

# In-Geol Choi

## List of Publications by Year in descending order

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147  
papers

5,099  
citations

71102

41  
h-index

110387

64  
g-index

154  
all docs

154  
docs citations

154  
times ranked

6022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethanol production from rice straw using optimized aqueous-ammonia soaking pretreatment and simultaneous saccharification and fermentation processes. <i>Bioresource Technology</i> , 2009, 100, 4374-4380.	9.6	247
2	Improved enzymatic hydrolysis yield of rice straw using electron beam irradiation pretreatment. <i>Bioresource Technology</i> , 2009, 100, 1285-1290.	9.6	202
3	Fungal pretreatment of lignocellulose by <i>Phanerochaete chrysosporium</i> to produce ethanol from rice straw. <i>Biotechnology and Bioengineering</i> , 2009, 104, 471-482.	3.3	176
4	Global extent of horizontal gene transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4489-4494.	7.1	142
5	Functional characterization of a bacterial expansin from <i>Bacillus subtilis</i> for enhanced enzymatic hydrolysis of cellulose. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1342-1353.	3.3	142
6	Overexpression and molecular characterization of Aga50D from <i>Saccharophagus degradans</i> 2-40: an exo-type $\beta$ -agarase producing neoagarobiose. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 227-234.	3.6	127
7	Exploring the human diseasome: the human disease network. <i>Briefings in Functional Genomics</i> , 2012, 11, 533-542.	2.7	118
8	The novel catabolic pathway of 3,6-anhydro-L-galactose, the main component of red macroalgae, in a marine bacterium. <i>Environmental Microbiology</i> , 2015, 17, 1677-1688.	3.8	106
9	Genomics of wood-degrading fungi. <i>Fungal Genetics and Biology</i> , 2014, 72, 82-90.	2.1	103
10	Crystal structure of an intracellular protease from <i>Pyrococcus horikoshii</i> at 2-Å resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 14079-14084.	7.1	97
11	Modification of mesenchymal stem cells for cardiac regeneration. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 309-319.	3.1	97
12	Enzymatic production of 3,6-anhydro-l-galactose from agarose and its purification and in vitro skin whitening and anti-inflammatory activities. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2961-2970.	3.6	96
13	Synergistic proteins for the enhanced enzymatic hydrolysis of cellulose by cellulase. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8469-8480.	3.6	92
14	Depolymerization of alginate into a monomeric sugar acid using Alg17C, an exo-oligoalginate lyase cloned from <i>Saccharophagus degradans</i> 2-40. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2233-2239.	3.6	90
15	Pretreatment and saccharification of red macroalgae to produce fermentable sugars. <i>Bioresource Technology</i> , 2016, 199, 311-318.	9.6	87
16	Olfactory receptor 544 reduces adiposity by steering fuel preference toward fats. <i>Journal of Clinical Investigation</i> , 2017, 127, 4118-4123.	8.2	81
17	A Novel Agarolytic $\beta$ -Galactosidase Acts on Agarooligosaccharides for Complete Hydrolysis of Agarose into Monomers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5965-5973.	3.1	78
18	Enhanced tolerance of <i>Saccharomyces cerevisiae</i> to multiple lignocellulose-derived inhibitors through modulation of spermidine contents. <i>Metabolic Engineering</i> , 2015, 29, 46-55.	7.0	77

