

# Kit-Leong Cheong

## List of Publications by Year in descending order

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66  
papers

3,172  
citations

126708

33  
h-index

161609

54  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Marine Algae Polysaccharides: Isolation, Structure, and Activities. <i>Marine Drugs</i> , 2017, 15, 388.	2.2	270
2	In vitro fermentation of <i>Gracilaria lemaneiformis</i> sulfated polysaccharides and its agaro-oligosaccharides by human fecal inocula and its impact on microbiota. <i>Carbohydrate Polymers</i> , 2020, 234, 115894.	5.1	163
3	Ultrasonic-microwave assisted extraction, characterization and biological activity of pectin from jackfruit peel. <i>LWT - Food Science and Technology</i> , 2018, 90, 577-582.	2.5	156
4	Current trends in marine algae polysaccharides: The digestive tract, microbial catabolism, and prebiotic potential. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 344-354.	3.6	144
5	Oligosaccharides Derived from Red Seaweed: Production, Properties, and Potential Health and Cosmetic Applications. <i>Molecules</i> , 2018, 23, 2451.	1.7	116
6	A rapid and accurate method for the quantitative estimation of natural polysaccharides and their fractions using high performance size exclusion chromatography coupled with multi-angle laser light scattering and refractive index detector. <i>Journal of Chromatography A</i> , 2015, 1400, 98-106.	1.8	106
7	Microbial catabolism of <i>Porphyra haitanensis</i> polysaccharides by human gut microbiota. <i>Food Chemistry</i> , 2019, 289, 177-186.	4.2	98
8	Chain conformation and immunomodulatory activity of a hyperbranched polysaccharide from <i>Cordyceps sinensis</i> . <i>Carbohydrate Polymers</i> , 2014, 110, 405-414.	5.1	94
9	Carboxymethyl $\beta$ -cyclodextrin grafted carboxymethyl chitosan hydrogel-based microparticles for oral insulin delivery. <i>Carbohydrate Polymers</i> , 2020, 246, 116617.	5.1	91
10	Chromatography in characterization of polysaccharides from medicinal plants and fungi. <i>Journal of Separation Science</i> , 2013, 36, 1-19.	1.3	85
11	Physicochemical characterization and antioxidant activity of sulphated polysaccharides derived from <i>Porphyra haitanensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 145, 1155-1161.	3.6	80
12	Effects of Polysaccharides from Different Species of <i>Dendrobium</i> (Shihu) on Macrophage Function. <i>Molecules</i> , 2013, 18, 5779-5791.	1.7	75
13	Preparation and evaluation of <i>Bletilla striata</i> polysaccharide/carboxymethyl chitosan/Carbomer 940 hydrogel for wound healing. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 729-737.	3.6	73
14	Qualitation and quantification of specific polysaccharides from <i>Panax</i> species using GC-MS, saccharide mapping and HPSEC-RID-MALLS. <i>Carbohydrate Polymers</i> , 2016, 153, 47-54.	5.1	69
15	Ultrasonic/microwave-assisted extraction, simulated digestion, and fermentation in vitro by human intestinal flora of polysaccharides from <i>Porphyra haitanensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 152, 748-756.	3.6	65
16	Activation of mouse macrophages and dendritic cells induced by polysaccharides from a novel <i>Cordyceps sinensis</i> fungus UM01. <i>Journal of Functional Foods</i> , 2014, 9, 242-253.	1.6	64
17	Bioactive polysaccharides from red seaweed as potent food supplements: a systematic review of their extraction, purification, and biological activities. <i>Carbohydrate Polymers</i> , 2022, 275, 118696.	5.1	62
18	Simultaneous determination of molecular weights and contents of water-soluble polysaccharides and their fractions from <i>Lycium barbarum</i> collected in China. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 210-218.	1.4	60

