

Shao-Ping Nie

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3550632/shao-ping-nie-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

367 papers	12,416 citations	58 h-index	87 g-index
385 ext. papers	15,881 ext. citations	6.8 avg, IF	6.98 L-index

#	Paper	IF	Citations
367	Purification, composition analysis and antioxidant activity of a polysaccharide from the fruiting bodies of <i>Ganoderma atrum</i> . <i>Food Chemistry</i> , 2008 , 107, 231-241	8.5	448
366	Reviews on Mechanisms of In Vitro Antioxidant Activity of Polysaccharides. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5692852	6.7	241
365	Advances on Bioactive Polysaccharides from Medicinal Plants. <i>Critical Reviews in Food Science and Nutrition</i> , 2016 , 56 Suppl 1, S60-84	11.5	237
364	Isolation, chemical composition and antioxidant activities of a water-soluble polysaccharide from <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Food Chemistry</i> , 2010 , 119, 1626-1632	8.5	225
363	The functional and nutritional aspects of hydrocolloids in foods. <i>Food Hydrocolloids</i> , 2016 , 53, 46-61	10.6	205
362	Diverse food-based applications of nuclear magnetic resonance (NMR) technology. <i>Food Research International</i> , 2013 , 51, 729-747	7	199
361	Purification, physicochemical characterisation and anticancer activity of a polysaccharide from <i>Cyclocarya paliurus</i> leaves. <i>Food Chemistry</i> , 2013 , 136, 1453-60	8.5	184
360	Sulfated modification, characterization and antioxidant activities of polysaccharide from <i>Cyclocarya paliurus</i> . <i>Food Hydrocolloids</i> , 2016 , 53, 7-15	10.6	180
359	A review on the isolation and structure of tea polysaccharides and their bioactivities. <i>Food Hydrocolloids</i> , 2011 , 25, 144-149	10.6	173
358	Ultrasonic-assisted extraction, antimicrobial and antioxidant activities of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja polysaccharides. <i>Carbohydrate Polymers</i> , 2012 , 89, 177-84	10.3	169
357	Quality control and original discrimination of <i>Ganoderma lucidum</i> based on high-performance liquid chromatographic fingerprints and combined chemometrics methods. <i>Analytica Chimica Acta</i> , 2008 , 623, 146-56	6.6	141
356	Acetylation and carboxymethylation of the polysaccharide from <i>Ganoderma atrum</i> and their antioxidant and immunomodulating activities. <i>Food Chemistry</i> , 2014 , 156, 279-88	8.5	121
355	Extraction, chemical composition and antioxidant activity of flavonoids from <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja leaves. <i>Food Chemistry</i> , 2015 , 186, 97-105	8.5	119
354	Chemical constituents and health effects of sweet potato. <i>Food Research International</i> , 2016 , 89, 90-116	7	116
353	Sulfated modification of polysaccharides: Synthesis, characterization and bioactivities. <i>Trends in Food Science and Technology</i> , 2018 , 74, 147-157	15.3	110
352	A review of isolation process, structural characteristics, and bioactivities of water-soluble polysaccharides from <i>Dendrobium</i> plants. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2013 , 1, 131-147	3.4	109
351	Polysaccharide from seeds of <i>Plantago asiatica</i> L. increases short-chain fatty acid production and fecal moisture along with lowering pH in mouse colon. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11525-32	5.7	104

350	Artificial simulated saliva, gastric and intestinal digestion of polysaccharide from the seeds of <i>Plantago asiatica</i> L. <i>Carbohydrate Polymers</i> , 2013 , 92, 1143-50	10.3	102
349	Determination of multi-pesticide residues in green tea with a modified QuEChERS protocol coupled to HPLC-MS/MS. <i>Food Chemistry</i> , 2019 , 275, 255-264	8.5	102
348	Elucidation of the structure of a bioactive hydrophilic polysaccharide from <i>Cordyceps sinensis</i> by methylation analysis and NMR spectroscopy. <i>Carbohydrate Polymers</i> , 2011 , 84, 894-899	10.3	93
347	Sulfated modification of the polysaccharides from <i>Ganoderma atrum</i> and their antioxidant and immunomodulating activities. <i>Food Chemistry</i> , 2015 , 186, 231-8	8.5	91
346	Chemoprotective effects of <i>Ganoderma atrum</i> polysaccharide in cyclophosphamide-induced mice. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 395-401	7.9	89
345	Structural characterisation of a novel bioactive polysaccharide from <i>Ganoderma atrum</i> . <i>Carbohydrate Polymers</i> , 2012 , 88, 1047-1054	10.3	88
344	Properties of : A review. <i>Journal of Functional Foods</i> , 2013 , 5, 550-569	5.1	86
343	Study on <i>Dendrobium officinale</i> O-acetyl-glucomannan (Dendronan [®]): Part I. Extraction, purification, and partial structural characterization. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2014 , 4, 74-83	3.4	84
342	Discrimination of <i>Ganoderma lucidum</i> according to geographical origin with near infrared diffuse reflectance spectroscopy and pattern recognition techniques. <i>Analytica Chimica Acta</i> , 2008 , 618, 121-30	6.6	84
341	Polysaccharide from <i>Plantago asiatica</i> L. attenuates hyperglycemia, hyperlipidemia and affects colon microbiota in type 2 diabetic rats. <i>Food Hydrocolloids</i> , 2019 , 86, 34-42	10.6	84
340	Structure Characterization and Immunomodulating Effects of Polysaccharides Isolated from <i>Dendrobium officinale</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 881-9	5.7	83
339	A further amendment to the classical core structure of gum arabic (<i>Acacia senegal</i>). <i>Food Hydrocolloids</i> , 2013 , 31, 42-48	10.6	83
338	Carrot juice fermented with <i>Lactobacillus plantarum</i> NCU116 ameliorates type 2 diabetes in rats. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 11884-91	5.7	82
337	Structural characterization of a highly branched polysaccharide from the seeds of <i>Plantago asiatica</i> L.. <i>Carbohydrate Polymers</i> , 2012 , 87, 2416-2424	10.3	82
336	Current development of polysaccharides from <i>Ganoderma</i> : Isolation, structure and bioactivities. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2013 , 1, 10-20	3.4	81
335	Study on <i>Dendrobium officinale</i> O-acetyl-glucomannan (Dendronan [®]): part II. Fine structures of O-acetylated residues. <i>Carbohydrate Polymers</i> , 2015 , 117, 422-433	10.3	80
334	Chemical characteristics and antioxidant activities of polysaccharide purified from the seeds of <i>Plantago asiatica</i> L. <i>Journal of the Science of Food and Agriculture</i> , 2010 , 90, 210-7	4.3	77
333	A Polysaccharide From <i>Ganoderma atrum</i> Improves Liver Function in Type 2 Diabetic Rats via Antioxidant Action and Short-Chain Fatty Acids Excretion. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1938-44	5.7	76