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19	Crystal structure of a key enzyme in the agarolytic pathway, $\alpha$ -D-neoagarobiose hydrolase from <i>Saccharophagus degradans</i> 2â€™40. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 238-244.	2.1	76
20	Local feature frequency profile: A method to measure structural similarity in proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3797-3802.	7.1	74
21	Aqueous ammonia pretreatment of oil palm empty fruit bunches for ethanol production. <i>Bioresource Technology</i> , 2011, 102, 9806-9809.	9.6	74
22	Evolution of protein structural classes and protein sequence families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14056-14061.	7.1	72
23	The complete enzymatic saccharification of agarose and its application to simultaneous saccharification and fermentation of agarose for ethanol production. <i>Bioresource Technology</i> , 2012, 107, 301-306.	9.6	72
24	FunGAP: Fungal Genome Annotation Pipeline using evidence-based gene model evaluation. <i>Bioinformatics</i> , 2017, 33, 2936-2937.	4.1	70
25	Energy Conservation Model Based on Genomic and Experimental Analyses of a Carbon Monoxide-Utilizing, Butyrate-Forming Acetogen, <i>Eubacterium limosum</i> KIST612. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4782-4790.	3.1	69
26	Complete Genome Sequence of a Carbon Monoxide-Utilizing Acetogen, <i>Eubacterium limosum</i> KIST612. <i>Journal of Bacteriology</i> , 2011, 193, 307-308.	2.2	68
27	Red macroalgae as a sustainable resource for bio-based products. <i>Trends in Biotechnology</i> , 2015, 33, 247-249.	9.3	68
28	Structure-based functional inference in structural genomics. <i>Journal of Structural and Functional Genomics</i> , 2003, 4, 129-135.	1.2	60
29	Characterization of a recombinant endo-type alginate lyase (Alg7D) from <i>Saccharophagus degradans</i> . <i>Biotechnology Letters</i> , 2012, 34, 1087-1092.	2.2	60
30	Metabolically engineered glucose-utilizing <i>Shewanella</i> strains under anaerobic conditions. <i>Bioresource Technology</i> , 2014, 154, 59-66.	9.6	60
31	An Expansin-Like Protein from <i>Hahella chejuensis</i> Binds Cellulose and Enhances Cellulase Activity. <i>Molecules and Cells</i> , 2010, 29, 379-386.	2.6	59
32	Calcium Carbonate Precipitation by <i>Bacillus</i> and <i>Sporosarcina</i> Strains Isolated from Concrete and Analysis of the Bacterial Community of Concrete. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 540-548.	2.1	56
33	High temperature and low acid pretreatment and agarase treatment of agarose for the production of sugar and ethanol from red seaweed biomass. <i>Bioresource Technology</i> , 2013, 136, 582-587.	9.6	55
34	Optimization of synergism of a recombinant auxiliary activity 9 from <i>Chaetomium globosum</i> with cellulase in cellulose hydrolysis. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8537-8547.	3.6	54
35	Biological pretreatment of rice straw by fermenting with <i>Dichomitus squalens</i> . <i>New Biotechnology</i> , 2010, 27, 424-434.	4.4	53
36	Ethanol production from oil palm trunks treated with aqueous ammonia and cellulase. <i>Bioresource Technology</i> , 2011, 102, 7307-7312.	9.6	52

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37	Analysis of survival rates and cellular fatty acid profiles of <i>Listeria monocytogenes</i> treated with supercritical carbon dioxide under the influence of cosolvents. <i>Journal of Microbiological Methods</i> , 2008, 75, 47-54.	1.6	46
38	Comparative study of the airborne microbial communities and their functional composition in fine particulate matter (PM2.5) under non-extreme and extreme PM2.5 conditions. <i>Atmospheric Environment</i> , 2018, 194, 82-92.	4.1	46
39	Protein conformational space in higher order $\hat{A}$ - $\hat{A}$ maps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 618-621.	7.1	45
40	Chemicals that modulate stem cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7467-7471.	7.1	45
41	Production of 3,6-anhydro-l-galactose from agarose by agarolytic enzymes of <i>Saccharophagus degradans</i> 2-40. <i>Process Biochemistry</i> , 2011, 46, 88-93.	3.7	44
42	Comprehensive genomic and transcriptomic analysis of polycyclic aromatic hydrocarbon degradation by a mycoremediation fungus, <i>Dentipellis</i> sp. KUC8613. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8145-8155.	3.6	41
43	Binding characteristics of a bacterial expansin (BsEXLX1) for various types of pretreated lignocellulose. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5381-5388.	3.6	39
44	Enzymatic liquefaction of agarose above the sol-gel transition temperature using a thermostable endo-type $\beta$ -agarase, Aga16B. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1111-1120.	3.6	38
45	Cloning and expression of superoxide dismutase from <i>Aquifex pyrophilus</i> , a hyperthermophilic bacterium. <i>FEBS Letters</i> , 1997, 406, 142-146.	2.8	36
46	Acetate-assisted increase of butyrate production by <i>Eubacterium limosum</i> KIST612 during carbon monoxide fermentation. <i>Bioresource Technology</i> , 2017, 245, 560-566.	9.6	36
47	Extremely Thermostable Serine-type Protease from <i>Aquifex pyrophilus</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 881-888.	3.4	34
48	Genome Sequence of a Novel Member of the Genus <i>Psychrobacter</i> Isolated from Antarctic Soil. <i>Journal of Bacteriology</i> , 2012, 194, 2403-2403.	2.2	34
49	Genome Sequence of <i>Vibrio</i> sp. Strain EY3, an Agarolytic Marine Bacterium Metabolizing 3,6-Anhydro-L-Galactose as a Sole Carbon Source. <i>Journal of Bacteriology</i> , 2012, 194, 2773-2774.	2.2	34
50	Augmented CO <sub>2</sub> tolerance by expressing a single H <sup>+</sup> -pump enables microalgal valorization of industrial flue gas. <i>Nature Communications</i> , 2021, 12, 6049.	12.8	34
51	Genome Sequence of <i>Janthinobacterium</i> sp. Strain PAMC 25724, Isolated from Alpine Glacier Cryoconite. <i>Journal of Bacteriology</i> , 2012, 194, 2096-2096.	2.2	33
52	Structure of OsmC from <i>Escherichia coli</i> : a salt-shock-induced protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 903-911.	2.5	32
53	Global metabolic profiling of plant cell wall polysaccharide degradation by <i>Saccharophagus degradans</i> . <i>Biotechnology and Bioengineering</i> , 2010, 105, 477-488.	3.3	32
54	Aqueous ammonia pretreatment, saccharification, and fermentation evaluation of oil palm fronds for ethanol production. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1497-1503.	3.4	32

