

Soon-Kwang Hong

List of Publications by Year in descending order

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57
papers

1,310
citations

394421

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377865

34
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docs citations

57
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	Neogargarooligosaccharides modulate gut microbiota and alleviate body weight gain and metabolic syndrome in high-fat diet-induced obese rats. <i>Journal of Functional Foods</i> , 2022, 88, 104869.	3.4	16
2	LacI-Family Transcriptional Regulator DagR Acts as a Repressor of the Agarolytic Pathway Genes in <i>Streptomyces coelicolor</i> A3(2). <i>Frontiers in Microbiology</i> , 2021, 12, 658657.	3.5	8
3	NADP ⁺ -Dependent Dehydrogenase SCO3486 and Cycloisomerase SCO3480: Key Enzymes for 3,6-Anhydro-L-Galactose Catabolism in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 756-763.	2.1	3
4	Implications of agar and agarase in industrial applications of sustainable marine biomass. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2815-2832.	3.6	49
5	Molecular Characterization of a Novel 1,3- β -3,6-Anhydro-L-Galactosidase, Ahg943, with Cold- and High-Salt-Tolerance from <i>Gayadomonas joobiniege</i> G7. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1659-1669.	2.1	4
6	Biochemical characterization of a novel cold-adapted agarotetraose-producing β -agarase, AgaWS5, from <i>Catenovulum sediminis</i> WS1-A. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8403-8411.	3.6	20
7	Characterization of Two Thermostable β -agarases from a Newly Isolated Marine Agarolytic Bacterium, <i>Vibrio</i> sp. S1. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 799-809.	2.6	3
8	Molecular Characterization of an Endo- β -1,4-Glucanase, CelAJ93, from the Recently Isolated Marine Bacterium, <i>Cellulophaga</i> sp. J9-3. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4061.	2.5	6
9	Characterization of a Novel Neogargarobiose-Producing GH42 β -Agarase, AgaJ10, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1-12.	2.9	14
10	Molecular Cloning and Characterization of a Novel Cold-Adapted Alkaline 1,3- β -3,6-Anhydro-l-galactosidase, Ahg558, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 1077-1095.	2.9	9
11	Safety evaluation of β -agarase preparations from <i>Streptomyces coelicolor</i> A3(2). <i>Regulatory Toxicology and Pharmacology</i> , 2019, 101, 142-155.	2.7	3
12	Production of Ethanol from Agarose by Unified Enzymatic Saccharification and Fermentation in Recombinant Yeast. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 625-632.	2.1	5
13	Expression and characterization of the processive exo- β -1,4-cellobiohydrolase SCO6546 from <i>Streptomyces coelicolor</i> A(3). <i>Journal of Basic Microbiology</i> , 2018, 58, 310-321.	3.3	7
14	Identification and biochemical characterization of a novel cold-adapted 1,3- β -3,6-anhydro-l-galactosidase, Ahg786, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8855-8866.	3.6	16
15	Biochemical Characterization of a Novel GH86 β -Agarase Producing Neogargarohexaose from <i>Gayadomonas joobiniege</i> G7. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 284-292.	2.1	18
16	Toxicological evaluation of neogargarooligosaccharides prepared by enzymatic hydrolysis of agar. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 90, 9-21.	2.7	34
17	Biochemical characterization of a novel cold-adapted GH39 β -agarase, AgaJ9, from an agar-degrading marine bacterium <i>Gayadomonas joobiniege</i> G7. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1965-1974.	3.6	30
18	Cloning, Expression, and Biochemical Characterization of a Novel Acidic GH16 β -Agarase, AgaJ11, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 961-971.	2.9	19

