# Shinsuke Fujiwara

List of Publications by Year
in descending order

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| 72 | 1,614 | 361413 | 330143 |
|---|---|---|---|
| papers | citations | 20 h-index | 37 g-index |

| 72 | 72 | 72 | 1420 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Substrate Specificity of an Aminopropyltransferase and the Biosynthesis Pathway of Polyamines in the Hyperthermophilic Crenarchaeon Pyrobaculum calidifontis. Catalysts, 2022, 12, 567. | 3.5 | 0 |
| 2 | Optimization of reaction condition of recombinase polymerase amplification to detect SARS-CoV-2 DNA and RNA using a statistical method. Biochemical and Biophysical Research Communications, 2021, 567, 195-200. | 2.1 | 10 |
| 3 | Leucine-Responsive Regulatory Protein in Acetic Acid Bacteria Is Stable and Functions at a Wide Range of Intracellular pH Levels. Journal of Bacteriology, 2021, 203, e0016221. | 2.2 | 1 |
| 4 | The therapeutic and nutraceutical potential of agmatine, and its enhanced production using Aspergillus oryzae. Amino Acids, 2020, 52, 181-197. | 2.7 | 34 |
| 5 | Genes regulated by branched-chain polyamine in the hyperthermophilic archaeon Thermococcus kodakarensis. Amino Acids, 2020, 52, 287-299. | 2.7 | 4 |
| 6 | Branched-chain polyamine stabilizes RNA polymerase at elevated temperatures in hyperthermophiles. Amino Acids, 2020, 52, 275-285. | 2.7 | 5 |
| 7 | Alteration of enzymes and their application to nucleic acid amplification (Review). International Journal of Molecular Medicine, 2020, 46, 1633-1643. | 4.0 | 6 |
| 8 | Alteration of enzymes and their application to nucleic acid amplification (Review). International Journal of Molecular Medicine, 2020, 46, 1633-1643. | 4.0 | 6 |
| 9 | 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 |
| 10 | The Câ€terminal flexible region of branchedâ€chain polyamine synthase facilitates substrate specificity and catalysis. FEBS Journal, 2019, 286, 3926-3940. | 4.7 | 3 |
| 11 | Accurate fidelity analysis of the reverse transcriptase by a modified next-generation sequencing. Enzyme and Microbial Technology, 2018, 115, 81-85. | 3.2 | 14 |
| 12 | Leucine responsive regulatory protein is involved in methionine metabolism and polyamine homeostasis in acetic acid bacterium Komagataeibacter europaeus. Journal of Bioscience and Bioengineering, 2018, 125, 67-75. | 2.2 | 7 |
| 13 | Thermostable DNA helicase improves the sensitivity of digital PCR. Biochemical and Biophysical Research Communications, 2018, 495, 2189-2194. | 2.1 | 4 |
| 14 | High sensitive RNA detection by one-step RT-PCR using the genetically engineered variant of DNA polymerase with reverse transcriptase activity from hyperthermophilies. Journal of Bioscience and Bioengineering, 2018, 125, 275-281. | 2.2 | 12 |
| 15 | Branchedâ€Chain Polyamine Found in Hyperthermophiles Induces Unique Temperatureâ€Dependent Structural Changes in Genomeâ€Size DNA. ChemPhysChem, 2018, 19, 2284-2284. | 2.1 | 0 |
| 16 | Agmatine Production by Aspergillus oryzae Is Elevated by Low pH during Solid-State Cultivation. Applied and Environmental Microbiology, 2018, 84, . | 3.1 | 13 |
| 17 | Branchedâ€Chain Polyamine Found in Hyperthermophiles Induces Unique Temperatureâ€Dependent Structural Changes in Genomeâ€Size DNA. ChemPhysChem, 2018, 19, 2299-2304. | 2.1 | 22 |
| 18 | Identification of Branched-Chain Polyamines in Hyperthermophiles. Methods in Molecular Biology, 2018, 1694, 81-94. | 0.9 | 3 |

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|---|---|---|---|