- 332 Analysis of monosaccharide composition of *Cyclocarya paliurus* polysaccharide with anion exchange chromatography. *Carbohydrate Polymers*, **2013**, 98, 976-81 10.3 74
- 331 A newly identified polysaccharide from *Ganoderma atrum* attenuates hyperglycemia and hyperlipidemia. *International Journal of Biological Macromolecules*, **2013**, 57, 142-50 7.9 72
- 330 Biocompatible and biodegradable nanoparticles for enhancement of anti-cancer activities of phytochemicals. *Chinese Journal of Natural Medicines*, **2015**, 13, 641-52 2.8 71
- 329 Sulfated polysaccharides from *Cyclocarya paliurus* reduce H₂O₂-induced oxidative stress in RAW264.7 cells. *International Journal of Biological Macromolecules*, **2015**, 80, 410-7 7.9 70
- 328 The analysis of trans fatty acid profiles in deep frying palm oil and chicken fillets with an improved gas chromatography method. *Food Control*, **2014**, 44, 191-197 6.2 69
- 327 Macrophage immunomodulatory activity of a purified polysaccharide isolated from *Ganoderma atrum*. *Phytotherapy Research*, **2013**, 27, 186-91 6.7 69
- 326 In vitro fermentation of polysaccharide from the seeds of *Plantago asiatica* L. by human fecal microbiota. *Food Hydrocolloids*, **2013**, 33, 384-392 10.6 68
- 325 In vitro and in vivo gastrointestinal digestion and fermentation of the polysaccharide from *Ganoderma atrum*. *Food Hydrocolloids*, **2017**, 63, 646-655 10.6 67
- 324 Preparation, characterization and antioxidant activities of acetylated polysaccharides from *Cyclocarya paliurus* leaves. *Carbohydrate Polymers*, **2015**, 133, 596-604 10.3 66
- 323 Carboxymethylation of polysaccharide from *Cyclocarya paliurus* and their characterization and antioxidant properties evaluation. *Carbohydrate Polymers*, **2016**, 136, 988-94 10.3 66
- 322 Quantification of total polysaccharides and triterpenoids in *Ganoderma lucidum* and *Ganoderma atrum* by near infrared spectroscopy and chemometrics. *Food Chemistry*, **2012**, 135, 268-275 8.5 66
- 321 Dietary compounds and traditional Chinese medicine ameliorate type 2 diabetes by modulating gut microbiota. *Critical Reviews in Food Science and Nutrition*, **2019**, 59, 848-863 11.5 66
- 320 Isolation and partial characterization of a neutral polysaccharide from *Mosla chinensis* Maxim. cv. Jiangxiangru and its antioxidant and immunomodulatory activities. *Journal of Functional Foods*, **2014**, 6, 410-418 5.1 65
- 319 Immunomodulatory effect of *Ganoderma atrum* polysaccharide on CT26 tumor-bearing mice. *Food Chemistry*, **2013**, 136, 1213-9 8.5 65
- 318 Enhancement of cyclophosphamide-induced antitumor effect by a novel polysaccharide from *Ganoderma atrum* in sarcoma 180-bearing mice. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 3707-16 5.7 63
- 317 Development of a chromatographic fingerprint for the chloroform extracts of *Ganoderma lucidum* by HPLC and LC-MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2008**, 47, 469-77 3.5 63
- 316 *Lactobacillus plantarum* NCU116 improves liver function, oxidative stress and lipid metabolism in rats with high fat diet induced non-alcoholic fatty liver disease. *Food and Function*, **2014**, 5, 3216-23 6.1 62
- 315 Optimisation of microwave-assisted extraction of polysaccharides from *Cyclocarya paliurus* (Batal.) Iljinskaja using response surface methodology. *Journal of the Science of Food and Agriculture*, **2010**, 90, 1353-60 4.3 62

314	Cultured Cordyceps sinensis polysaccharides modulate intestinal mucosal immunity and gut microbiota in cyclophosphamide-treated mice. <i>Carbohydrate Polymers</i> , 2020 , 235, 115957	10.3	61
313	Toll-like receptor 4-mediated ROS signaling pathway involved in Ganoderma atrum polysaccharide-induced tumor necrosis factor- β secretion during macrophage activation. <i>Food and Chemical Toxicology</i> , 2014 , 66, 14-22	4.7	61
312	Polysaccharide from fermented Momordica charantia L. with Lactobacillus plantarum NCU116 ameliorates type 2 diabetes in rats. <i>Carbohydrate Polymers</i> , 2018 , 201, 624-633	10.3	59
311	A novel polysaccharide from Ganoderma atrum exerts antitumor activity by activating mitochondria-mediated apoptotic pathway and boosting the immune system. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 1581-9	5.7	59
310	Ganoderma atrum polysaccharide induces anti-tumor activity via the mitochondrial apoptotic pathway related to activation of host immune response. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 860-47	4.7	59
309	Gastroprotective activity of polysaccharide from Hericium erinaceus against ethanol-induced gastric mucosal lesion and pylorus ligation-induced gastric ulcer, and its antioxidant activities. <i>Carbohydrate Polymers</i> , 2018 , 186, 100-109	10.3	56
308	Bioactive polysaccharides from Cordyceps sinensis: Isolation, structure features and bioactivities. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2013 , 1, 38-52	3.4	56
307	Review on cell models to evaluate the potential antioxidant activity of polysaccharides. <i>Food and Function</i> , 2017 , 8, 915-926	6.1	55
306	Structural characterization and immunostimulatory activity of a glucan from natural Cordyceps sinensis. <i>Food Hydrocolloids</i> , 2017 , 67, 139-147	10.6	55
305	Polysaccharide from leaf skin of Aloe barbadensis Miller: Part I. Extraction, fractionation, physicochemical properties and structural characterization. <i>Food Hydrocolloids</i> , 2017 , 73, 176-183	10.6	55
304	Physicochemical properties and in vitro antioxidant activities of polysaccharide from Artocarpus heterophyllus Lam. pulp. <i>Carbohydrate Polymers</i> , 2017 , 155, 354-361	10.3	54
303	In vitro effects of a novel polysaccharide from the seeds of Plantago asiatica L. on intestinal function. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 264-9	7.9	53
302	Study on the purification and chemical compositions of tea glycoprotein. <i>Carbohydrate Polymers</i> , 2008 , 71, 626-633	10.3	53
301	Effects of polysaccharides on glycometabolism based on gut microbiota alteration. <i>Trends in Food Science and Technology</i> , 2019 , 92, 65-70	15.3	52
300	The structure of mushroom polysaccharides and their beneficial role in health. <i>Food and Function</i> , 2015 , 6, 3205-17	6.1	52
299	Exopolysaccharides from Lactobacillus plantarum NCU116 Regulate Intestinal Barrier Function via STAT3 Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 9719-9727	5.7	52
298	Effect of pH, temperature and heating time on the formation of furan in sugar-glycine model systems. <i>Food Science and Human Wellness</i> , 2013 , 2, 87-92	8.3	52
297	Ganoderma atrum polysaccharide ameliorates ROS generation and apoptosis in spleen and thymus of immunosuppressed mice. <i>Food and Chemical Toxicology</i> , 2017 , 99, 199-208	4.7	49

296	Sulfated modification, characterization and property of a water-insoluble polysaccharide from <i>Ganoderma atrum</i> . <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 248-55	7.9	49
295	Structural characterization of a heterogalactan purified from fruiting bodies of <i>Ganoderma atrum</i> . <i>Food Hydrocolloids</i> , 2014 , 36, 339-347	10.6	49
294	High pressure homogenization increases antioxidant capacity and short-chain fatty acid yield of polysaccharide from seeds of <i>Plantago asiatica</i> L. <i>Food Chemistry</i> , 2013 , 138, 2338-45	8.5	49
293	The core carbohydrate structure of <i>Acacia seyal</i> var. <i>seyal</i> (Gum arabic). <i>Food Hydrocolloids</i> , 2013 , 32, 221-227	10.6	49
292	(-)-Epigallocatechin-3-gallate induces apoptosis of human hepatoma cells by mitochondrial pathways related to reactive oxygen species. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 6685-91	5.7	49
291	Removal of bound polyphenols and its effect on antioxidant and prebiotics properties of carrot dietary fiber. <i>Food Hydrocolloids</i> , 2019 , 93, 284-292	10.6	48
290	Polysaccharide from <i>Ganoderma atrum</i> evokes antitumor activity via Toll-like receptor 4-mediated NF- κ B and mitogen-activated protein kinase signaling pathways. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 3676-82	5.7	48
289	Structural characteristics and functional properties of soluble dietary fiber from defatted rice bran obtained through <i>Trichoderma viride</i> fermentation. <i>Food Hydrocolloids</i> , 2019 , 94, 468-474	10.6	47
288	Molecular mechanism underlying chemoprotective effects of <i>Ganoderma atrum</i> polysaccharide in cyclophosphamide-induced immunosuppressed mice. <i>Journal of Functional Foods</i> , 2015 , 15, 52-60	5.1	47
287	Cholesterol-lowering effect of <i>Lactobacillus plantarum</i> NCU116 in a hyperlipidaemic rat model. <i>Journal of Functional Foods</i> , 2014 , 8, 340-347	5.1	47
286	Antidiabetic Mechanism of Dietary Polysaccharides Based on Their Gastrointestinal Functions. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4781-4786	5.7	46
285	A comparison of chemical composition, bioactive components and antioxidant activity of natural and cultured <i>Cordyceps sinensis</i> . <i>LWT - Food Science and Technology</i> , 2015 , 63, 2-7	5.4	46
284	Analysis of the monosaccharide composition of purified polysaccharides in <i>Ganoderma atrum</i> by capillary gas chromatography. <i>Phytochemical Analysis</i> , 2009 , 20, 503-10	3.4	45
283	Signaling pathway involved in the immunomodulatory effect of <i>Ganoderma atrum</i> polysaccharide in spleen lymphocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 2734-40	5.7	44
282	Study on <i>Dendrobium officinale</i> O-acetyl-glucomannan (Dendronan β): Part VI. Protective effects against oxidative stress in immunosuppressed mice. <i>Food Research International</i> , 2015 , 72, 168-173	7	44
281	Comparative study on the chemical composition, anthocyanins, tocopherols and carotenoids of selected legumes. <i>Food Chemistry</i> , 2018 , 260, 317-326	8.5	44
280	Structure identification of β -glucans from <i>Dictyophora echinovolvata</i> by methylation and 1D/2D NMR spectroscopy. <i>Food Chemistry</i> , 2019 , 271, 338-344	8.5	44
279	Polysaccharide from seeds of <i>Plantago asiatica</i> L. affects lipid metabolism and colon microbiota of mouse. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 229-34	5.7	44

