymerase I. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 41-47.	1.0	30
136	Domain Analysis of an Archaeal RadA Protein for the Strand Exchange Activity. <i>Journal of Biological Chemistry</i> , 2000, 275, 33791-33797.	1.6	30
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