| 19 | Function of a thermophilic archaeal chaperonin is enhanced by electrostatic interactions with its targets. Journal of Bioscience and Bioengineering, 2017, 124, 283-288. | 2.2 | 2 |
| 20 | High sensitive one-step RT-PCR using MMLV reverse transcriptase, DNA polymerase with reverse transcriptase activity, and DNA/RNA helicase. Biochemical and Biophysical Research Communications, 2017, 487, 128-133. | 2.1 | 5 |
| 21 | Active site geometry of a novel aminopropyltransferase for biosynthesis of hyperthermophileâ€specific branchedâ€chain polyamine. FEBS Journal, 2017, 284, 3684-3701. | 4.7 | 10 |
| 22 | Identification of a novel acetylated form of branched-chain polyamine from a hyperthermophilic archaeon Thermococcus kodakarensis. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1845-1849. | 1.3 | 4 |
| 23 | Next-generation sequencing-based analysis of reverse transcriptase fidelity. Biochemical and Biophysical Research Communications, 2017, 492, 147-153. | 2.1 | 20 |
| 24 | Gene regulation of two ferredoxin:NADP+ oxidoreductases by the redox-responsive regulator SurR in Thermococcus kodakarensis. Extremophiles, 2017, 21, 903-917. | 2.3 | 6 |
| 25 | Enhanced detection of RNA by MMLV reverse transcriptase coupled with thermostable DNA polymerase and DNA/RNA helicase. Enzyme and Microbial Technology, 2017, 96, 111-120. | 3.2 | 13 |
| 26 | Polyamines in brown rice vinegar function as potent attractants for the spotted wing drosophila. Journal of Bioscience and Bioengineering, 2017, 123, 78-83. | 2.2 | 10 |
| 27 | Functional Distribution of Archaeal Chaperonins. Heat Shock Proteins, 2017, , 113-128. | 0.2 | 0 |
| 28 | Naturally occurring branched-chain polyamines induce a crosslinked meshwork structure in a giant DNA. Journal of Chemical Physics, 2016, 145, 235103. | 3.0 | 17 |
| 29 | Application of a Euryarchaeota-Specific Helicase from Thermococcus kodakarensis for Noise Reduction in PCR. Applied and Environmental Microbiology, 2016, 82, 3022-3031. | 3.1 | 11 |
| 30 | Effective Trapping of Fruit Flies with Cultures of Metabolically Modified Acetic Acid Bacteria. Applied and Environmental Microbiology, 2015, 81, 2265-2273. | 3.1 | 10 |
| 31 | Change in the plasmid copy number in acetic acid Bacteria in response to growth phase and acetic acid Concentration. Journal of Bioscience and Bioengineering, 2015, 119, 661-668. | 2.2 | 9 |
| 32 | A Mutant Chaperonin That Is Functional at Lower Temperatures Enables Hyperthermophilic Archaea To Grow under Cold-Stress Conditions. Journal of Bacteriology, 2015, 197, 2642-2652. | 2.2 | 10 |
| 33 | Long-Chain and Branched Polyamines in Thermophilic Microbes. , 2015, , 15-25. | | 6 |
| 34 | Identification of a Novel Aminopropyltransferase Involved in the Synthesis of Branched-Chain Polyamines in Hyperthermophiles. Journal of Bacteriology, 2014, 196, 1866-1876. | 2.2 | 37 |
| 35 | Enhanced production of branched-chain amino acids by Gluconacetobacter europaeus with a specific regional deletion in a leucine responsive regulator. Journal of Bioscience and Bioengineering, 2014, 118, 607-615. | 2.2 | 13 |
| 36 | Cysteine desulphurase plays an important role in environmental adaptation of the hyperthermophilic archaeon <scp>T</scp>hermococcus kodakarensis. Molecular Microbiology, 2014, 93, 331-345. | 2.5 | 11 |

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|---|---|---|---|
| 37 | Different roles of two transcription factor B proteins in the hyperthermophilic archaeon Thermococcus kodakarensis. Extremophiles, 2014, 18, 573-588. | 2.3 | 9 |