278	Effect of phenylethanoid glycosides and polysaccharides from the seed of <i>Plantago asiatica</i> L. on the maturation of murine bone marrow-derived dendritic cells. <i>European Journal of Pharmacology</i> , 2009 , 620, 105-11	5.3	44
277	Study on <i>Dendrobium officinale</i> O-acetyl-glucomannan (Dendronan): Part IV. Immunomodulatory activity in vivo. <i>Journal of Functional Foods</i> , 2015 , 15, 525-532	5.1	43
276	<i>Ganoderma atrum</i> polysaccharide improves aortic relaxation in diabetic rats via PI3K/Akt pathway. <i>Carbohydrate Polymers</i> , 2014 , 103, 520-7	10.3	43
275	Methylation and 2D NMR analysis of arabinoxylan from the seeds of <i>Plantago asiatica</i> L.. <i>Carbohydrate Polymers</i> , 2012 , 88, 1395-1401	10.3	43
274	Mannose Receptor Mediates the Immune Response to <i>Ganoderma atrum</i> Polysaccharides in Macrophages. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 348-357	5.7	42
273	Hypoglycemic and Hypolipidemic Effects of Glucomannan Extracted from Konjac on Type 2 Diabetic Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 5278-5288	5.7	42
272	A major green tea component, (-)-epigallocatechin-3-gallate, ameliorates doxorubicin-mediated cardiotoxicity in cardiomyocytes of neonatal rats. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8977-82	5.7	42
271	A review of NMR analysis in polysaccharide structure and conformation: Progress, challenge and perspective. <i>Food Research International</i> , 2021 , 143, 110290	7	42
270	Structure characterization of a polysaccharide extracted from noni (<i>Morinda citrifolia</i> L.) and its protective effect against DSS-induced bowel disease in mice. <i>Food Hydrocolloids</i> , 2019 , 90, 189-197	10.6	42
269	Immunomodulatory activity of the seeds of <i>Plantago asiatica</i> L. <i>Journal of Ethnopharmacology</i> , 2009 , 124, 493-8	5	41
268	Separation of water-soluble polysaccharides from <i>Cyclocarya paliurus</i> by ultrafiltration process. <i>Carbohydrate Polymers</i> , 2014 , 101, 479-83	10.3	40
267	Mechanism of interactions between calcium and viscous polysaccharide from the seeds of <i>Plantago asiatica</i> L. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 7981-7	5.7	40
266	Immune Activation of RAW264.7 Macrophages by Low Molecular Weight Fucoidan Extracted from New Zealand <i>Undaria pinnatifida</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10721-10728	5.7	40
265	Effect of <i>Lactobacillus plantarum</i> NCU116 on loperamide-induced constipation in mice. <i>International Journal of Food Sciences and Nutrition</i> , 2015 , 66, 533-8	3.7	39
264	Fractionation, physicochemical property and immunological activity of polysaccharides from <i>Cassia obtusifolia</i> . <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 946-53	7.9	39
263	A novel polysaccharide from the seeds of <i>Plantago asiatica</i> L. induces dendritic cells maturation through toll-like receptor 4. <i>International Immunopharmacology</i> , 2014 , 18, 236-43	5.8	39
262	Toll-like receptor 4 mediates the antitumor host response induced by <i>Ganoderma atrum</i> polysaccharide. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 517-25	5.7	39
261	Polysaccharide from <i>Ganoderma atrum</i> induces tumor necrosis factor- β secretion via phosphoinositide 3-kinase/Akt, mitogen-activated protein kinase and nuclear factor- κ B signaling pathways in RAW264.7 cells. <i>International Immunopharmacology</i> , 2012 , 14, 362-8	5.8	39

260	Determination of speciation of elements related to blood sugar in bioactive extracts from Cyclocarya paliurus leaves by FIA-ICP-MS. <i>European Food Research and Technology</i> , 2006 , 223, 202-209	3.4	39
259	Microwave assisted extraction with three modifications on structural and functional properties of soluble dietary fibers from grapefruit peel. <i>Food Hydrocolloids</i> , 2020 , 101, 105549	10.6	39
258	Interaction between gut immunity and polysaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 2943-2955	11.5	38
257	Protective effect of three glucomannans from different plants against DSS induced colitis in female BALB/c mice. <i>Food and Function</i> , 2019 , 10, 1928-1939	6.1	38
256	Effect of calcium on solution and conformational characteristics of polysaccharide from seeds of <i>Plantago asiatica</i> L. <i>Carbohydrate Polymers</i> , 2015 , 124, 331-6	10.3	38
255	Tea Polysaccharides Inhibit Colitis-Associated Colorectal Cancer via Interleukin-6/STAT3 Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4384-4393	5.7	38
254	Isolation, purification and physicochemical properties of polysaccharide from fruiting body of <i>Hericium erinaceus</i> and its effect on colonic health of mice. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1310-1319	7.9	38
253	<i>Ganoderma atrum</i> polysaccharide improves age-related oxidative stress and immune impairment in mice. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 1413-8	5.7	38
252	Immunomodulatory Activity of <i>Ganoderma atrum</i> Polysaccharide on Purified T Lymphocytes through Ca/Ca _v and Mitogen-Activated Protein Kinase Pathway Based on RNA Sequencing. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5306-5315	5.7	37
251	Total flavonoids content, antioxidant and antimicrobial activities of extracts from <i>Mosla chinensis</i> Maxim. cv. Jiangxiangru. <i>LWT - Food Science and Technology</i> , 2015 , 64, 1022-1027	5.4	37
250	Exogenous interleukin 37 ameliorates atherosclerosis via inducing the Treg response in ApoE-deficient mice. <i>Scientific Reports</i> , 2017 , 7, 3310	4.9	36
249	Exopolysaccharides from <i>Lactobacillus plantarum</i> NCU116 induce c-Jun dependent Fas/FasL-mediated apoptosis via TLR2 in mouse intestinal epithelial cancer cells. <i>Scientific Reports</i> , 2017 , 7, 14247	4.9	36
248	Decolorization of polysaccharides solution from <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja using ultrasound/H ₂ O ₂ process. <i>Carbohydrate Polymers</i> , 2011 , 84, 255-261	10.3	36
247	Inhibition of dextran sodium sulfate-induced colitis in mice by baker's yeast polysaccharides. <i>Carbohydrate Polymers</i> , 2019 , 207, 371-381	10.3	36
246	Ultrasonic irradiation induces degradation and improves prebiotic properties of polysaccharide from seeds of <i>Plantago asiatica</i> L. during in vitro fermentation by human fecal microbiota. <i>Food Hydrocolloids</i> , 2018 , 76, 60-66	10.6	35
245	In vitro fermentation of the polysaccharides from <i>Cyclocarya paliurus</i> leaves by human fecal inoculums. <i>Carbohydrate Polymers</i> , 2014 , 112, 563-8	10.3	35
244	Extraction of saponin from <i>Camellia oleifera</i> cake and evaluation of its antioxidant activity. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 1676-1687	3.8	35
243	Application of atomic force microscopy in microscopic analysis of polysaccharide. <i>Trends in Food Science and Technology</i> , 2019 , 87, 35-46	15.3	35

