

# Isao Yumoto

## List of Publications by Year in descending order

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134  
papers

4,137  
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76326

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142  
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142  
docs citations

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times ranked

3825  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Dietzia psychralcaliphila</i> sp. nov., a novel, facultatively psychrophilic alkaliphile that grows on hydrocarbons.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 85-90.	1.7	148
2	Isolation and Characterization of Novel Strains of <i>Pseudomonas aeruginosa</i> and <i>Serratia marcescens</i> Possessing High Efficiency to Degrade Gasoline, Kerosene, Diesel Oil, and Lubricating Oil. Current Microbiology, 2004, 49, 415-422.	2.2	133
3	Isolation of Acetogenic Bacteria That Induce Biocorrosion by Utilizing Metallic Iron as the Sole Electron Donor. Applied and Environmental Microbiology, 2015, 81, 67-73.	3.1	129
4	Antifreeze proteins from snow mold fungi. Canadian Journal of Botany, 2003, 81, 1175-1181.	1.1	108
5	Purification and Characterization of a Catalase from the Facultatively Psychrophilic Bacterium <i>Vibrio rumoiensis</i> S-1 T Exhibiting High Catalase Activity. Journal of Bacteriology, 2000, 182, 1903-1909.	2.2	106
6	<i>Exiguobacterium oxidotolerans</i> sp. nov., a novel alkaliphile exhibiting high catalase activity. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2013-2017.	1.7	86
7	<i>Alkalibacterium psychrotolerans</i> sp. nov., a psychrotolerant obligate alkaliphile that reduces an indigo dye. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2379-2383.	1.7	86
8	Isolation and characterization of bacteria from soil contaminated with diesel oil and the possible use of these in autochthonous bioaugmentation. World Journal of Microbiology and Biotechnology, 2007, 23, 1739-1745.	3.6	86
9	<i>Psychrobacter okhotskensis</i> sp. nov., a lipase-producing facultative psychrophile isolated from the coast of the Okhotsk Sea. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1985-1989.	1.7	84
10	Degradation of long-chain n-alkanes (C36 and C40) by <i>Pseudomonas aeruginosa</i> strain WatG. International Biodeterioration and Biodegradation, 2007, 59, 40-43.	3.9	82
11	Characterization of a Facultatively Psychrophilic Bacterium, <i>Vibrio rumoiensis</i> sp. nov., That Exhibits High Catalase Activity. Applied and Environmental Microbiology, 1999, 65, 67-72.	3.1	79
12	<i>Bacillus krulwichiae</i> sp. nov., a halotolerant obligate alkaliphile that utilizes benzoate and m-hydroxybenzoate. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1531-1536.	1.7	76
13	<i>Oceanobacillus oncorhynchi</i> sp. nov., a halotolerant obligate alkaliphile isolated from the skin of a rainbow trout ( <i>Oncorhynchus mykiss</i> ), and emended description of the genus <i>Oceanobacillus</i> . International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1521-1524.	1.7	67
14	<i>Alkalibacterium iburiense</i> sp. nov., an obligate alkaliphile that reduces an indigo dye. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1525-1530.	1.7	67
15	Culture-Dependent and -Independent Identification of Polyphosphate-Accumulating <i>Dechloromonas</i> spp. Predominating in a Full-Scale Oxidation Ditch Wastewater Treatment Plant. Microbes and Environments, 2016, 31, 449-455.	1.6	64
16	Efficient Colonization of the Bean Bug <i>Riptortus pedestris</i> by an Environmentally Transmitted <i>Burkholderia</i> Symbiont. Applied and Environmental Microbiology, 2013, 79, 2088-2091.	3.1	63
17	<i>Thiovirga sulfuroxydans</i> gen. nov., sp. nov., a chemolithoautotrophic sulfur-oxidizing bacterium isolated from a microaerobic waste-water biofilm. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1059-1064.	1.7	62
18	<i>Alkalibacterium indicireducens</i> sp. nov., an obligate alkaliphile that reduces indigo dye. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 901-905.	1.7	62