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19	Characterization and discrimination of polysaccharides from different species of Cordyceps using saccharide mapping based on PACE and HPTLC. Carbohydrate Polymers, 2014, 103, 100-109.	5.1	58
20	Unravelling property of polysaccharides from Sargassum sp. as an anti-wrinkle and skin whitening property. International Journal of Biological Macromolecules, 2019, 140, 216-224.	3.6	52
21	Quality evaluation of lentinan injection produced in China. Journal of Pharmaceutical and Biomedical Analysis, 2013, 78-79, 176-182.	1.4	51
22	Polysaccharides from Gracilaria lemaneiformis promote the HaCaT keratinocytes wound healing by polarised and directional cell migration. Carbohydrate Polymers, 2020, 241, 116310.	5.1	51
23	Qualitative and quantitative analysis of specific polysaccharides in Dendrobium huoshanense by using saccharide mapping and chromatographic methods. Journal of Pharmaceutical and Biomedical Analysis, 2016, 129, 163-171.	1.4	50
24	Structure and protective effect on UVB-induced keratinocyte damage of fructan from white garlic. Carbohydrate Polymers, 2013, 92, 200-205.	5.1	48
25	Characterization and comparison of polysaccharides from Lycium barbarum in China using saccharide mapping based on PACE and HPTLC. Carbohydrate Polymers, 2015, 134, 12-19.	5.1	46
26	Characterization of polysaccharides from different species of brown seaweed using saccharide mapping and chromatographic analysis. BMC Chemistry, 2021, 15, 1.	1.6	45
27	Effect of sodium alginate-agar coating containing ginger essential oil on the shelf life and quality of beef. Food Control, 2021, 130, 108216.	2.8	44
28	Quantification of Neoagaro-Oligosaccharide Production through Enzymatic Hydrolysis and Its Anti-Oxidant Activities. Molecules, 2018, 23, 1354.	1.7	43
29	Extraction, purification, and characterization of polysaccharides from marine algae Gracilaria lemaneiformis with anti-tumor activity. Process Biochemistry, 2018, 73, 197-203.	1.8	43
30	Structural elucidation, chain conformation and immuno-modulatory activity of glucogalactomannan from cultured Cordyceps sinensis fungus UM01. Journal of Functional Foods, 2016, 25, 174-185.	1.6	40
31	Pumpkin polysaccharides: Purification, characterization and hypoglycemic potential. International Journal of Biological Macromolecules, 2019, 139, 842-849.	3.6	38
32	Physicochemical characterization of Gracilaria chouae sulfated polysaccharides and their antioxidant potential. International Journal of Biological Macromolecules, 2019, 134, 255-261.	3.6	38
33	Physicochemical properties and potential beneficial effects of porphyran from Porphyra haitanensis on intestinal epithelial cells. Carbohydrate Polymers, 2020, 246, 116626.	5.1	33
34	Isolation and Characterization of Polysaccharides from Oysters (Crassostrea gigas) with Anti-Tumor Activities Using an Aqueous Two-Phase System. Marine Drugs, 2017, 15, 338.	2.2	32
35	Optimization of an aqueous two-phase extraction method for the selective separation of sulfated polysaccharides from a crude natural mixture. Separation and Purification Technology, 2018, 202, 290-298.	3.9	32
36	Catabolism of Saccharina japonica polysaccharides and oligosaccharides by human fecal microbiota. LWT - Food Science and Technology, 2020, 130, 109635.	2.5	31