242	Conformational properties of a bioactive polysaccharide from <i>Ganoderma atrum</i> by light scattering and molecular modeling. <i>Food Hydrocolloids</i> , 2018 , 84, 16-25	10.6	35
241	Characterization of a bioactive polysaccharide from <i>Ganoderma atrum</i> : Re-elucidation of the fine structure. <i>Carbohydrate Polymers</i> , 2017 , 158, 58-67	10.3	34
240	Protective effect of flavonoids from <i>Cyclocarya paliurus</i> leaves against carbon tetrachloride-induced acute liver injury in mice. <i>Food and Chemical Toxicology</i> , 2018 , 119, 392-399	4.7	34
239	An effective method for deproteinization of bioactive polysaccharides extracted from lingzhi (<i>Ganoderma atrum</i>). <i>Food Science and Biotechnology</i> , 2012 , 21, 191-198	3	34
238	<i>Ganoderma atrum</i> Polysaccharide Ameliorates Hyperglycemia-Induced Endothelial Cell Death via a Mitochondria-ROS Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8182-91	5.7	33
237	Nutrients, phytochemicals and antioxidant activities of 26 kidney bean cultivars. <i>Food and Chemical Toxicology</i> , 2017 , 108, 467-477	4.7	33
236	Antimicrobial properties, antioxidant activity and cytotoxicity of ethanol-soluble acidic components from <i>Ganoderma atrum</i> . <i>Food and Chemical Toxicology</i> , 2012 , 50, 689-94	4.7	33
235	Structure and conformation characterization of galactomannan from seeds of <i>Cassia obtusifolia</i> . <i>Food Hydrocolloids</i> , 2018 , 76, 67-77	10.6	32
234	Effects of <i>Lactobacillus plantarum</i> NCU116 on Intestine Mucosal Immunity in Immunosuppressed Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10914-20	5.7	32
233	<i>Ganoderma atrum</i> polysaccharide attenuates oxidative stress induced by d-galactose in mouse brain. <i>Life Sciences</i> , 2011 , 88, 713-8	6.8	32
232	Hypoglycemic and Hypolipidemic Mechanism of Tea Polysaccharides on Type 2 Diabetic Rats via Gut Microbiota and Metabolism Alteration. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 10015-10028	5.7	32
231	Fractionation, physicochemical properties and structural features of non-arabinoxylan polysaccharide from the seeds of <i>Plantago asiatica</i> L.. <i>Food Hydrocolloids</i> , 2016 , 55, 128-135	10.6	31
230	Recent developments in polysaccharides: extraction, purification, structural characteristics and biological activities. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, S96-S115	11.5	31
229	Exposure assessment of 3-monochloropropane-1, 2-diol esters from edible oils and fats in China. <i>Food and Chemical Toxicology</i> , 2015 , 75, 8-13	4.7	30
228	Study on <i>Dendrobium officinale</i> O-acetyl-glucomannan (Dendronan [®]): Part III Immunomodulatory activity in vitro. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2015 , 5, 99-105	3.4	30
227	<i>Ganoderma atrum</i> polysaccharide protects cardiomyocytes against anoxia/reoxygenation-induced oxidative stress by mitochondrial pathway. <i>Journal of Cellular Biochemistry</i> , 2010 , 110, 191-200	4.7	30
226	Arabinoxylan Attenuates Type 2 Diabetes by Improvement of Carbohydrate, Lipid, and Amino Acid Metabolism. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800222	5.9	30
225	The Agr-Like Quorum Sensing System Is Required for Pathogenesis of Necrotic Enteritis Caused by <i>Clostridium perfringens</i> in Poultry. <i>Infection and Immunity</i> , 2017 , 85,	3.7	29

- 224 Consecutive and progressive purification of food-derived natural polysaccharide: Based on material, extraction process and crude polysaccharide. *Trends in Food Science and Technology*, **2020**, 99, 76-87 15.3 29
- 223 Formation and reduction of 3-monochloropropane-1,2-diol esters in peanut oil during physical refining. *Food Chemistry*, **2016**, 199, 605-11 8.5 29
- 222 Simultaneous analysis of 18 mineral elements in Cyclocarya paliurus polysaccharide by ICP-AES. *Carbohydrate Polymers*, **2013**, 94, 216-20 10.3 29
- 221 Antimicrobial activity of saponin-rich fraction from Camellia oleifera cake and its effect on cell viability of mouse macrophage RAW 264.7. *Journal of the Science of Food and Agriculture*, **2012**, 92, 2443-49 4.3 29
- 220 Comparison of hypoglycemic effects of polysaccharides from four legume species. *Food Hydrocolloids*, **2019**, 90, 299-304 10.6 29
- 219 Fucoidan Extracted from the New Zealand -Physicochemical Comparison against Five Other Fucoidans: Unique Low Molecular Weight Fraction Bioactivity in Breast Cancer Cell Lines. *Marine Drugs*, **2018**, 16, 6 29
- 218 Study on Dendrobium officinale O-Acetyl-glucomannan (Dendronan). 7. Improving Effects on Colonic Health of Mice. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 2485-91 5.7 28
- 217 Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice. *Food and Function*, **2016**, 7, 1584-92 6.1 28
- 216 Polysaccharide from natural Cordyceps sinensis ameliorated intestinal injury and enhanced antioxidant activity in immunosuppressed mice. *Food Hydrocolloids*, **2019**, 89, 661-667 10.6 28
- 215 Structural and conformational characterization of linear O-acetyl-glucomannan purified from gel of Aloe barbadensis Miller. *International Journal of Biological Macromolecules*, **2018**, 120, 2373-2380 7.9 28
- 214 Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats. *Food Research International*, **2019**, 121, 367-378 7 27
- 213 Cordyceps sinensis polysaccharide inhibits colon cancer cells growth by inducing apoptosis and autophagy flux blockage via mTOR signaling. *Carbohydrate Polymers*, **2020**, 237, 116113 10.3 27
- 212 Analysis of furan in heat-processed foods in China by automated headspace gas chromatography-mass spectrometry (HS-GC-MS). *Food Control*, **2013**, 30, 62-68 6.2 27
- 211 Effects of insoluble and soluble fibers isolated from barley on blood glucose, serum lipids, liver function and caecal short-chain fatty acids in type 2 diabetic and normal rats. *Food and Chemical Toxicology*, **2020**, 135, 110937 4.7 27
- 210 Antidiabetic effects of polysaccharide from azuki bean (Vigna angularis) in type 2 diabetic rats via insulin/PI3K/AKT signaling pathway. *Food Hydrocolloids*, **2020**, 101, 105456 10.6 27
- 209 In vitro evaluation of the antioxidant activities of carbohydrates. *Bioactive Carbohydrates and Dietary Fibre*, **2016**, 7, 19-27 3.4 27
- 208 Triple-Helix Conformation of a Polysaccharide Determined with Light Scattering, AFM, and Molecular Dynamics Simulation. *Macromolecules*, **2018**, 51, 10150-10159 5.5 27
- 207 Monosaccharide composition analysis of polysaccharides from natural sources: Hydrolysis condition and detection method development. *Food Hydrocolloids*, **2021**, 116, 106641 10.6 27