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19	Anti-Obesity and Anti-Diabetic Effect of Neoagarooligosaccharides on High-Fat Diet-Induced Obesity in Mice. <i>Marine Drugs</i> , 2017, 15, 90.	4.6	75
20	In vitro and in vivo investigation for biological activities of neoagarooligosaccharides prepared by hydrolyzing agar with β -agarase. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 489-496.	2.6	36
21	Overexpression and secretion of AgaA7 from <i>Pseudoalteromonas hodoensis</i> sp. nov in <i>Bacillus subtilis</i> for the depolymerization of agarose. <i>Enzyme and Microbial Technology</i> , 2016, 90, 19-25.	3.2	18
22	Molecular Characterization of Xylobiose- and Xylopentaose-Producing β -1,4-Endoxylanase SCO5931 from <i>Streptomyces coelicolor</i> A3(2). <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 349-360.	2.9	10
23	Periplasmic expression, purification, and characterization of an anti-epidermal growth factor receptor antibody fragment in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 321-330.	2.6	4
24	Molecular characterization of <i>Streptomyces coelicolor</i> A3(3) SCO6548 as a cellulose 1,4- β -cellobiosidase. <i>FEMS Microbiology Letters</i> , 2016, 363, fnv245.	1.8	23
25	Agarose hydrolysis by two-stage enzymatic process and bioethanol production from the hydrolysate. <i>Process Biochemistry</i> , 2016, 51, 759-764.	3.7	13
26	Molecular Characterization of the β -D-Galactosidase SCO0284 from <i>Streptomyces coelicolor</i> A3(2), a Family 27 Glycosyl Hydrolase. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1650-1656.	2.1	5
27	Identification of a new marine bacterium <i>Ruegeria</i> sp. 50C-3 isolated from seawater of Uljin in Korea and production of thermostable enzymes. <i>Korean Journal of Microbiology</i> , 2016, 52, 344-351.	0.2	0
28	Production of DagA and ethanol by sequential utilization of sugars in a mixed-sugar medium simulating microalgal hydrolysate. <i>Bioresource Technology</i> , 2015, 191, 414-419.	9.6	14
29	<i>Bacillus coreaensis</i> sp. nov.: a xylan-hydrolyzing bacterium isolated from the soil of Jeju Island, Republic of Korea. <i>Journal of Microbiology</i> , 2015, 53, 448-453.	2.8	10
30	Cloning, Expression, and Biochemical Characterization of a GH16 β -Agarase AgaH71 from <i>Pseudoalteromonas hodoensis</i> H7. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 733-747.	2.9	22
31	Biochemical characterization of a novel iron-dependent GH16 β -agarase, AgaH92, from an agarolytic bacterium <i>Pseudoalteromonas</i> sp. H9. <i>FEMS Microbiology Letters</i> , 2015, 362, .	1.8	17
32	Cloning, expression, and biochemical characterization of a novel GH16 β -agarase AgaG1 from <i>Alteromonas</i> sp. GNUM-1. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4545-4555.	3.6	57
33	Heterologous expression of a newly screened β -agarase from <i>Alteromonas</i> sp. GNUM1 in <i>Escherichia coli</i> and its application for agarose degradation. <i>Process Biochemistry</i> , 2014, 49, 430-436.	3.7	34
34	Production and Characterization of a Novel Thermostable Extracellular Agarase from <i>Pseudoalteromonas hodoensis</i> Newly Isolated from the West Sea of South Korea. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1703-1716.	2.9	25
35	Production of DagA, a β -D-Galactosidase, by <i>Streptomyces lividans</i> in Glucose Medium or Mixed-Sugar Medium Simulating Microalgae Hydrolysate. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1622-1628.	2.1	11
36	Production and characterization of a thermostable endo-type β -xylanase produced by a newly-isolated <i>Streptomyces thermocarboxydus</i> subspecies MW8 strain from Jeju Island. <i>Process Biochemistry</i> , 2013, 48, 1736-1743.	3.7	15