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37	Preparation of inulin-type fructooligosaccharides using fast protein liquid chromatography coupled with refractive index detection. <i>Journal of Chromatography A</i> , 2013, 1308, 52-57.	1.8	29
38	Fermentation optimization for the production of bioactive polysaccharides from <i>Cordyceps sinensis</i> fungus UM01. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 180-185.	3.6	29
39	Decoding glycome of <i>Astragalus membranaceus</i> based on pressurized liquid extraction, microwave-assisted hydrolysis and chromatographic analysis. <i>Journal of Chromatography A</i> , 2015, 1409, 19-29.	1.8	28
40	ATPS: "Aqueous two-phase system" as the "answer to protein separation" for protein-processing food industry. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 3165-3178.	5.4	28
41	Mycelia extracts of fungal strains isolated from <i>Cordyceps sinensis</i> differently enhance the function of RAW 264.7 macrophages. <i>Journal of Ethnopharmacology</i> , 2013, 148, 818-825.	2.0	26
42	Recent advances in marine algae oligosaccharides: structure, analysis, and potential prebiotic activities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7703-7717.	5.4	26
43	Modification and comparison of three <i>Gracilaria</i> spp. agarose with methylation for promotion of its gelling properties. <i>Chemistry Central Journal</i> , 2017, 11, 104.	2.6	24
44	Immunostimulatory Effects of Polysaccharides from <i>Spirulina platensis</i> In Vivo and Vitro and Their Activation Mechanism on RAW246.7 Macrophages. <i>Marine Drugs</i> , 2020, 18, 538.	2.2	24
45	Preparation and purification of raffinose family oligosaccharides from <i>Rehmannia glutinosa</i> Libosch. by fast protein liquid chromatography coupled with refractive index detection. <i>Separation and Purification Technology</i> , 2014, 138, 98-103.	3.9	22
46	Preparation of xylooligosaccharides from xylan by controlled acid hydrolysis and fast protein liquid chromatography coupled with refractive index detection. <i>Separation and Purification Technology</i> , 2016, 171, 151-156.	3.9	22
47	Characterization of seaweed polysaccharide-based bilayer films containing essential oils with antibacterial activity. <i>LWT - Food Science and Technology</i> , 2021, 150, 111961.	2.5	22
48	Microwave-Assisted Extraction, Chemical Structures, and Chain Conformation of Polysaccharides from a Novel <i>Cordyceps Sinensis</i> Fungus UM01. <i>Journal of Food Science</i> , 2016, 81, C2167-74.	1.5	21
49	Effect of Salt Type and Alkyl Chain Length on the Binodal Curve of an Aqueous Two-Phase System Composed of Imidazolium Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3297-3304.	1.0	18
50	Anti-cancer effects of <i>Porphyra haitanensis</i> polysaccharides on human colon cancer cells via cell cycle arrest and apoptosis without causing adverse effects in vitro. <i>3 Biotech</i> , 2020, 10, 386.	1.1	18
51	Long-term treatment of polysaccharides-based hydrogel microparticles as oral insulin delivery in streptozotocin-induced type 2 diabetic mice. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110941.	2.5	18
52	Quantification of 3,6-anhydro-galactose in red seaweed polysaccharides and their potential skin-whitening activity. <i>3 Biotech</i> , 2020, 10, 189.	1.1	17
53	<i>Gracilaria lemaneiformis</i> polysaccharides alleviate colitis by modulating the gut microbiota and intestinal barrier in mice. <i>Food Chemistry: X</i> , 2022, 13, 100197.	1.8	17
54	Comparison and characterization of the glycome of <i>Panax</i> species by high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 449-453.	0.6	14

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55	Comparison and Characterization of Compounds with Antioxidant Activity in <i>Lycium barbarum</i> Using High-Performance Thin Layer Chromatography Coupled with DPPH Bioautography and Tandem Mass Spectrometry. <i>Journal of Food Science</i> , 2016, 81, C1378-84.	1.5	14
56	Advances in Separation and Purification of Bioactive Polysaccharides through High-speed Counter-Current Chromatography. <i>Journal of Chromatographic Science</i> , 2020, 58, 992-1000.	0.7	13
57	Preparation and Structure Characterization of High-Value <i>Laminaria digitata</i> Oligosaccharides. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	13
58	A simple analysis of fructooligosaccharides in two medicinal plants by high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 245-250.	0.6	11
59	Restitution of epithelial cells during intestinal mucosal wound healing: The effect of a polysaccharide from the sclerotium of <i>Lignosus rhinocerotis</i> (Cooke) Ryvardeen. <i>Journal of Ethnopharmacology</i> , 2021, 274, 114024.	2.0	11
60	LINC00467, Driven by Copy Number Amplification and DNA Demethylation, Is Associated with Oxidative Lipid Metabolism and Immune Infiltration in Breast Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-27.	1.9	11
61	Structural characteristics of <i>Gracilaria lemaneiformis</i> oligosaccharides and their alleviation of dextran sulphate sodium-induced colitis by modulating the gut microbiota and intestinal metabolites in mice. <i>Food and Function</i> , 2021, 12, 8635-8646.	2.1	10
62	Antioxidant Potential of Physicochemically Characterized <i>Gracilaria blodgettii</i> Sulfated Polysaccharides. <i>Polymers</i> , 2021, 13, 442.	2.0	9
63	Single-step purified R-phycoerythrin transmits cellular imaging functionalities in vitro. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 563-570.	3.6	9
64	ENYMOLOGIC CHARACTERIZATION OF GARLIC FRUCTAN EXOHYDROLASE. <i>Journal of Food Biochemistry</i> , 2012, 36, 248-253.	1.2	8
65	Effects of laminarin zwitterionic carboxylate and sulfonate on the intestinal barrier function and gut microbiota. <i>Carbohydrate Polymers</i> , 2022, 278, 118898.	5.1	8
66	Comparison of Physicochemical Characteristics and Macrophage Immunostimulatory Activities of Polysaccharides from <i>Chlamys farreri</i> . <i>Marine Drugs</i> , 2020, 18, 429.	2.2	4