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19	Methanogenic degradation of lignin-derived monoaromatic compounds by microbial enrichments from rice paddy field soil. <i>Scientific Reports</i> , 2015, 5, 14295.	3.3	62
20	Isolation of a <i>Pseudomonas</i> species from fish intestine that produces a protease active at low temperature. <i>Letters in Applied Microbiology</i> , 1997, 25, 70-72.	2.2	59
21	Isolation of Butanol- and Isobutanol-Tolerant Bacteria and Physiological Characterization of Their Butanol Tolerance. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6998-7005.	3.1	59
22	Bioenergetics of alkaliphilic <i>Bacillus</i> spp.. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 342-353.	2.2	55
23	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 939-945.	2.2	54
24	Verification of Degradation of n-Alkanes in Diesel Oil by <i>Pseudomonas aeruginosa</i> Strain WatG in Soil Microcosms. <i>Current Microbiology</i> , 2006, 52, 182-185.	2.2	54
25	Relationship between the Size of the Bottleneck 15 Å... from Iron in the Main Channel and the Reactivity of Catalase Corresponding to the Molecular Size of Substratesâ€¦. <i>Biochemistry</i> , 2007, 46, 11-22.	2.5	54
26	Bacterial community characterization and dynamics of indigo fermentation. <i>FEMS Microbiology Ecology</i> , 2010, 74, 174-183.	2.7	53
27	<i>Bacillus asahii</i> sp. nov., a novel bacterium isolated from soil with the ability to deodorize the bad smell generated from short-chain fatty acids. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1997-2001.	1.7	52
28	Direct fermentation of starch to L-(+)-lactic acid using <i>Lactobacillus amylophilus</i> . <i>Biotechnology Letters</i> , 1995, 17, 543-546.	2.2	51
29	<i>Glaciecola chathamensis</i> sp. nov., a novel marine polysaccharide-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2883-2886.	1.7	51
30	<i>Bacillus oshimensis</i> sp. nov., a moderately halophilic, non-motile alkaliphile. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 907-911.	1.7	51
31	<i>Anoxybacillus voinovskiensis</i> sp. nov., a moderately thermophilic bacterium from a hot spring in Kamchatka. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1239-1242.	1.7	50
32	<i>Oceanobacillus indicireducens</i> sp. nov., a facultative alkaliphile that reduces an indigo dye. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1437-1442.	1.7	50
33	Purification and Characterization of Catalase from a Facultative Alkalophilic <i>Bacillus</i> 1. <i>Journal of Biochemistry</i> , 1990, 108, 583-587.	1.7	48
34	<i>Microbacterium kitamiense</i> sp. nov., a new polysaccharide-producing bacterium isolated from the wastewater of a sugar-beet factory. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1353-1357.	1.7	46
35	<i>Sphingobacterium kitahiroshimense</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1576-1579.	1.7	44
36	Physiological and Transcriptomic Analyses of the Thermophilic, Aceticlastic Methanogen &#x26amp;#x2013; <i>Methanoseta thermophila</i> &#x26amp;#x2013; Responding to Ammonia Stress. <i>Microbes and Environments</i> , 2014, 29, 162-167.	1.6	44