206	Comparison of structural features and antioxidant activity of polysaccharides from natural and cultured. <i>Food Science and Biotechnology</i> , 2017 , 26, 55-62	3	26
205	Protective effects of β -glucan isolated from highland barley on ethanol-induced gastric damage in rats and its benefits to mice gut conditions. <i>Food Research International</i> , 2019 , 122, 157-166	7	26
204	Recent trends and applications of polysaccharides for microencapsulation of probiotics. <i>Food Frontiers</i> , 2020 , 1, 45-59	4.2	26
203	<i>Lactobacillus plantarum</i> NCU116 Attenuates Cyclophosphamide-Induced Immunosuppression and Regulates Th17/Treg Cell Immune Responses in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1291-7	5.7	26
202	Microbial short-chain fatty acid production and extracellular enzymes activities during in vitro fermentation of polysaccharides from the seeds of <i>Plantago asiatica</i> L. treated with microwave irradiation. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 6092-101	5.7	26
201	Polysaccharides from fermented <i>Momordica charantia</i> ameliorate obesity in high-fat induced obese rats. <i>Food and Function</i> , 2019 , 10, 448-457	6.1	25
200	<i>Momordica charantia</i> juice with <i>Lactobacillus plantarum</i> fermentation: Chemical composition, antioxidant properties and aroma profile. <i>Food Bioscience</i> , 2019 , 29, 62-72	4.9	25
199	Purification of polysaccharide from <i>Lentinus edodes</i> water extract by membrane separation and its chemical composition and structure characterization. <i>Food Hydrocolloids</i> , 2020 , 105, 105851	10.6	25
198	Preparation of tea glycoprotein and its application as a calibration standard for the quantification and molecular weight determination of tea glycoprotein in different tea samples by high-performance gel-permeation chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 680-6	4.4	25
197	Preventive effects of pectin with various degrees of esterification on ulcerative colitis in mice. <i>Food and Function</i> , 2020 , 11, 2886-2897	6.1	24
196	Protective properties of combined fungal polysaccharides from <i>Cordyceps sinensis</i> and <i>Ganoderma atrum</i> on colon immune dysfunction. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 1049-1055	7.9	24
195	A polysaccharide from <i>Ganoderma atrum</i> inhibits tumor growth by induction of apoptosis and activation of immune response in CT26-bearing mice. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9296-304	5.7	24
194	Plant non-starch polysaccharides that inhibit key enzymes linked to type 2 diabetes mellitus. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1401, 28-36	6.5	24
193	Physical quality and in vitro starch digestibility of biscuits as affected by addition of soluble dietary fiber from defatted rice bran. <i>Food Hydrocolloids</i> , 2020 , 99, 105349	10.6	24
192	<i>Ganoderma atrum</i> polysaccharide ameliorates intestinal mucosal dysfunction associated with autophagy in immunosuppressed mice. <i>Food and Chemical Toxicology</i> , 2020 , 138, 111244	4.7	23
191	Coix polysaccharides: Gut microbiota regulation and immunomodulatory. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2018 , 16, 53-61	3.4	23
190	Formation of 3-chloropropane-1,2-diol esters in model systems simulating thermal processing of edible oil. <i>LWT - Food Science and Technology</i> , 2016 , 69, 586-592	5.4	23
189	Carboxymethylation enhances the maturation-inducing activity in dendritic cells of polysaccharide from the seeds of <i>Plantago asiatica</i> L. <i>International Immunopharmacology</i> , 2014 , 22, 324-31	5.8	23

188	Ganoderma atrum polysaccharide evokes antitumor activity via cAMP-PKA mediated apoptotic pathway and down-regulation of Ca(2+)/PKC signal pathway. <i>Food and Chemical Toxicology</i> , 2014 , 68, 239-46	4.7	23
187	Chemical composition and antioxidant activities in immunosuppressed mice of polysaccharides isolated from Mosla chinensis Maxim cv. jiangxiangru. <i>International Immunopharmacology</i> , 2013 , 17, 267-74	5.8	23
186	Characterization and in vitro antioxidation of papain hydrolysate from black-bone silky fowl (Gallus gallus domesticus Brisson) muscle and its fractions. <i>Food Research International</i> , 2011 , 44, 133-138	7	23
185	In vitro antioxidative and anticancer activities of tea glycoprotein in green tea. <i>European Food Research and Technology</i> , 2007 , 224, 437-442	3.4	23
184	Dendrobium officinale polysaccharide ameliorates the liver metabolism disorders of type II diabetic rats. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1939-1948	7.9	23
183	Studies on O-acetyl-glucomannans from Amorphophallus species: Comparison of physicochemical properties and primary structures. <i>Food Hydrocolloids</i> , 2019 , 89, 503-511	10.6	23
182	Metabolism and health effects of phyto-estrogens. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 2432-2454	11.5	22
181	The protective effect of Ganoderma atrum polysaccharide against anoxia/reoxygenation injury in neonatal rat cardiomyocytes. <i>Life Sciences</i> , 2009 , 85, 634-41	6.8	22
180	Antioxidant activities and anthocyanins composition of seed coats from twenty-six kidney bean cultivars. <i>Journal of Functional Foods</i> , 2016 , 26, 622-631	5.1	22
179	Gastroprotective effect of gamma-aminobutyric acid against ethanol-induced gastric mucosal injury. <i>Chemico-Biological Interactions</i> , 2017 , 272, 125-134	5	21
178	Effect of polysaccharide from Ganoderma atrum on the serum metabolites of type 2 diabetic rats. <i>Food Hydrocolloids</i> , 2016 , 53, 31-36	10.6	21
177	Mucosal. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9831-9839	5.7	21
176	Cultured Cordyceps sinensis polysaccharides attenuate cyclophosphamide-induced intestinal barrier injury in mice. <i>Journal of Functional Foods</i> , 2019 , 62, 103523	5.1	21
175	Structure and biological activities of a pectic polysaccharide from Mosla chinensis Maxim. cv. Jiangxiangru. <i>Carbohydrate Polymers</i> , 2014 , 105, 276-84	10.3	21
174	Simultaneous determination of furan and 2-alkylfurans in heat-processed foods by automated static headspace gas chromatography-mass spectrometry. <i>LWT - Food Science and Technology</i> , 2016 , 72, 44-54	5.4	21
173	Isolation, structure, and bioactivities of polysaccharides from Cyclocarya paliurus (Batal.) Iljinskaja. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1398, 20-29	6.5	20
172	Simultaneous Determination of Acrylamide and 5-Hydroxymethylfurfural in Heat-Processed Foods Employing Enhanced Matrix Removal-Lipid as a New Dispersive Solid-Phase Extraction Sorbent Followed by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 5017-5025	5.7	20
171	Lactobacillus plantarum NCU116 fermented carrot juice evokes changes of metabolites in serum from type 2 diabetic rats. <i>Food Research International</i> , 2016 , 80, 36-40	7	20

170	Study on colon health benefit of polysaccharide from <i>Cyclocarya paliurus</i> leaves in vivo. <i>Journal of Functional Foods</i> , 2014 , 11, 203-209	5.1	20
169	Direct inhibition of Keap1/Nrf2 interaction by egg-derived peptides DKK and DDW revealed by molecular docking and fluorescence polarization. <i>RSC Advances</i> , 2017 , 7, 34963-34971	3.7	20
168	Assessment of dietary phytoestrogen intake via plant-derived foods in China. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 1325-35	3.2	20
167	Antimicrobial and antioxidant activities of the essential oil from <i>Herba Moslae</i> . <i>Journal of the Science of Food and Agriculture</i> , 2010 , 90, 1347-52	4.3	20
166	Structural characteristics and rheological properties of high viscous glucan from fruit body of <i>Dictyophora rubrovolvata</i> . <i>Food Hydrocolloids</i> , 2020 , 101, 105514	10.6	20
165	Studies on polysaccharides from leaf skin of <i>Aloe barbadensis</i> Miller: Part II. Structural characteristics and molecular properties of two lower molecular weight fractions. <i>Food Hydrocolloids</i> , 2019 , 86, 50-61	10.6	20
164	Polysaccharide purified from <i>Ganoderma atrum</i> induced activation and maturation of murine myeloid-derived dendritic cells. <i>Food and Chemical Toxicology</i> , 2017 , 108, 478-485	4.7	19
163	Modulation of cytokine gene expression by selected <i>Lactobacillus</i> isolates in the ileum, caecal tonsils and spleen of <i>Salmonella</i> -challenged broilers. <i>Avian Pathology</i> , 2015 , 44, 463-9	2.4	19
162	Transcriptome Analysis Reveals Regulation of Gene Expression for Lipid Catabolism in Young Broilers by Butyrate Glycerides. <i>PLoS ONE</i> , 2016 , 11, e0160751	3.7	19
161	Combinatorial usage of fungal polysaccharides from <i>Cordyceps sinensis</i> and <i>Ganoderma atrum</i> ameliorate drug-induced liver injury in mice. <i>Food and Chemical Toxicology</i> , 2018 , 119, 66-72	4.7	19
160	Metabolomics and Lipidomics Profiling Reveals Hypocholesterolemic and Hypolipidemic Effects of Arabinoxylan on Type 2 Diabetic Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10614-10623	5.7	18
159	Molecular properties and gut health benefits of enzyme-hydrolyzed konjac glucomannans. <i>Carbohydrate Polymers</i> , 2020 , 237, 116117	10.3	18
158	Structural characterization of an α 1, 6-linked galactomannan from natural <i>Cordyceps sinensis</i> . <i>Food Hydrocolloids</i> , 2018 , 78, 77-91	10.6	18
157	Tea Polysaccharide Prevents Colitis-Associated Carcinogenesis in Mice by Inhibiting the Proliferation and Invasion of Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	18
156	Deciphering diet-gut microbiota-host interplay: Investigations of pectin. <i>Trends in Food Science and Technology</i> , 2020 , 106, 171-181	15.3	18
155	Cell Signaling of in Response to Enterotoxigenic Infection and Protection. <i>Frontiers in Immunology</i> , 2018 , 9, 1745	8.4	18
154	<i>Dendrobium officinale</i> polysaccharide triggers mitochondrial disorder to induce colon cancer cell death via ROS-AMPK-autophagy pathway. <i>Carbohydrate Polymers</i> , 2021 , 264, 118018	10.3	18
153	Tumor Microenvironment as a New Target for Tumor Immunotherapy of Polysaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , 2016 , 56 Suppl 1, S85-94	11.5	17