| 38 | Importance and Determinants of Induction of Cold-Induced DEAD RNA Helicase in the Hyperthermophilic Archaeon Thermococcus kodakarensis. Journal of Bacteriology, 2013, 195, 3442-3450. | 2.2 | 20 |
| 39 | An Efficient Method Using Gluconacetobacter europaeus To Reduce an Unfavorable Flavor Compound, Acetoin, in Rice Vinegar Production. Applied and Environmental Microbiology, 2013, 79, 7334-7342. | 3.1 | 21 |
| 40 | Indole-3-Glycerol-Phosphate Synthase Is Recognized by a Cold-Inducible Group II Chaperonin in Thermococcus kodakarensis. Applied and Environmental Microbiology, 2012, 78, 3806-3815. | 3.1 | 11 |
| 41 | Kinetic analysis of reverse transcriptase activity of bacterial family A DNA polymerases. Biochemical and Biophysical Research Communications, 2012, 427, 654-658. | 2.1 | 6 |
| 42 | Mutations to create thermostable reverse transcriptase with bacterial family A DNA polymerase from Thermotoga petrophila K4. Journal of Bioscience and Bioengineering, 2012, 113, 315-321. | 2.2 | 20 |
| 43 | Dual Biosynthesis Pathway for Longer-Chain Polyamines in the Hyperthermophilic Archaeon Thermococcus kodakarensis. Journal of Bacteriology, 2010, 192, 4991-5001. | 2.2 | 49 |
| 44 | Identification of the Phr-dependent heat shock regulon in the hyperthermophilic archaeon, Thermococcus kodakaraensis. Journal of Biochemistry, 2010, 147, 361-370. | 1.7 | 23 |
| 45 | Efficient in vitro synthesis of cis-polyisoprenes using a thermostable cis-prenyltransferase from a hyperthermophilic archaeon Thermococcus kodakaraensis. Journal of Biotechnology, 2009, 143, 151-156. | 3.8 | 8 |
| 46 | Effect of Growth Temperature and Growth Phase on the Lipid Composition of the Archaeal Membrane fromThermococcus kodakaraensis. Bioscience, Biotechnology and Biochemistry, 2009, 73, 104-108. | 1.3 | 50 |
| 47 | Property of cold inducible DEAD-box RNA helicase in hyperthermophilic archaea. Biochemical and Biophysical Research Communications, 2009, 389, 622-627. | 2.1 | 23 |
| 48 | Agmatine is essential for the cell growth ofThermococcus kodakaraensis. FEMS Microbiology Letters, 2008, 287, 113-120. | 1.8 | 52 |
| 49 | Functional Characterization of Recombinant Prefoldin Complexes from a Hyperthermophilic Archaeon, Thermococcus sp. Strain KS-1. Journal of Molecular Biology, 2008, 377, 972-983. | 4.2 | 22 |
| 50 | Expression Profiles and Physiological Roles of Two Types of Prefoldins from the Hyperthermophilic Archaeon Thermococcus kodakaraensis. Journal of Molecular Biology, 2008, 382, 298-311. | 4.2 | 25 |
| 51 | Efficient synthesis of trans-polyisoprene compounds using two thermostable enzymes in an organicâ€“aqueous dual-liquid phase system. Biochemical and Biophysical Research Communications, 2008, 365, 118-123. | 2.1 | 9 |
| 52 | Expression Profiles and Physiological Roles of Two Types of Molecular Chaperonins from the Hyperthermophilic Archaeon Thermococcus kodakarensis. Applied and Environmental Microbiology, 2008, 74, 7306-7312. | 3.1 | 28 |
| 53 | Characterization of MobR, the 3-Hydroxybenzoate-responsive Transcriptional Regulator for the 3-Hydroxybenzoate Hydroxylase Gene of Comamonas testosteroni KH122-3s. Journal of Molecular Biology, 2006, 364, 863-877. | 4.2 | 19 |
| 54 | Complete genome sequence of the hyperthermophilic archaeon Thermococcus kodakaraensis KOD1 and comparison with Pyrococcus genomes. Genome Research, 2005, 15, 352-363. | 5.5 | 376 |