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55	Construction of Uniform Monolayer- and Orientation-Tunable Enzyme Electrode by a Synthetic Glucose Dehydrogenase without Electron-Transfer Subunit via Optimized Site-Specific Gold-Binding Peptide Capable of Direct Electron Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28615-28626.	8.0	32
56	Transcriptome analysis of acetic-acid-treated yeast cells identifies a large set of genes whose overexpression or deletion enhances acetic acid tolerance. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6391-6403.	3.6	31
57	<i>Chryseobacterium cucumeris</i> sp. nov., an endophyte isolated from cucumber ( <i>Cucumis sativus</i> L.) root, and emended description of <i>Chryseobacterium arthrosphaerae</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 610-616.	1.7	30
58	Structural Genomics of Minimal Organisms and Protein Fold Space. <i>Journal of Structural and Functional Genomics</i> , 2005, 6, 63-70.	1.2	29
59	Saccharification of agar using hydrothermal pretreatment and enzymes supplemented with agarolytic $\beta$ -galactosidase. <i>Process Biochemistry</i> , 2015, 50, 1629-1633.	3.7	28
60	Transcriptome landscape of <i>Synechococcus elongatus</i> PCC 7942 for nitrogen starvation responses using RNA-seq. <i>Scientific Reports</i> , 2016, 6, 30584.	3.3	28
61	Structure-based inference of molecular functions of proteins of unknown function from Berkeley Structural Genomics Center. <i>Journal of Structural and Functional Genomics</i> , 2007, 8, 99-105.	1.2	26
62	Global metabolite profiling of agarose degradation by <i>Saccharophagus degradans</i> 2-40. <i>New Biotechnology</i> , 2010, 27, 156-168.	4.4	26
63	Characteristics of the binding of a bacterial expansin ( <i>EXLX1</i> ) to microcrystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2013, 110, 401-407.	3.3	26
64	Effect of propofol on calcium homeostasis in hypoxia-reoxygenated neonatal rat cardiomyocytes. <i>European Journal of Pharmacology</i> , 2008, 594, 139-145.	3.5	25
65	Genomic and transcriptomic perspectives on mycoremediation of polycyclic aromatic hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6919-6928.	3.6	25
66	Genome Sequence of the Abyssomicin- and Proximicin-Producing Marine Actinomycete <i>Verrucosispora maris</i> AB-18-032. <i>Journal of Bacteriology</i> , 2011, 193, 3391-3392.	2.2	24
67	Transcriptional Response and Enhanced Intestinal Adhesion Ability of <i>Lactobacillus rhamnosus</i> GG after Acid Stress. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1604-1613.	2.1	24
68	Molecular Characterization of a Novel Bacterial Aryl Acylamidase Belonging to the Amidase Signature Enzyme Family. <i>Molecules and Cells</i> , 2010, 29, 485-492.	2.6	23
69	Crystal structure analysis of a bacterial aryl acylamidase belonging to the amidase signature enzyme family. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 268-274.	2.1	23
70	Molecular cloning, expression, and characterization of a thermostable glutamate racemase from a hyperthermophilic bacterium, <i>Aquifex pyrophilus</i> . <i>Extremophiles</i> , 1999, 3, 175-183.	2.3	21
71	Genome sequence of a white rot fungus <i>Schizophora paradoxa</i> KUC8140 for wood decay and mycoremediation. <i>Journal of Biotechnology</i> , 2015, 211, 42-43.	3.8	21
72	Genomic discovery of the hypsin gene and biosynthetic pathways for terpenoids in <i>Hypsizygus marmoreus</i> . <i>BMC Genomics</i> , 2018, 19, 789.	2.8	21