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37	Isolation, Identification, and Characterization of a Novel, Oil-Degrading Bacterium, <i>Pseudomonas aeruginosa</i> T1. <i>Current Microbiology</i> , 2004, 49, 108-114.	2.2	43
38	<i>Shewanella pneumatophori</i> sp. nov., an eicosapentaenoic acid-producing marine bacterium isolated from the intestines of Pacific mackerel ( <i>Pneumatophorus japonicus</i> ). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2355-2359.	1.7	43
39	Assignment of <i>Pseudomonas</i> sp. strain E-3 to <i>Pseudomonas psychrophila</i> sp. nov., a new facultatively psychrophilic bacterium. <i>Extremophiles</i> , 2001, 5, 343-349.	2.3	42
40	<i>Bacillus polygoni</i> sp. nov., a moderately halophilic, non-motile obligate alkaliphile isolated from indigo balls. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 120-124.	1.7	42
41	<i>Calditerricola satsumensis</i> gen. nov., sp. nov. and <i>Calditerricola yamamurae</i> sp. nov., extreme thermophiles isolated from a high-temperature compost. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 631-636.	1.7	42
42	Microbial Communities Associated With Indigo Fermentation That Thrive in Anaerobic Alkaline Environments. <i>Frontiers in Microbiology</i> , 2018, 9, 2196.	3.5	38
43	Cytochrome c and bioenergetic hypothetical model for alkaliphilic <i>Bacillus</i> spp.. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 365-379.	2.2	33
44	A Novel <i>aco</i> -Type Cytochrome-c Oxidase from a Facultative Alkaliphilic <i>Bacillus</i> : Purification, and Some Molecular and Enzymatic Features1. <i>Journal of Biochemistry</i> , 1990, 107, 480-485.	1.7	32
45	<i>Amphibacillus iburiensis</i> sp. nov., an alkaliphile that reduces an indigo dye. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4303-4308.	1.7	32
46	<i>Psychromonas marina</i> sp. nov., a novel halophilic, facultatively psychrophilic bacterium isolated from the coast of the Okhotsk Sea.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1455-1459.	1.7	32
47	<i>Fermentibacillus polygoni</i> gen. nov., sp. nov., an alkaliphile that reduces indigo dye. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2247-2253.	1.7	32
48	<i>Pseudomonas toyotomiensis</i> sp. nov., a psychrotolerant facultative alkaliphile that utilizes hydrocarbons. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1842-1848.	1.7	31
49	Purification and Characterization of Two Membrane-Bound <i>c</i> -Type Cytochromes from a Facultative Alkaliphilic <i>Bacillus</i> . <i>Journal of Biochemistry</i> , 1991, 110, 267-273.	1.7	30
50	<i>Alteromonas gracilis</i> sp. nov., a marine polysaccharide-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1498-1503.	1.7	30
51	<i>Oceanobacillus polygoni</i> sp. nov., a facultatively alkaliphile isolated from indigo fermentation fluid. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3307-3312.	1.7	29
52	<i>Amphibacillus indicireducens</i> sp. nov., an alkaliphile that reduces an indigo dye. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 464-469.	1.7	29
53	<i>Pseudoalteromonas shioyasakiensis</i> sp. nov., a marine polysaccharide-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 101-106.	1.7	29
54	<i>Polygonibacillus indicireducens</i> gen. nov., sp. nov., an indigo-reducing and obligate alkaliphile isolated from indigo fermentation liquor for dyeing. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4650-4656.	1.7	29

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55	The Impact of Aridification and Vegetation Type on Changes in the Community Structure of Methane-Cycling Microorganisms in Japanese Wetland Soils. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1727-1734.	1.3	27
56	<i>Brevibacillus nitrificans</i> sp. nov., a nitrifying bacterium isolated from a microbiological agent for enhancing microbial digestion in sewage treatment tanks. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2121-2126.	1.7	27
57	A Mechanism of Resistance to Hydrogen Peroxide in <i>Vibrio rumoiensis</i> S-1. <i>Applied and Environmental Microbiology</i> , 1999, 65, 73-79.	3.1	27
58	The Molecular Features and Catalytic Activity of CuA-Containing <i>aco3</i> -Type Cytochrome c Oxidase from a Facultative Alkaliphilic <i>Bacillus</i> . <i>Journal of Biochemistry</i> , 1993, 114, 88-95.	1.7	26
59	<i>Psychrobacter piscatorii</i> sp. nov., a psychrotolerant bacterium exhibiting high catalase activity isolated from an oxidative environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 205-208.	1.7	26
60	<i>Gracilibacillus alcaliphilus</i> sp. nov., a facultative alkaliphile isolated from indigo fermentation liquor for dyeing. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3174-3180.	1.7	26
61	Overexpressed Superoxide Dismutase and Catalase Act Synergistically to Protect the Repair of PSII during Photoinhibition in <i>Synechococcus elongatus</i> PCC 7942. <i>Plant and Cell Physiology</i> , 2016, 57, 1899-1907.	3.1	26
62	Identification of facultatively alkaliphilic <i>Bacillus</i> sp. strain YN-2000 and its fatty acid composition and cell-surface aspects depending on culture pH. <i>Extremophiles</i> , 2000, 4, 285-290.	2.3	24
63	Enhancement of the nitrogen fixation efficiency of genetically-engineered <i>Rhizobium</i> with high catalase activity. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 397-402.	2.2	24
64	<i>Rhodococcus tukisamuensis</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1333-1337.	1.7	23
65	The effects of elevated CO <sub>2</sub> concentration on competitive interaction between acetoclastic and syntrophic methanogenesis in a model microbial consortium. <i>Frontiers in Microbiology</i> , 2014, 5, 575.	3.5	23
66	Isolation of <i>Vibrio</i> sp. S-1 exhibiting extraordinarily high catalase activity. <i>Journal of Bioscience and Bioengineering</i> , 1998, 85, 113-116.	0.9	22
67	Temperature and nutrient availability control growth rate and fatty acid composition of facultatively psychrophilic <i>Cobetia marina</i> strain L-2. <i>Archives of Microbiology</i> , 2004, 181, 345-351.	2.2	22
68	Production of two types of exopolysaccharide by <i>Novosphingobium rosa</i> . <i>Journal of Bioscience and Bioengineering</i> , 2003, 95, 152-156.	2.2	21
69	Effects of H <sub>2</sub> O <sub>2</sub> under Low- and High-Aeration-Level Conditions on Growth and Catalase Activity in <i>Exiguobacterium oxidotolerans</i> T-2-T. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 464-469.	2.2	21
70	<i>Pseudoalteromonas arabiensis</i> sp. nov., a marine polysaccharide-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1805-1809.	1.7	21
71	Bacterial community changes in diesel-oil-contaminated soil microcosms biostimulated with Luria-Bertani medium or bioaugmented with a petroleum-degrading bacterium, <i>Pseudomonas aeruginosa</i> strain WatG. <i>Journal of Basic Microbiology</i> , 2006, 46, 310-317.	3.3	20
72	Analysis of microbiota involved in the aged natural fermentation of indigo. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 70.	3.6	20