- 152 Primary structure and configuration of tea polysaccharide. *Science in China Series C: Life Sciences*, **2004**, 47, 416-24 17
- 151 Structural Features of Alkaline Extracted Polysaccharide from the Seeds of *Plantago asiatica* L. and Its Rheological Properties. *Molecules*, **2016**, 21, 4.8 17
- 150 Effect of *Lactobacillus plantarum* NCU116 Fermentation on *Asparagus officinalis* Polysaccharide: Characterization, Antioxidative, and Immunoregulatory Activities. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 10703-10711 5.7 17
- 149 Comparative study on antidiabetic function of six legume crude polysaccharides. *International Journal of Biological Macromolecules*, **2020**, 154, 25-30 7.9 16
- 148 Physicochemical, structural and rheological properties of alkali-extracted polysaccharide from fruiting body of *Herichium erinaceus*. *LWT - Food Science and Technology*, **2019**, 115, 108330 5.4 16
- 147 Metabolism amelioration of *Dendrobium officinale* polysaccharide on type II diabetic rats. *Food Hydrocolloids*, **2020**, 102, 105582 10.6 16
- 146 RNA-seq based elucidation of mechanism underlying *Ganoderma atrum* polysaccharide induced immune activation of murine myeloid-derived dendritic cells. *Journal of Functional Foods*, **2019**, 55, 104-116 5.1 16
- 145 Hypoglycemic mechanism of polysaccharide from *Cyclocarya paliurus* leaves in type 2 diabetic rats by gut microbiota and host metabolism alteration. *Science China Life Sciences*, **2021**, 64, 117-132 8.5 16
- 144 Composition of bound polyphenols from carrot dietary fiber and its in vivo and in vitro antioxidant activity. *Food Chemistry*, **2021**, 339, 127879 8.5 16
- 143 Comparison of Furans Formation and Volatile Aldehydes Profiles of Four Different Vegetable Oils During Thermal Oxidation. *Journal of Food Science*, **2019**, 84, 1966-1978 3.4 15
- 142 Study on *Dendrobium officinale* O-acetyl-glucomannan (Dendronan[®]): Part V. Fractionation and structural heterogeneity of different fractions. *Bioactive Carbohydrates and Dietary Fibre*, **2015**, 5, 106-114 3.4 15
- 141 Regulatory effects of *Ganoderma atrum* polysaccharides on LPS-induced inflammatory macrophages model and intestinal-like Caco-2/macrophages co-culture inflammation model. *Food and Chemical Toxicology*, **2020**, 140, 111321 4.7 15
- 140 Immunomodulatory effect of *Ganoderma atrum* polysaccharides on Th17/Treg balance. *Journal of Functional Foods*, **2018**, 45, 215-222 5.1 15
- 139 *Ganoderma atrum* polysaccharide modulates TNF- α secretion and mRNA expression in macrophages of S-180 tumor-bearing mice. *Food Hydrocolloids*, **2016**, 53, 24-30 10.6 15
- 138 Effects of nonylphenol exposure on expression of cell receptors and secretory function in mouse Sertoli TM4 cells. *Environmental Toxicology and Pharmacology*, **2014**, 37, 608-16 5.8 15
- 137 Antidiabetic and pancreas-protective effects of zinc threoninate chelate in diabetic rats may be associated with its antioxidative stress ability. *Biological Trace Element Research*, **2013**, 153, 291-8 4.5 15
- 136 Influences of Operating Parameters on the Formation of Furan During Heating Based on Models of Polyunsaturated Fatty Acids. *Journal of Food Science*, **2015**, 80, T1432-7 3.4 15
- 135 Extraction optimization, characterization and bioactivity of crude polysaccharides from *Herba Moslae*. *Carbohydrate Polymers*, **2011**, 83, 1201-1206 10.3 15

134	Applications of infrared spectroscopy in polysaccharide structural analysis: Progress, challenge and perspective. <i>Food Chemistry: X</i> , 2021 , 12, 100168	4.7	15
133	Identification of pivotal components on the antioxidant activity of polysaccharide extract from <i>Ganoderma atrum</i> . <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2016 , 7, 9-18	3.4	15
132	Protective effect of <i>Ganoderma atrum</i> polysaccharide on acrolein-induced macrophage injury via autophagy-dependent apoptosis pathway. <i>Food and Chemical Toxicology</i> , 2019 , 133, 110757	4.7	14
131	Antioxidants Inhibit Formation of 3-Monochloropropane-1,2-diol Esters in Model Reactions. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 9850-4	5.7	14
130	Effects of Nondigestible Oligosaccharides on Obesity. <i>Annual Review of Food Science and Technology</i> , 2020 , 11, 205-233	14.7	14
129	Comparison of immunomodulatory effects of three polysaccharide fractions from <i>Lentinula edodes</i> water extracts. <i>Journal of Functional Foods</i> , 2020 , 66, 103791	5.1	14
128	Bioactive polysaccharide from edible <i>Dictyophora</i> spp.: Extraction, purification, structural features and bioactivities. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2018 , 14, 25-32	3.4	14
127	Effect of encapsulated carvacrol on the incidence of necrotic enteritis in broiler chickens. <i>Avian Pathology</i> , 2016 , 45, 357-64	2.4	14
126	The effect of bound polyphenols on the fermentation and antioxidant properties of carrot dietary fiber in vivo and in vitro. <i>Food and Function</i> , 2020 , 11, 748-758	6.1	14
125	Mitogen-activated protein kinase and Akt pathways are involved in 4-n-nonyphenol induced apoptosis in mouse Sertoli TM4 cells. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 815-24	5.8	13
124	Genistein Promotes Proliferation of Human Cervical Cancer Cells Through Estrogen Receptor-Mediated PI3K/Akt-NF- κ B Pathway. <i>Journal of Cancer</i> , 2018 , 9, 288-295	4.5	13
123	Novel nano-particulated exopolysaccharide produced by <i>Klebsiella</i> sp. PHRC1.001. <i>Carbohydrate Polymers</i> , 2017 , 171, 252-258	10.3	13
122	Two-step hydrolysis method for monosaccharide composition analysis of natural polysaccharides rich in uronic acids. <i>Food Hydrocolloids</i> , 2020 , 101, 105524	10.6	13
121	Intervention of five strains of <i>Lactobacillus</i> on obesity in mice induced by high-fat diet. <i>Journal of Functional Foods</i> , 2020 , 72, 104078	5.1	13
120	Plant-derived glucomannans: Sources, preparation methods, structural features, and biological properties. <i>Trends in Food Science and Technology</i> , 2020 , 99, 101-116	15.3	12
119	Indirectly stimulation of DCs by <i>Ganoderma atrum</i> polysaccharide in intestinal-like Caco-2/DCs co-culture model based on RNA-seq. <i>Journal of Functional Foods</i> , 2020 , 67, 103850	5.1	12
118	Structural Characterization and Chain Conformation of Water-Soluble β -Glucan from Wild. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12520-12527	5.7	12
117	Gamma-Aminobutyric Acid Increases the Production of Short-Chain Fatty Acids and Decreases pH Values in Mouse Colon. <i>Molecules</i> , 2017 , 22,	4.8	12

