

# Karan Wangpaiboon

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

337  
citations

759233

12  
h-index

839539

18  
g-index

20  
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20  
docs citations

20  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	High surfactant-tolerant $\alpha$ -mannanase isolated from <i>Dynastes hercules</i> larvae excrement, and identification of its hotspot using site-directed mutagenesis and molecular dynamics simulations. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109956.	3.2	2
2	Synergistic enzyme cocktail between levansucrase and inulosucrase for superb levan-type fructooligosaccharide synthesis. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109960.	3.2	4
3	Production of Large-Ring Cyclodextrins by Amylomaltases. <i>Molecules</i> , 2022, 27, 1446.	3.8	7
4	Unravelling Regioselectivity of <i>Leuconostoc citreum</i> ABK-1 Alternansucrase by Acceptor Site Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3229.	4.1	5
5	Assessing Dynamic Changes of Taste-Related Primary Metabolism During Ripening of Durian Pulp Using Metabolomic and Transcriptomic Analyses. <i>Frontiers in Plant Science</i> , 2021, 12, 687799.	3.6	16
6	A GH13 $\alpha$ -glucosidase from <i>Weissella cibaria</i> uncommonly acts on short-chain maltooligosaccharides. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1064-1076.	2.3	10
7	Characterization of a nanoparticulate exopolysaccharide from <i>Leuconostoc holzapfelii</i> KM01 and its potential application in drug encapsulation. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 690-698.	7.5	17
8	Enhancement of large ring cyclodextrin production using pretreated starch by glycogen debranching enzyme from <i>Corynebacterium glutamicum</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 193, 81-87.	7.5	6
9	Levansucrase from <i>Bacillus amyloliquefaciens</i> KK9 and Its Y237S Variant Producing the High Bioactive Levan-Type Fructooligosaccharides. <i>Biomolecules</i> , 2020, 10, 692.	4.0	27
10	Characterisation of insoluble $\alpha$ -1,3- $\beta$ -1,6 mixed linkage glucan produced in addition to soluble $\alpha$ -1,6-linked dextran by glucansucrase (DEX-N) from <i>Leuconostoc citreum</i> ABK-1. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 473-482.	7.5	21
11	Computational design of oligosaccharide producing levansucrase from <i>Bacillus licheniformis</i> RN-01 to improve its thermostability for production of levan-type fructooligosaccharides from sucrose. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 252-263.	7.5	28
12	Conserved Calcium-Binding Residues at the Ca-I Site Involved in Fructooligosaccharide Synthesis by <i>Lactobacillus reuteri</i> 121 Inulosucrase. <i>ACS Omega</i> , 2020, 5, 28001-28011.	3.5	18
13	Temperature-dependent inulin nanoparticles synthesized by <i>Lactobacillus reuteri</i> 121 inulosucrase and complex formation with flavonoids. <i>Carbohydrate Polymers</i> , 2019, 223, 115044.	10.2	20
14	Galactomannan Pentasaccharide Produced from Copra Meal Enhances Tight Junction Integration of Epithelial Tissue through Activation of AMPK. <i>Biomedicines</i> , 2019, 7, 81.	3.2	6
15	Modified properties of alternan polymers arising from deletion of SH3-like motifs in <i>Leuconostoc citreum</i> ABK-1 alternansucrase. <i>Carbohydrate Polymers</i> , 2019, 220, 103-109.	10.2	9
16	Rational re-design of <i>Lactobacillus reuteri</i> 121 inulosucrase for product chain length control. <i>RSC Advances</i> , 2019, 9, 14957-14965.	3.6	22
17	Effect of alternan versus chitosan on the biological properties of human mesenchymal stem cells. <i>RSC Advances</i> , 2019, 9, 4370-4379.	3.6	12
18	Computational design of <i>Bacillus licheniformis</i> RN-01 levansucrase for control of the chain length of levan-type fructooligosaccharides. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 1239-1248.	7.5	24

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19	Modulation of fructooligosaccharide chain length and insight into the product binding motif of <i>Lactobacillus reuteri</i> 121 inulosucrase. <i>Carbohydrate Polymers</i> , 2019, 209, 111-121.	10.2	44
20	An $\alpha$ -1,6- and $\alpha$ -1,3-linked glucan produced by <i>Leuconostoc citreum</i> ABK-1 alternansucrase with nanoparticle and film-forming properties. <i>Scientific Reports</i> , 2018, 8, 8340.	3.3	39