

Yuya Kumagai

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,038
citations

471509

17
h-index

454955

30
g-index

51
all docs

51
docs citations

51
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of dipeptidyl peptidase IV inhibitory peptides from defatted rice bran. <i>Food Chemistry</i> , 2012, 134, 797-802.	8.2	196
2	Isolation and primary structure of a cellulase from the Japanese sea urchin <i>Strongylocentrotus nudus</i> . <i>Biochimie</i> , 2007, 89, 1002-1011.	2.6	76
3	Isolation and characterization of two types of β -1,3-glucanases from the common sea hare <i>Aplysia kurodai</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 138-144.	1.6	41
4	Characterization of calcium ion sensitive region for β -Mannanase from <i>Streptomyces thermolilacinus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1127-1133.	2.3	37
5	Enzymatic properties and the primary structure of a β -1,3-glucanase from the digestive fluid of the Pacific abalone <i>Haliotis discus hannai</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 154, 113-120.	1.6	36
6	Efficient Extraction and Antioxidant Capacity of Mycosporine-Like Amino Acids from Red Alga <i>Dulse</i> <i>Palmaria palmata</i> in Japan. <i>Marine Drugs</i> , 2020, 18, 502.	4.6	36
7	Enzymatic Production of Ferulic Acid from Defatted Rice Bran by Using a Combination of Bacterial Enzymes. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1085-1093.	2.9	35
8	Heat treatment of curdlan enhances the enzymatic production of biologically active β -(1,3)-glucan oligosaccharides. <i>Carbohydrate Polymers</i> , 2016, 146, 396-401.	10.2	32
9	Extracellular Production and Characterization of Two <i>Streptomyces</i> β -Asparaginases. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 836-844.	2.9	30
10	A novel mechanism for the promotion of quercetin glycoside absorption by megalo β -1,6-glucosaccharide in the rat small intestine. <i>Food Chemistry</i> , 2013, 136, 293-296.	8.2	30
11	Enzymatic production of xylooligosaccharides from red alga <i>dulse</i> (<i>Palmaria</i> sp.) wasted in Japan. <i>Process Biochemistry</i> , 2019, 82, 117-122.	3.7	26
12	The loop structure of <i>Actinomycete</i> glycoside hydrolase family 5 mannanases governs substrate recognition. <i>FEBS Journal</i> , 2015, 282, 4001-4014.	4.7	24
13	In Silico Analysis of Relationship between Proteins from Plastid Genome of Red Alga <i>Palmaria</i> sp. (Japan) and Angiotensin I Converting Enzyme Inhibitory Peptides. <i>Marine Drugs</i> , 2019, 17, 190.	4.6	23
14	The structural analysis and the role of calcium binding site for thermal stability in mannanase. <i>Biochimie</i> , 2012, 94, 2783-2790.	2.6	22
15	Antioxidant activity of proteins extracted from red alga <i>dulse</i> harvested in Japan. <i>Journal of Food Biochemistry</i> , 2019, 43, e12709.	2.9	21
16	Preparation of β -1,3-glucanase from scallop mid-gut gland drips and its use for production of novel heterooligosaccharides. <i>Fisheries Science</i> , 2008, 74, 1127-1136.	1.6	20
17	Polysaccharide-Degrading Enzymes From Marine Gastropods. <i>Methods in Enzymology</i> , 2018, 605, 457-497.	1.0	20
18	Engineered dextranase from <i>Streptococcus mutans</i> enhances the production of longer isomaltooligosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1480-1487.	1.3	19