116	The antioxidant potential of the New Zealand surf clams. <i>Food Chemistry</i> , 2016 , 204, 141-149	8.5	12
115	Multiomics Approach to Explore the Amelioration Mechanisms of Glucomannans on the Metabolic Disorder of Type 2 Diabetic Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2632-2645	5.7	12
114	Serum metabolomics analysis for biomarker of <i>Lactobacillus plantarum</i> NCU116 on hyperlipidaemic rat model feed by high fat diet. <i>Journal of Functional Foods</i> , 2018 , 42, 171-176	5.1	11
113	Enzymatic purification and structure characterization of glucuronoxylan from water extract of <i>Cassia obtusifolia</i> seeds. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1438-1446	7.9	11
112	Effect of gum arabic on glucose levels and microbial short-chain fatty acid production in white rice porridge model and mixed grain porridge model. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6408-16	5.7	11
111	Purification and identification of novel antioxidative peptide released from Black-bone silky fowl (<i>Gallus gallus domesticus</i> Brisson). <i>European Food Research and Technology</i> , 2013 , 237, 253-263	3.4	11
110	Polysaccharide from the seeds of <i>Plantago asiatica</i> L. alleviates nonylphenol induced intestinal barrier injury by regulating tight junctions in human Caco-2 cell line. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2134-2140	7.9	11
109	Exopolysaccharides from NCU116 Facilitate Intestinal Homeostasis by Modulating Intestinal Epithelial Regeneration and Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 7863-7873	5.7	11
108	Origin of Hypoglycemic Benefits of Probiotic-Fermented Carrot Pulp. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 895-904	5.7	11
107	Effect of fatty acids and triglycerides on the formation of lysine-derived advanced glycation end-products in model systems exposed to frying temperature.. <i>RSC Advances</i> , 2019 , 9, 15162-15170	3.7	10
106	Glucomannans Alleviated the Progression of Diabetic Kidney Disease by Improving Kidney Metabolic Disturbance. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801008	5.9	10
105	Ascorbic acid induced degradation of polysaccharide from natural products: a review. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 483-491	7.9	10
104	Comparative study of the effects of antioxidants on furan formation during thermal processing in model systems. <i>LWT - Food Science and Technology</i> , 2017 , 75, 286-292	5.4	10
103	Activity prediction and molecular mechanism of bovine blood derived angiotensin I-converting enzyme inhibitory peptides. <i>PLoS ONE</i> , 2015 , 10, e0119598	3.7	10
102	Analysis and Formation of trans Fatty Acids in Corn Oil During the Heating Process. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 859-867	1.8	10
101	Discrimination of Different <i>Ganoderma</i> Species and their Region Based on GC-MS Profiles of Sterols and Pattern Recognition Techniques. <i>Analytical Letters</i> , 2011 , 44, 863-873	2.2	10
100	Structural characteristics and rheological properties of alkali-extracted arabinoxylan from dehulled barley kernel. <i>Carbohydrate Polymers</i> , 2020 , 249, 116813	10.3	10
99	Utilizing relative ordered structure theory to guide polysaccharide purification for structural characterization. <i>Food Hydrocolloids</i> , 2021 , 115, 106603	10.6	10

98	Polysaccharide from <i>Artocarpus heterophyllus</i> Lam. (jackfruit) pulp modulates gut microbiota composition and improves short-chain fatty acids production. <i>Food Chemistry</i> , 2021 , 364, 130434	8.5	10
97	Polysaccharide isolated from seeds of <i>L. induces</i> maturation of dendritic cells through MAPK and NF- κ B pathway. <i>Saudi Journal of Biological Sciences</i> , 2018 , 25, 1202-1207	4	9
96	Effect of fermentation and sterilization on anthocyanins in blueberry. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 1459-1466	4.3	9
95	Combined application of gallate ester and α -tocopherol in oil-in-water emulsion: Their distribution and antioxidant efficiency. <i>Journal of Dispersion Science and Technology</i> , 2020 , 41, 909-917	1.5	9
94	Interactions between ascorbic acid and water soluble polysaccharide from the seeds of <i>Plantago asiatica</i> L.: Effects on polysaccharide physicochemical properties and stability. <i>Food Hydrocolloids</i> , 2020 , 99, 105351	10.6	9
93	Arabinoxylan ameliorates type 2 diabetes by regulating the gut microbiota and metabolites. <i>Food Chemistry</i> , 2022 , 371, 131106	8.5	9
92	Comparison on structure and physicochemical properties of starches from adzuki bean and dolichos bean. <i>Food Hydrocolloids</i> , 2020 , 105, 105784	10.6	8
91	Effects of 4-nonylphenol isomers on cell receptors and mitogen-activated protein kinase pathway in mouse Sertoli TM4 cells. <i>Toxicology</i> , 2014 , 326, 1-8	4.4	8
90	Structural characteristics of a highly branched and acetylated pectin from <i>Portulaca oleracea</i> L.. <i>Food Hydrocolloids</i> , 2021 , 116, 106659	10.6	8
89	Antioxidant and antibacterial capabilities of phenolic compounds and organic acids from cake. <i>Food Science and Biotechnology</i> , 2020 , 29, 17-25	3	8
88	<i>Cordyceps sinensis</i> : Anti-fibrotic and inflammatory effects of a cultured polysaccharide extract. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2018 , 14, 2-8	3.4	8
87	Seaweed polysaccharides: Emerging extraction technologies, chemical modifications and bioactive properties. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-29	11.5	8
86	Downregulation of steroid hormone receptor expression and activation of cell signal transduction pathways induced by a chiral nonylphenol isomer in mouse sertoli TM4 cells. <i>Environmental Toxicology</i> , 2017 , 32, 469-476	4.2	7
85	pH and lipid unsaturation impact the formation of acrylamide and 5-hydroxymethylfurfural in model system at frying temperature. <i>Food Research International</i> , 2019 , 123, 403-413	7	7
84	Polysaccharide from the Seeds of <i>L. Protect</i> Against Lipopolysaccharide-Induced Liver Injury. <i>Journal of Medicinal Food</i> , 2019 , 22, 1058-1066	2.8	7
83	Nonylphenol regulates cyclooxygenase-2 expression via Ros-activated NF- κ B pathway in sertoli TM4 cells. <i>Environmental Toxicology</i> , 2015 , 30, 1144-52	4.2	7
82	Polysaccharides from fermented with NCU116 alleviated liver injury modulation of glutathione homeostasis, bile acid metabolism, and SCFA production. <i>Food and Function</i> , 2020 , 11, 7681-7695	6.1	7
81	Bioactive Dietary Fibers Selectively Promote Gut Microbiota to Exert Antidiabetic Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 7000-7015	5.7	7

80	Molecular properties and immunomodulatory activities of a water-soluble heteropolysaccharide isolated from <i>L. leaves</i> . <i>Natural Product Research</i> , 2019 , 33, 1678-1681	2.3	7
79	The protective effects against cyclophosphamide (CTX)-induced immunosuppression of three glucomannans. <i>Food Hydrocolloids</i> , 2020 , 100, 105445	10.6	7
78	Studies on O-acetyl-glucomannans from <i>Amorphophallus</i> species: Comparison of fine structure. <i>Food Hydrocolloids</i> , 2020 , 100, 105391	10.6	7
77	A polysaccharide from natural <i>Cordyceps sinensis</i> regulates the intestinal immunity and gut microbiota in mice with cyclophosphamide-induced intestinal injury. <i>Food and Function</i> , 2021 , 12, 6271-6282	6.1	7
76	Isolation and structure characterization of a low methyl-esterified pectin from the tuber of <i>Dioscorea opposita</i> Thunb. <i>Food Chemistry</i> , 2021 , 359, 129899	8.5	7
75	Revealing the architecture and solution properties of polysaccharide fractions from <i>Macrolepiota albuminosa</i> (Berk.) Pegler. <i>Food Chemistry</i> , 2022 , 368, 130772	8.5	7
74	Determination of 3-Monochloropropane-1,2-Diol Esters in Edible Oil Method Validation and Estimation of Measurement Uncertainty. <i>Food Analytical Methods</i> , 2016 , 9, 845-855	3.4	6
73	<i>Ganoderma atrum</i> polysaccharide ameliorates anoxia/reoxygenation-mediated oxidative stress and apoptosis in human umbilical vein endothelial cells. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 398-406	7.9	6
72	Characteristics and catalytic behavior of different platinum supported catalysts in the selective hydrogenation of soybean oil. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 122, 915-930	1.6	6
71	Lysosome-Mediated Cytotoxic Autophagy Contributes to Tea Polysaccharide-Induced Colon Cancer Cell Death via mTOR-TFEB Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 686-697	5.7	6
70	Physicochemical and rheological properties of pomelo albedo pectin and its interaction with konjac glucomannan. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 1205-1212	7.9	6
69	Comparative study on glucomannans with different structural characteristics: Functional properties and intestinal production of short chain fatty acids. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 826-835	7.9	6
68	Acetylation Modification Improves Immunoregulatory Effect of Polysaccharide from Seeds of <i>Plantago asiatica</i> L.. <i>Journal of Chemistry</i> , 2018 , 2018, 1-10	2.3	6
67	Formation of trans fatty acids during the frying of chicken fillet in corn oil. <i>International Journal of Food Sciences and Nutrition</i> , 2014 , 65, 306-10	3.7	5
66	Regulation of maturation and function of dendritic cells by tea glycoprotein. <i>European Food Research and Technology</i> , 2012 , 235, 1023-1032	3.4	5
65	Optimization of Supercritical Fluid Extraction of Essential Oil from <i>Herba Moslae</i> by Response Surface Methodology and Its Chemical Composition Analysis. <i>Food Science and Technology Research</i> , 2010 , 16, 185-190	0.8	5
64	Near-infrared spectroscopy and partial least-squares regression for determination of arachidonic acid in powdered oil. <i>Lipids</i> , 2010 , 45, 559-65	1.6	5
63	Effects of fermentation with <i>Lactobacillus plantarum</i> NCU137 on nutritional, sensory and stability properties of <i>Coix</i> (<i>Coix lachryma-jobi</i> L.) seed. <i>Food Chemistry</i> , 2020 , 314, 126037	8.5	5