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73	Biosensing and electrochemical properties of flavin adenine dinucleotide (FAD)-Dependent glucose dehydrogenase (GDH) fused to a gold binding peptide. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112427.	10.1	21
74	Transcriptome Analysis Reveals the AhR, Smad2/3, and HIF-1 $\alpha$ Pathways as the Mechanism of Ochratoxin A Toxicity in Kidney Cells. <i>Toxins</i> , 2021, 13, 190.	3.4	21
75	Crystallization and preliminary X-ray analysis of neoagarobiose hydrolase from <i>Saccharophagus degradans</i> 2-40. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1299-1301.	0.7	20
76	An expansin from the marine bacterium <i>Hahella chejuensis</i> acts synergistically with xylanase and enhances xylan hydrolysis. <i>Bioresource Technology</i> , 2013, 149, 516-519.	9.6	20
77	The obligate alkalophilic soda lake fungus <i>Sodiomyces alkalinus</i> has shifted to a protein diet. <i>Molecular Ecology</i> , 2018, 27, 4808-4819.	3.9	20
78	<i>Altererythrobacter lutimaris</i> sp. nov., a marine bacterium isolated from a tidal flat and reclassification of <i>Altererythrobacter deserti</i> , <i>Altererythrobacter estronivorus</i> and <i>Altererythrobacter muriae</i> as <i>Tsuneonella deserti</i> comb. nov., <i>Croceicoccus estronivorus</i> comb. nov. and <i>Alteripontixanthobacter muriae</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	20
79	<i>Gemmobacter lutimaris</i> sp. nov., a marine bacterium isolated from a tidal flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1676-1681.	1.7	19
80	Evolutionary innovations through gain and loss of genes in the ectomycorrhizal Boletales. <i>New Phytologist</i> , 2022, 233, 1383-1400.	7.3	19
81	Optimal production of a novel endo-acting $\beta$ -1,4-xylanase cloned from <i>Saccharophagus degradans</i> 2-40 into <i>Escherichia coli</i> BL21(DE3). <i>New Biotechnology</i> , 2009, 26, 157-164.	4.4	18
82	Complete Genome Sequencing of <i>Lactobacillus acidophilus</i> 30SC, Isolated from Swine Intestine. <i>Journal of Bacteriology</i> , 2011, 193, 2882-2883.	2.2	18
83	Tolerance to acetic acid is improved by mutations of the <i>TATA</i> -binding protein gene. <i>Environmental Microbiology</i> , 2015, 17, 656-669.	3.8	18
84	A Multifunctional Polysaccharide Utilization Gene Cluster in <i>Colwellia echini</i> Encodes Enzymes for the Complete Degradation of $\beta$ -Carrageenan, $\gamma$ -Carrageenan, and Hybrid $\beta$ -Carrageenan. <i>MSphere</i> , 2020, 5, .	2.9	18
85	Interaction and Assembly of HBV Structural Proteins: Novel Target Sites of Anti-HBV Agents. <i>Infectious Disorders - Drug Targets</i> , 2007, 7, 251-256.	0.8	17
86	Genetic engineering system for syngas-utilizing acetogen, <i>Eubacterium limosum</i> KIST612. <i>Bioresource Technology Reports</i> , 2020, 11, 100452.	2.7	17
87	Functional Cell Surface Display and Controlled Secretion of Diverse Agarolytic Enzymes by <i>Escherichia coli</i> with a Novel Ligation-Independent Cloning Vector Based on the Autotransporter YfaL. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3051-3058.	3.1	16
88	Loss of <i>Dfg5</i> glycosylphosphatidylinositol-anchored membrane protein confers enhanced heat tolerance in <i>Saccharomyces cerevisiae</i> . <i>Environmental Microbiology</i> , 2015, 17, 2721-2734.	3.8	16
89	Unusual genome expansion and transcription suppression in ectomycorrhizal <i>Tricholoma matsutake</i> by insertions of transposable elements. <i>PLoS ONE</i> , 2020, 15, e0227923.	2.5	15
90	Metabolism perturbation Caused by the overexpression of carbon monoxide dehydrogenase/Acetyl-CoA synthase gene complex accelerated gas to acetate conversion rate of <i>Eubacterium limosum</i> KIST612. <i>Bioresource Technology</i> , 2021, 341, 125879.	9.6	15