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|---|---|---|---|
| 55 | Enzymatic and structural characterization of type II isopentenyl diphosphate isomerase from hyperthermophilic archaeon Thermococcus kodakaraensis. Biochemical and Biophysical Research Communications, 2005, 331, 1127-1136. | 2.1 | 17 |
| 56 | Biophysical analysis of heat-induced structural maturation of glutamate dehydrogenase from a hyperthermophilic archaeon. Journal of Bioscience and Bioengineering, 2004, 97, 305-309. | 2.2 | 7 |
| 57 | Temperature-dependent modulation of farnesyl diphosphate/geranylgeranyl diphosphate synthase from hyperthermophilic archaea. Biochemical and Biophysical Research Communications, 2004, 325, 1066-1074. | 2.1 | 19 |
| 58 | Extremophiles: Developments of their special functions and potential resources. Journal of Bioscience and Bioengineering, 2002, 94, 518-525. | 2.2 | 56 |
| 59 | Two Kinds of Archaeal Chaperonin with Different Temperature Dependency from a Hyperthermophile. Biochemical and Biophysical Research Communications, 2001, 280, 581-587. | 2.1 | 25 |
| 60 | Comparative analyses of the conformational stability of a hyperthermophilic protein and its mesophilic counterpart. FEBS Journal, 2001, 268, 4144-4150. | 0.2 | 37 |
| 61 | Conformational Stability of a Hyperthermophilic Protein in Various Conditions for Denaturation. Electrochemistry, 2001, 69, 949-952. | 1.4 | 8 |
| 62 | Effect of polyamines on histone-induced DNA compaction of hyperthermophilic archaea. Journal of Bioscience and Bioengineering, 2000, 89, 103-106. | 2.2 | 21 |
| 63 | Sequence and transcriptional studies of five clustered flagellin genes from hyperthermophilic archaeonPyrococcus kodakaraensisKOD1. FEMS Microbiology Letters, 1999, 178, 183-190. | 1.8 | 15 |
| 64 | Hyperthermostable Protein Structure Maintained by Intra and Inter-helix Ion-pairs in Archaeal O6-Methylguanine-DNA Methyltransferase. Journal of Molecular Biology, 1999, 292, 707-716. | 4.2 | 97 |
| 65 | Sequence and transcriptional studies of five clustered flagellin genes from hyperthermophilic archaeon Pyrococcus kodakaraensis KOD1. FEMS Microbiology Letters, 1999, 178, 183-190. | 1.8 | 2 |
| 66 | Isolation and Characterization of a Second Subunit of Molecular Chaperonin from Pyrococcus kodakaraensis KOD1: Analysis of an ATPase-Deficient Mutant Enzyme. Applied and Environmental Microbiology, 1999, 65, 1801-1805. | 3.1 | 33 |
| 67 | Comparison of two glutamate producing enzymes from the hyperthermophilic archaeonPyrococcussp. KOD1. FEMS Microbiology Letters, 1998, 158, 243-248. | 1.8 | 2 |
| 68 | In vitro heat effect on heterooligomeric subunit assembly of thermostable indolepyruvate ferredoxin oxidoreductase. FEBS Letters, 1998, 434, 372-376. | 2.8 | 34 |
| 69 | Ion Pairs Involved in Maintaining a Thermostable Structure of Glutamate Dehydrogenase from a Hyperthermophilic Archaeon. Biochemical and Biophysical Research Communications, 1998, 248, 920-926. | 2.1 | 50 |
| 70 | Effect of Heat Treatment on Proper Oligomeric Structure Formation of Thermostable Glutamate Dehydrogenase from a Hyperthermophilic Archaeon. Biochemical and Biophysical Research Communications, 1997, 241, 646-652. | 2.1 | 38 |
| 71 | Thermostable Enzymes of Hyperthermophilic Archaea. Journal of Japan Oil Chemists' Society, 1997, 46, 525-533,597. | 0.3 | 0 |
| 72 | Unusual enzyme characteristics of aspartyl-tRNA synthetase from hyperthermophilic archaeonPyrococcussp. KOD1. FEBS Letters, 1996, 394, 66-70. | 2.8 | 29 |