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37	Isolation and Characterization of a Novel Agar-Degrading Marine Bacterium, <i>Gayadomonas joobiniege</i> gen. nov, sp. nov., from the Southern Sea, Korea. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 1509-1518.	2.1	22
38	Identification and Characterization of a Xyloglucan-Specific Family 74 Glycosyl Hydrolase from <i>Streptomyces coelicolor</i> A3(2). <i>Applied and Environmental Microbiology</i> , 2012, 78, 607-611.	3.1	29
39	Identification and Biochemical Characterization of Sco3487 from <i>Streptomyces coelicolor</i> A3(2), an Exo- and Endo-Type α -Agarase-Producing Neoagarobiose. <i>Journal of Bacteriology</i> , 2012, 194, 142-149.	2.2	67
40	Genome Sequence of the Agar-Degrading Marine Bacterium <i>Alteromonadaceae</i> sp. Strain G7. <i>Journal of Bacteriology</i> , 2012, 194, 6961-6962.	2.2	14
41	A Novel Alkaliphilic Xylanase from the Newly Isolated Mesophilic <i>Bacillus</i> sp. MX47: Production, Purification, and Characterization. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 899-909.	2.9	17
42	Identification and characterization of a novel β -galactosidase from <i>Victivallis vadensis</i> ATCC BAA-548, an anaerobic fecal bacterium. <i>Journal of Microbiology</i> , 2012, 50, 1034-1040.	2.8	12
43	Agar degradation by microorganisms and agar-degrading enzymes. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 917-930.	3.6	216
44	Isolation and Characterization of an Agarase-Producing Bacterial Strain, <i>Alteromonas</i> sp. GNUM-1, from the West Sea, Korea. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 1621-1628.	2.1	18
45	Characterization of the autophosphorylating kinase, PkaF, in <i>Streptomyces coelicolor</i> A3(2) M130. <i>Archives of Microbiology</i> , 2011, 193, 845-856.	2.2	5
46	Overexpression and biochemical characterization of DagA from <i>Streptomyces coelicolor</i> A3(2): an endo-type β -agarase producing neoagarotetraose and neoagarohexaose. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 749-759.	3.6	67
47	Production of agarase from a novel <i>Micrococcus</i> sp. GNUM-08124 strain isolated from the East Sea of Korea. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 81-88.	2.6	11
48	Enhancement of protein secretion by TatAC overexpression in <i>Streptomyces griseus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 59-71.	2.6	6
49	Characterization of Sgr3394 produced only by the A-factor-producing <i>Streptomyces griseus</i> IFO 13350, not by the A-factor deficient mutant. <i>Journal of Microbiology</i> , 2011, 49, 155-160.	2.8	3
50	Medium Optimization and Application of Affinity Column Chromatography for Trypsin Production from Recombinant <i>Streptomyces griseus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1191-6.	2.1	11
51	Genetic organization of the putative salbostatin biosynthetic gene cluster including the 2-epi-5-epi-valiolone synthase gene in <i>Streptomyces albus</i> ATCC 21838. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 637-645.	3.6	21
52	Characterization of the <i>sgrR1</i> and <i>sgrR2</i> genes and their role in regulating expression of the <i>sprT</i> gene encoding <i>Streptomyces griseus</i> trypsin. <i>FEMS Microbiology Letters</i> , 2007, 276, 75-82.	1.8	15
53	Distinct regulation of the <i>sprC</i> gene encoding <i>Streptomyces griseus</i> protease C from other chymotrypsin genes in <i>Streptomyces griseus</i> IFO13350. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 81-8.	2.1	1
54	Expression and characterization of trehalose biosynthetic modules in the adjacent locus of the salbostatin gene cluster. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 1675-81.	2.1	3

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55	Overexpression of <i>Shinorhizobium meliloti</i> hemoprotein in <i>Streptomyces lividans</i> to enhance secondary metabolite production. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 2066-70.	2.1	9
56	Transcriptional Control by A-Factor of Two Trypsin Genes in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2005, 187, 286-295.	2.2	47
57	Identification of an A-factor-dependent promoter in the streptomycin biosynthetic gene cluster of <i>Streptomyces griseus</i> . <i>Molecular Genetics and Genomics</i> , 1991, 229, 119-128.	2.4	63