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73	Paralkalibacillus indicireducens gen., nov., sp. nov., an indigo-reducing obligate alkaliphile isolated from indigo fermentation liquor used for dyeing. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4050-4056.	1.7	19
74	Crystal structure of salt-tolerant glutaminase from <i>Micrococcus fluteus</i> in the presence and absence of its product L-glutamate and its activator Tris. FEBS Journal, 2010, 277, 738-748.	4.7	18
75	Bioenergetics and the Role of Soluble Cytochromes for Alkaline Adaptation in Gram-Negative Alkaliphilic <i>Pseudomonas</i> . BioMed Research International, 2015, 2015, 1-14.	1.9	18
76	Bacillus fermenti sp. nov., an indigo-reducing obligate alkaliphile isolated from indigo fermentation liquor for dyeing. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1123-1129.	1.7	18
77	Comparative study on cytochrome content of alkaliphilic Bacillus strains. Journal of Bioscience and Bioengineering, 1997, 83, 466-469.	0.9	17
78	Acinetobacter sp. strain Ths, a novel psychrotolerant and alkalitolerant bacterium that utilizes hydrocarbon. Extremophiles, 2008, 12, 729-734.	2.3	17
79	Psychrobacter oceani sp. nov., isolated from marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1450-1455.	1.7	17
80	Characterization of Catalase from Psychrotolerant Psychrobacter piscatorii T-3 Exhibiting High Catalase Activity. International Journal of Molecular Sciences, 2012, 13, 1733-1746.	4.1	16
81	Title is missing!. Biotechnology Letters, 2000, 22, 183-187.	2.2	15
82	Heme content of recombinant catalase from Psychrobacter sp. T-3 altered by host Escherichia coli cell growth conditions. Protein Expression and Purification, 2008, 59, 357-359.	1.3	15
83	Paenibacillus macquariensis subsp. defensor subsp. nov., isolated from boreal soil. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 2074-2079.	1.7	15
84	Vibrio aphrogenes sp. nov., in the Rumoiensis clade isolated from a seaweed. PLoS ONE, 2017, 12, e0180053.	2.5	15
85	Formation of Proton Motive Force Under Low-Aeration Alkaline Conditions in Alkaliphilic Bacteria. Frontiers in Microbiology, 2018, 9, 2331.	3.5	15
86	Characterization of the microbiota in long- and short-term natural indigo fermentation. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1657-1667.	3.0	15
87	Enhanced heterologous production of eicosapentaenoic acid in Escherichia coli cells that co-express eicosapentaenoic acid biosynthesis pfa genes and foreign DNA fragments including a high-performance catalase gene, vktA. Biotechnology Letters, 2007, 29, 803-809.	2.2	14
88	Possible Biosynthetic Pathways for all cis-3,6,9,12,15,19,22,25,28-Hentriacontanoic Acids in Bacteria. Lipids, 2010, 45, 167-177.	1.7	14
89	The Combination of Functional Metagenomics and an Oil-Fed Enrichment Strategy Revealed the Phylogenetic Diversity of Lipolytic Bacteria Overlooked by the Cultivation-Based Method. Microbes and Environments, 2014, 29, 154-161.	1.6	14
90	Title is missing!. Biotechnology Letters, 1999, 21, 641-646.	2.2	13