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91	Significant enhancement of direct electric communication across enzyme-electrode interface via nano-patterning of synthetic glucose dehydrogenase on spatially tunable gold nanoparticle (AuNP)-modified electrode. <i>Biosensors and Bioelectronics</i> , 2019, 126, 170-177.	10.1	14
92	Crystal structure of a stress inducible protein from <i>Mycoplasma pneumoniae</i> at 2.85 Å resolution. <i>Journal of Structural and Functional Genomics</i> , 2003, 4, 31-34.	1.2	13
93	<i>Oceanimonas marisflavi</i> sp. nov., a polycyclic aromatic hydrocarbon-degrading marine bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2990-2995.	1.7	13
94	<i>Chryseobacterium phosphatilyticum</i> sp. nov., a phosphate-solubilizing endophyte isolated from cucumber ( <i>Cucumis sativus</i> L.) root. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 610-615.	1.7	13
95	Previously Undescribed Plasmids Recovered from Activated Sludge Confer Tetracycline Resistance and Phenotypic Changes to <i>Acinetobacter oleivorans</i> DR1. <i>Microbial Ecology</i> , 2014, 67, 369-379.	2.8	12
96	<i>Marinobacter halodurans</i> sp. nov., a halophilic bacterium isolated from sediment of a salt flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 6294-6300.	1.7	12
97	Random sequence analysis of genomic DNA of a hyperthermophile: <i>Aquifex pyrophilus</i> . <i>Extremophiles</i> , 1997, 1, 125-134.	2.3	11
98	Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, <i>Saccharophagus degradans</i> 2-40. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 677-684.	3.4	11
99	Transcriptome analysis and anaerobic C <sub>4</sub> -dicarboxylate transport in <i>Actinobacillus succinogenes</i> . <i>MicrobiologyOpen</i> , 2018, 7, e00565.	3.0	11
100	Model-Based Complete Enzymatic Production of 3,6-Anhydro-galactose from Red Algal Biomass. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6814-6821.	5.2	11
101	Dietary sophorolipid accelerates growth by modulation of gut microbiota population and intestinal environments in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 81.	5.3	11
102	<i>Muricauda ochracea</i> sp. nov., isolated from a tidal flat in the Republic of Korea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4555-4561.	1.7	11
103	Draft Genome Sequence of <i>Chryseobacterium</i> sp. Strain GSE06, a Biocontrol Endophytic Bacterium Isolated from Cucumber ( <i>Cucumis sativus</i> ). <i>Genome Announcements</i> , 2016, 4, .	0.8	10
104	<i>Novosphingobium aureum</i> sp. nov., a marine bacterium isolated from salt flat sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	10
105	<i>Zobellella maritima</i> sp. nov., a polycyclic aromatic hydrocarbon-degrading bacterium, isolated from beach sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2279-2284.	1.7	10
106	The Transcription Factor Roc1 Is a Key Regulator of Cellulose Degradation in the Wood-Decaying Mushroom <i>Schizophyllum commune</i> . <i>MBio</i> , 2022, 13, .	4.1	10
107	Genome Analysis of a Zygomycete Fungus <i>Choanephora cucurbitarum</i> Elucidates Necrotrophic Features Including Bacterial Genes Related to Plant Colonization. <i>Scientific Reports</i> , 2017, 7, 40432.	3.3	9
108	A Novel Auxiliary Agarolytic Pathway Expands Metabolic Versatility in the Agar-Degrading Marine Bacterium <i>Colwellia echini</i> A3. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0023021.	3.1	9