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19	Characterization of ACE Inhibitory Peptides Prepared from <i>Pyropia pseudolinearis</i> Protein. <i>Marine Drugs</i> , 2021, 19, 200.	4.6	19
20	MS/MS fragmentation-guided search of TMG-chitooligomycins and their structure-activity relationship in specific β -N-acetylglucosaminidase inhibition. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2943.	2.8	18
21	Identification of ACE inhibitory peptides from red alga <i>Mazzaella japonica</i> . <i>European Food Research and Technology</i> , 2020, 246, 2225-2231.	3.3	18
22	Effects of mutation of Asn694 in <i>Aspergillus niger</i> β -glucosidase on hydrolysis and transglucosylation. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6399-6408.	3.6	17
23	Comparative study on general properties of alginate lyases from some marine gastropod mollusks. <i>Fisheries Science</i> , 2009, 75, 755-763.	1.6	16
24	Different molecular complexity of linear-isomaltomegalosaccharides and β -cyclodextrin on enhancing solubility of azo dye ethyl red: Towards dye biodegradation. <i>Bioresource Technology</i> , 2014, 169, 518-524.	9.6	16
25	Enzymatic properties and primary structures of two α -amylase isozymes from the Pacific abalone <i>Haliotis discus hannai</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 164, 80-88.	1.6	15
26	Binding of bivalent ions to actinomycete mannanase is accompanied by conformational change and is a key factor in its thermal stability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 301-307.	2.3	15
27	A novel glycoside hydrolase family 97 enzyme: Bifunctional β -L-arabinopyranosidase/ β -galactosidase from <i>Bacteroides thetaiotaomicron</i> . <i>Biochimie</i> , 2017, 142, 41-50.	2.6	15
28	Identification of a Key Enzyme for the Hydrolysis of β -(1 \rightarrow 3)-Xylosyl Linkage in Red Alga Dulse Xylooligosaccharide from <i>Bifidobacterium Adolescentis</i> . <i>Marine Drugs</i> , 2020, 18, 174.	4.6	15
29	The Delay in the Development of Experimental Colitis from Isomaltosyloligosaccharides in Rats Is Dependent on the Degree of Polymerization. <i>PLoS ONE</i> , 2012, 7, e50658.	2.5	14
30	Biochemical properties and substrate recognition mechanism of GH31 β -glucosidase from <i>Bacillus</i> sp. AHU 2001 with broad substrate specificity. <i>Biochimie</i> , 2015, 108, 140-148.	2.6	14
31	Complete sequence of mitochondrial DNA of red alga dulse <i>Palmaria palmata</i> (Linnaeus) Weber & Mohr in Japan. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3177-3178.	0.4	13
32	In Silico Analysis of ACE Inhibitory Peptides from Chloroplast Proteins of Red Alga <i>Grateloupia asiatica</i> . <i>Marine Biotechnology</i> , 2020, 22, 391-402.	2.4	13
33	A laminaribiose-hydrolyzing enzyme, AkLab, from the common sea hare <i>Aplysia kurodai</i> and its transglycosylation activity. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 167, 1-7.	1.6	12
34	Extracellular Production and Characterization of <i>Streptomyces</i> X-prolyl Dipeptidyl Aminopeptidase. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 475-486.	2.9	10
35	Substrate recognition of the catalytic β -subunit of glucosidase II from <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1503-1511.	1.3	8
36	Complete sequence of mitochondrial DNA of <i>Gloiopeltis furcata</i> (Postels and Ruprecht) J. Agardh. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2543-2544.	0.4	7

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37	ACE inhibitory effect of the protein hydrolysates prepared from commercially available nori product by pepsin <trypsin <i="" digestion.="">European Food Research and Technology, 2022, 248, 243-251.</trypsin>	3.3	7
38	Monthly Variation and Ultraviolet Stability of Mycosporine-like Amino Acids from Red Alga Dulse <i>Palmaria palmata</i> in Japan. <i>Phycology</i> , 2021, 1, 119-128.	3.6	7
39	Molecular insights into the mechanism of thermal stability of actinomycete mannanase. <i>FEBS Letters</i> , 2016, 590, 2862-2869.	2.8	6
40	Synthesis of prolyl-hydroxyproline using prolyl aminopeptidase from <i>Streptomyces aureofaciens</i> TH-3. <i>Process Biochemistry</i> , 2011, 46, 1560-1564.	3.7	5
41	Effect of the binding of bivalent ion to the calcium-binding site responsible for the thermal stability of actinomycete mannanase: Potential use in production of functional mannoooligosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 94, 63-68.	1.8	5
42	Characterization of Antioxidant Activity of Heated Mycosporine-like Amino Acids from Red Alga Dulse <i>Palmaria palmata</i> in Japan. <i>Marine Drugs</i> , 2022, 20, 184.	4.6	5
43	Preparation of hemicellulolic oligosaccharides from <i>Chamaecyparis obtuse</i> (Hinoki) slurry using commercial enzymes. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 224-231.	4.4	4
44	Megalo-type β -1,6-glucosaccharides induce production of tumor necrosis factor α in primary macrophages via toll-like receptor 4 signaling. <i>Biomedical Research</i> , 2016, 37, 179-186.	0.9	4
45	Preparation of β (1 \rightarrow 3)/ β (1 \rightarrow 4) xylooligosaccharides from red alga dulse by two xylanases from <i>Streptomyces thermogriseus</i> . <i>Bioresources and Bioprocessing</i> , 2021, 8, .	4.2	4
46	Study on the Mechanism of the Blood-Glucose-Lowering Effect of Collagen Peptides from Sturgeon By-Products. <i>Marine Drugs</i> , 2021, 19, 584.	4.6	4
47	Characterization of an Unknown Region Linked to the Glycoside Hydrolase Family 17 β -1,3-Glucanase of <i>Vibrio vulnificus</i> Reveals a Novel Glucan-Binding Domain. <i>Marine Drugs</i> , 2022, 20, 250.	4.6	4
48	A practical approach to producing isomaltomegalosaccharide using dextran dextrinase from <i>Gluconobacter oxydans</i> ATCC 11894. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 689-698.	3.6	2
49	Physicochemical functionality of chimeric isomaltomegalosaccharides with β -(1 \rightarrow 4)-glucosidic segments of various lengths. <i>Carbohydrate Polymers</i> , 2022, 291, 119562.	10.2	2
50	Bp-6 Amphiphilic function of linear-isomaltomegalosaccharides (L-IMS) on ethyl red (ER) solubility. <i>Bulletin of Applied Glycoscience</i> , 2014, 4, B42.	0.0	0