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91	Environmental and Taxonomic Biodiversities of Gram-Positive Alkaliphiles. , 0, , 293-310.		13
92	H <sub>2</sub> O <sub>2</sub> tolerance of <i>Vibrio rumoiensis</i> S-1T is attributable to the cellular catalase activity. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 39-45.	2.2	12
93	The obligate alkaliphile <i>Bacillus clarkii</i> K24-1U retains extruded protons at the beginning of respiration. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 111-116.	2.3	12
94	Growth-Dependent Catalase Localization in <i>Exiguobacterium oxidotolerans</i> T-2-2T Reflected by Catalase Activity of Cells. <i>PLoS ONE</i> , 2013, 8, e76862.	2.5	12
95	Analysis of the microbiota involved in the early changes associated with indigo reduction in the natural fermentation of indigo. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 123.	3.6	12
96	Production of a novel exopolysaccharide by <i>Rahnella aquatilis</i> . <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 180-183.	2.2	11
97	Gene cloning and expression of the catalase from the hydrogen peroxide-resistant bacterium <i>Vibrio rumoiensis</i> S-1 and its subcellular localization. <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 530-534.	2.2	11
98	Winter damage caused by <i>Typhula ishikariensis</i> biological species I on conifer seedlings and hop roots collected in the Volga-Ural regions of Russia. <i>Canadian Journal of Plant Pathology</i> , 2004, 26, 391-396.	1.4	11
99	Development of media to accelerate the isolation of indigo-reducing bacteria, which are difficult to isolate using conventional media. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 133.	3.6	11
100	Characterization of <i>Trichoderma polysporum</i> from Spitsbergen, Svalbard archipelago, Norway, with species identity, pathogenicity to moss, and polygalacturonase activity. <i>Fungal Ecology</i> , 2011, 4, 15-21.	1.6	10
101	Expression of a highly active catalase <i>VktA</i> in the cyanobacterium <i>Synechococcus elongatus</i> PCC 7942 alleviates the photoinhibition of photosystem II. <i>Photosynthesis Research</i> , 2013, 117, 509-515.	2.9	10
102	<i>Pseudoalteromonas arabiensis</i> sp. nov., a marine polysaccharide-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3130-3130.	1.7	10
103	A novel membrane-anchored cytochrome c-550 of alkaliphilic <i>Bacillus clarkii</i> K24-1U: expression, molecular features and properties of redox potential. <i>Extremophiles</i> , 2009, 13, 491-504.	2.3	9
104	Environmental Distribution and Taxonomic Diversity of Alkaliphiles. , 2011, , 55-79.		9
105	Isolation and characterization of a novel facultatively alkaliphilic bacterium, <i>Corynebacterium</i> sp., grown on n-alkanes. <i>Archives of Microbiology</i> , 1994, 162, 381-386.	2.2	8
106	Cytochrome c-552 from gram-negative alkaliphilic <i>Pseudomonas alcaliphila</i> AL15-21T alters the redox properties at high pH. <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 247-254.	2.2	8
107	Neutral lipids, phospholipids, and a betaine lipid of the snow mold fungus <i>Microdochium nivale</i> . <i>Canadian Journal of Microbiology</i> , 1998, 44, 1051-1059.	1.7	8
108	<i>Fundicoccus fermenti</i> sp. nov., an indigo-reducing facultative anaerobic alkaliphile isolated from indigo fermentation liquor used for dyeing. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	1.7	8