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109	Draft Genome Sequences of <i>Chryseobacterium lactis</i> NCTC11390 <sup>T</sup> Isolated from Milk, <i>Chryseobacterium oncorhynchi</i> 701B-08 <sup>T</sup> from Rainbow Trout, and <i>Chryseobacterium viscerum</i> 687B-08 <sup>T</sup> from Diseased Fish. <i>Genome Announcements</i> , 2018, 6, .	0.8	8
110	Draft Genome Sequence of Phosphate-Solubilizing <i>Chryseobacterium</i> sp. Strain ISE14, a Biocontrol and Plant Growth-Promoting Rhizobacterium Isolated from Cucumber. <i>Genome Announcements</i> , 2018, 6, .	0.8	8
111	<i>Maribacter litoralis</i> sp. nov. a marine bacterium isolated from seashore. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3471-3478.	1.7	8
112	High substrate specificity of 3,6-anhydro- l -galactose dehydrogenase indicates its essentiality in the agar catabolism of a marine bacterium. <i>Process Biochemistry</i> , 2018, 64, 130-135.	3.7	7
113	Feasibility test of utilizing <i>Saccharophagus degradans</i> 2-40T as the source of crude enzyme for the saccharification of lignocellulose. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 707-710.	3.4	6
114	Draft Genome Sequence of a Biocontrol Rhizobacterium, <i>Chryseobacterium kwangjuense</i> Strain KJ1R5, Isolated from Pepper ( <i>Capsicum annuum</i> ). <i>Genome Announcements</i> , 2016, 4, .	0.8	6
115	Cellotriose-hydrolyzing activity conferred by truncating the carbohydrate-binding modules of Cel5 from <i>Hahella chejuensis</i> . <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 241-249.	3.4	5
116	Target Selection for Structural Genomics: A Single Genome Approach. <i>OMICS A Journal of Integrative Biology</i> , 2002, 6, 349-362.	2.0	4
117	Production of p-acetaminophenol by whole-cell catalysis using <i>Escherichia coli</i> overexpressing bacterial aryl acylamidase. <i>Biotechnology Letters</i> , 2012, 34, 677-682.	2.2	4
118	Draft Genome Sequences of <i>Chryseobacterium artocarpi</i> UTM-3 <sup>T</sup> and <i>Chryseobacterium contaminans</i> C26 <sup>T</sup> , Isolated from Rhizospheres, and <i>Chryseobacterium arthrosphaerae</i> CC-VM-7 <sup>T</sup> , Isolated from the Feces of a Pill Millipede. <i>Genome Announcements</i> , 2016, 4, .	0.8	4
119	Prokaryotic Contig Annotation Pipeline Server: Web Application for a Prokaryotic Genome Annotation Pipeline Based on the Shiny App Package. <i>Journal of Computational Biology</i> , 2017, 24, 917-922.	1.6	4
120	Draft Genome Sequence of an Acid-Tolerant Yeast, <i>Candida zemplinina</i> NP2, a Potential Producer of Organic Acids. <i>Genome Announcements</i> , 2017, 5, .	0.8	4
121	Draft Genome Sequences of Two Glycoalkaloid-Degrading <i>Arthrobacter</i> Strains Isolated from Green Potato Peel. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	4
122	Evaluating Genetic Diversity of <i>Agaricus bisporus</i> Accessions through Phylogenetic Analysis Using Single-Nucleotide Polymorphism (SNP) Markers. <i>Mycobiology</i> , 2021, 49, 61-68.	1.7	4
123	<i>Aurantiacibacter sediminis</i> sp. nov., a marine bacterium isolated from a tidal flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	1.7	4
124	Rapid and robust enzymatic sensing and quantitation of 3,6-Anhydro-L-galactose in a heterogeneous sugar mixture. <i>Carbohydrate Research</i> , 2017, 446-447, 13-18.	2.3	3
125	3,6-Anhydro-L-galactonate cycloisomerase from <i>Vibriosp.</i> strain EJY3: crystallization and X-ray crystallographic analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 511-514.	0.8	3
126	Draft Genome Sequence of a Novel <i>Serratia</i> sp. Strain with Antifungal Activity. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	3