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109	Contribution of intracellular negative ion capacity to Donnan effect across the membrane in alkaliphilic <i>Bacillus</i> spp.. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 87-96.	2.3	7
110	Analysis of bacterial flora of indigo fermentation fluids utilizing composted indigo leaves (sukumo) and indigo extracted from plants (Ryukyu-ai and Indian indigo). <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 279-286.	2.2	7
111	Relationship between rates of respiratory proton extrusion and ATP synthesis in obligately alkaliphilic <i>Bacillus clarkii</i> DSM 8720T. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 265-272.	2.3	6
112	Manipulation of culture conditions for extensive extracellular catalase production by <i>Exiguobacterium oxidotolerans</i> T-2-T. <i>Annals of Microbiology</i> , 2015, 65, 1183-1187.	2.6	6
113	Isolation and identification of bacteria from high-temperature compost at temperatures exceeding 90C. <i>African Journal of Microbiology Research</i> , 2019, 13, 134-144.	0.4	6
114	The Mechanism Underlying of Long-Term Stable Indigo Reduction State in Indigo Fermentation Using Sukumo (Composted <i>Polygonum tinctorium</i> Leaves). <i>Frontiers in Microbiology</i> , 2021, 12, 698674.	3.5	6
115	Snow mold fungus, <i>Typhula ishikariensis</i> group III, in Arctic Norway can grow at a sub-lethal temperature after freezing stress and during flooding. <i>Sommerfeltia</i> , 2008, 31, 125-131.	1.0	5
116	Physiological role and redox properties of a small cytochrome c5, cytochrome c-552, from alkaliphile, <i>Pseudomonas alcaliphila</i> AL15-21T. <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 465-470.	2.2	5
117	Physiological function of soluble cytochrome c-552 from alkaliphilic <i>Pseudomonas alcaliphila</i> AL15-21T. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 473-481.	2.3	5
118	Detection of the Na <sup>+</sup> -translocating NADH-quinone reductase in marine bacteria using a PCR technique. <i>Canadian Journal of Microbiology</i> , 2000, 46, 325-332.	1.7	5
119	Production of L-lactic Acid by Direct Fermentation of Potato.. <i>Kagaku Kogaku Ronbunshu</i> , 1998, 24, 722-725.	0.3	4
120	Cultivation of Microorganisms in the Cultural Medium Made from Squid Internal Organs and Accumulation of Polyunsaturated Fatty Acids in the Cells. <i>Biotechnology Letters</i> , 2005, 27, 933-941.	2.2	4
121	Genomic characterization of closely related species in the <i>Rumoiensis</i> clade infers ecogenomic signatures to non-marine environments. <i>Environmental Microbiology</i> , 2020, 22, 3205-3217.	3.8	4
122	<i>Indigofera tinctoria</i> leaf powder as a promising additive to improve indigo fermentation prepared with sukumo (composted <i>Polygonum tinctorium</i> leaves). <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 179.	3.6	4
123	<i>Shewanella oshoroensis</i> sp. nov.: A Mesophilic Eicosapentaenoic Acid and Hentriacontanoic Acid-producing Bacterium. <i>Research Journal of Microbiology</i> , 2012, 7, 131-138.	0.2	3
124	High and Rapid L-lactic Acid Production by Alkaliphilic <i>Enterococcus</i> sp. by Adding Wheat Bran Hydrolysate. <i>Fermentation Technology</i> , 2016, 06, .	0.1	2
125	Bacterial communities in different locations, seasons and segments of a dairy wastewater treatment system consisting of six segments. <i>Journal of Environmental Sciences</i> , 2016, 46, 109-115.	6.1	1
126	Comparison between wet and semi-dry anaerobic biogas diester under thermophilic and mesophilic conditions: Methane productivity and analysis of microbiota. <i>African Journal of Microbiology Research</i> , 2020, 14, 319-331.	0.4	1



#	ARTICLE	IF	CITATIONS
127	Relationship Between Main Channel Structure of Catalases and the Evolutionary Direction in Cold-Adapted Hydrogen Peroxide-Tolerant Exiguobacterium and Psychrobacter. Indian Journal of Microbiology, 2020, 60, 353-362.	2.7	1
128	Gene Cloning and Expression of the Catalase from the Hydrogen Peroxide-Resistant Bacterium <i>Vibrio rumoiensis</i> S-1 and Its Subcellular Localization.. Journal of Bioscience and Bioengineering, 2000, 90, 530-534.	2.2	1
129	Production of Two Types of Exopolysaccharide by <i>Novosphingobium rosa</i> .. Journal of Bioscience and Bioengineering, 2003, 95, 152-156.	2.2	1
130	Multiple Functions of Electron-Transfer Protein, Cytochrome <i>c</i> in Alkaliphilic Bacteria. Kagaku To Seibutsu, 2015, 53, 156-163.	0.0	0
131	Evolutionary Strategies of Highly Functional Catalases for Adaptation to High H <sub>2</sub> O <sub>2</sub> Environments. , 0, , .		0
132	Decomposition and Volume Reduction of Scallop Remnants and Squid Viscera Using a Functional Microbial Complex. Journal of the Japan Society of Material Cycles and Waste Management, 2011, 22, 322-327.	0.0	0
133	Exogenous Catalase Gene Expression as a Tool for Enhancing Metabolic Activity and Production of Biomaterials in Host Microorganisms. , 0, , .		0
134	Differences in Bioenergetic Metabolism of Obligately Alkaliphilic Bacillaceae Under High pH Depend on the Aeration Conditions. Frontiers in Microbiology, 2022, 13, 842785.	3.5	0