#	ARTICLE	IF	CITATIONS
127	Draft Genome Sequences of <i>Bacillus megaterium</i> KU143, <i>Microbacterium testaceum</i> KU313, and <i>Pseudomonas protegens</i> AS15, Isolated from Stored Rice Grains. <i>Genome Announcements</i> , 2018, 6, .	0.8	3
128	Gene-Centric Metagenome Analysis Reveals Gene Clusters for Carbon Monoxide Conversion and Validates Isolation of a Clostridial Acetogen for C2 Chemical Production. <i>Biotechnology Journal</i> , 2019, 14, 1800471.	3.5	3
129	Characterization of two leaf rust-resistant <i>Aegilops tauschii</i> accessions for the synthetic wheat development. <i>Applied Biological Chemistry</i> , 2020, 63, .	1.9	3
130	Whole-Genome Sequences of Five <i>Geobacillus stearothermophilus</i> Strains Isolated from Processing Lines of Powdered Infant Formula. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	2
131	Structural insights into the psychrophilic germinal protease PaGPR and its autoinhibitory loop. <i>Journal of Microbiology</i> , 2020, 58, 772-779.	2.8	2
132	SNP-Based Genetic Linkage Map and Quantitative Trait Locus Mapping Associated with the Agronomically Important Traits of <i>Hypsizygus marmoreus</i> . <i>Mycobiology</i> , 2021, 49, 589-598.	1.7	2
133	Overexpression and characterization of recombinant agarases from <i>Saccharophagus degradans</i> strains 2â€™40. <i>Journal of Biotechnology</i> , 2008, 136, S589.	3.8	1
134	Draft Genome Sequences of Two Ureolytic Bacteria Isolated from Concrete Block Waste. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
135	d-Stereoisomer preference of the OmpA-like domain of Pal in peptidoglycan of <i>Acinetobacter baumannii</i> . <i>Process Biochemistry</i> , 2017, 55, 110-115.	3.7	1
136	Crystal structure analysis of 3,6-anhydro- $\alpha$ -D-galactonate cycloisomerase suggests emergence of novel substrate specificity in the enolase superfamily. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 217-222.	2.1	1
137	Preparation of a ribosomally synthesized fungal peptide toxin precursor and its in-vitro cyclization. <i>Journal of Biotechnology</i> , 2020, 308, 124-129.	3.8	1
138	Development of a new brown button mushroom cultivar 'Hogam'. <i>Journal of Mushrooms</i> , 2015, 13, 237-242.	0.3	1
139	Soil environment reshapes microbiota of laboratory-maintained <i>Collembola</i> during host development. <i>Environmental Microbiomes</i> , 2022, 17, 16.	5.0	1
140	Characterization of recombinant xylanases from <i>Saccharophagus degradans</i> strains 2â€™40 for bioconversion of lignocellulosic biomass. <i>Journal of Biotechnology</i> , 2008, 136, S601.	3.8	0
141	Practical Guide for Fungal Gene Prediction from Genome Assembly and RNA-Seq Reads by FunGAP. <i>Methods in Molecular Biology</i> , 2019, 1962, 53-64.	0.9	0
142	Novel Monomeric Fungal Subtilisin Inhibitor from a Plant-Pathogenic Fungus, <i>Choanephora cucurbitarum</i> : Isolation and Molecular Characterization. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	0
143	Development of a Novel Cell Surface Attachment System to Display Multi-Protein Complex Using the Cohesin-Dockerin Binding Pair. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1183-1189.	2.1	0
144	Characteristic evaluation of collected strains of <i>Agaricus</i> spp. based on ITS rDNA sequence. <i>Journal of Mushrooms</i> , 2014, 12, 244-250.	0.3	0

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145	Selection of parental monokaryons from Korean <i>Hypsizigus marmoreus</i> by protoplast regeneration. <i>Journal of Mushrooms</i> , 2015, 13, 270-273.	0.3	0
146	Selection of <i>Agaricus bitorquis</i> hybrid strains based on RAPD analysis. <i>Journal of Mushrooms</i> , 2015, 13, 243-249.	0.3	0
147	Structural studies of the virulence factor peptidoglycan-associated lipoprotein from a Gram-negative pathogen. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s218-s218.	0.1	0