62	Inappropriateness of RNAlater to preserve for RNA extraction. <i>MethodsX</i> , 2019 , 6, 2460-2467	1.9	5
61	Comprehensive evaluation of alkali-extracted polysaccharides from <i>Agrocybe cylindracea</i> : Comparison on structural characterization. <i>Carbohydrate Polymers</i> , 2021 , 255, 117502	10.3	5
60	Polysaccharides from fermented <i>Momordica charantia</i> L. with <i>Lactobacillus plantarum</i> NCU116 ameliorate metabolic disorders and gut microbiota change in obese rats. <i>Food and Function</i> , 2021 , 12, 2617-2630	6.1	5
59	Functional hydrocolloids, gut microbiota and health: picking food additives for personalized nutrition. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	5
58	Polysaccharide from the seeds of <i>Plantago asiatica</i> L. alleviates nonylphenol induced reproductive system injury of male rats via PI3K/Akt/mTOR pathway. <i>Journal of Functional Foods</i> , 2020 , 66, 103828	5.1	4
57	Efficient enrichment of total flavonoids from kale (<i>Brassica oleracea</i> L. var. <i>acephala</i> L.) extracts by NKA-9 resin and antioxidant activities of flavonoids extract in vitro.. <i>Food Chemistry</i> , 2021 , 374, 131508	8.5	4
56	Heteroglycans from the fruiting bodies of <i>Agrocybe cylindracea</i> : Fractionation, physicochemical properties and structural characterization. <i>Food Hydrocolloids</i> , 2021 , 114, 106568	10.6	4
55	Bidirectional Estrogen-Like Effects of Genistein on Murine Experimental Autoimmune Ovarian Disease. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	4
54	Hydrophobically Modified Glucan as an Amphiphilic Carbohydrate Polymer for Micellar Delivery of Myricetin. <i>Molecules</i> , 2019 , 24,	4.8	4
53	Probiotic fermentation modifies the structures of pectic polysaccharides from carrot pulp. <i>Carbohydrate Polymers</i> , 2021 , 251, 117116	10.3	4
52	gastrointestinal digestion and fermentation models and their applications in food carbohydrates. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-23	11.5	4
51	Mass spectrometry for structural elucidation and sequencing of carbohydrates. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116436	14.6	4
50	In vitro digestion of eight types of wholegrains and their dietary recommendations for different populations. <i>Food Chemistry</i> , 2022 , 370, 131069	8.5	4
49	Safety evaluation of zinc threoninate chelate. <i>International Journal of Toxicology</i> , 2010 , 29, 372-9	2.4	3
48	Beneficial effects of seaweed-derived dietary fiber: Highlights of the sulfated polysaccharides. <i>Food Chemistry</i> , 2021 , 131608	8.5	3
47	Interaction between four galactans with different structural characteristics and gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-11	11.5	3
46	The Role of Neurotransmitters in the Protection of for Infection by. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 554052	5.9	3
45	Polysaccharide from white kidney bean can improve hyperglycemia and hyperlipidemia in diabetic rats. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020 , 24, 100222	3.4	3

44	A comparative study on nutritive peculiarities of 24 Chinese cowpea cultivars. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111841	4.7	3
43	Attenuation of intestinal inflammation of polysaccharides from the seeds of <i>Plantago asiatica</i> L. as affected by ultrasonication. <i>Journal of Food Biochemistry</i> , 2018 , 42, e12656	3.3	3
42	Changes in fatty acids and formation of carbonyl compounds during frying of rice cakes and hairtails. <i>Journal of Food Composition and Analysis</i> , 2021 , 101, 103937	4.1	3
41	Rapid profiling strategy for oligosaccharides and polysaccharides by MALDI TOF mass spectrometry. <i>Food Hydrocolloids</i> , 2021 , 124, 107237	10.6	3
40	High-performance liquid chromatography for food quality evaluation 2019 , 267-299		2
39	Mineral analysis of hulless barley grown in different areas and its β -glucan concentrates. <i>Cogent Food and Agriculture</i> , 2016 , 2,	1.8	2
38	Stimulatory effects of genistein and quercetin on the proliferation of MCF-7 cells. <i>Food Bioscience</i> , 2013 , 2, 15-23	4.9	2
37	Separation and Identification of Ergosta-4,6,8(14),22-tetraen-3-one from <i>Ganoderma atrum</i> by High-Speed Counter-Current Chromatography and Spectroscopic Methods. <i>Chromatographia</i> , 2008 , 67, 999-1001	2.1	2
36	Review of structure and bioactivity of the (Plantaginaceae) polysaccharides. <i>Food Chemistry: X</i> , 2021 , 12, 100158	4.7	2
35	Effects of tea polysaccharides in combination with polyphenols on dextran sodium sulfate-induced colitis in mice.. <i>Food Chemistry: X</i> , 2022 , 13, 100190	4.7	2
34	An overview on interactions between natural product-derived β -glucan and small-molecule compounds. <i>Carbohydrate Polymers</i> , 2021 , 261, 117850	10.3	2
33	Structural characteristics of three pectins isolated from white kidney bean. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 2151-2161	7.9	2
32	Are Chinese edible oils safe? A survey of trans fatty acid contents in Chinese edible oils. <i>Food Science and Biotechnology</i> , 2016 , 25, 631-636	3	2
31	Isolation and structure characterization of glucuronoxylans from <i>Dolichos lablab</i> L. hull. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1026-1036	7.9	2
30	Prebiotic characteristics of arabinogalactans during in vitro fermentation through multi-omics analysis. <i>Food and Chemical Toxicology</i> , 2021 , 156, 112522	4.7	2
29	Natural Antioxidants and Hydrocolloids as a Mitigation Strategy to Inhibit Advanced Glycation End Products (AGEs) and 5-Hydroxymethylfurfural (HMF) in Butter Cookies.. <i>Foods</i> , 2022 , 11,	4.9	2
28	Resistant starches and gut microbiota.. <i>Food Chemistry</i> , 2022 , 387, 132895	8.5	2
27	Influence of Natural Polysaccharides on Intestinal Microbiota in Inflammatory Bowel Diseases: An Overview.. <i>Foods</i> , 2022 , 11,	4.9	2

26	Mechanism of viscosity reduction of okra pectic polysaccharide by ascorbic acid.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119196	10.3	1
25	Compound hydrogels derived from gelatin and gellan gum regulates the release of anthocyanins in simulated digestion. <i>Food Hydrocolloids</i> , 2022 , 127, 107487	10.6	1
24	Interaction between polysaccharides and toll-like receptor 4: Primary structural role, immune balance perspective, and 3D interaction model hypothesis. <i>Food Chemistry</i> , 2021 , 374, 131586	8.5	1
23	Short-term exposure to high relative humidity increases blood urea and influences colonic urea-nitrogen metabolism by altering the gut microbiota.. <i>Journal of Advanced Research</i> , 2022 , 35, 153-168	13.8	1
22	Fucoidan Extracted From Sporophyll of Grown in Weihai, China - Chemical Composition and Comparison of Antioxidant Activity of Different Molecular Weight Fractions. <i>Frontiers in Nutrition</i> , 2021 , 8, 636930	6.2	1
21	Isolation, Physicochemical Properties, and Structural Characteristics of Arabinoxylan from Hull-Less Barley. <i>Molecules</i> , 2021 , 26,	4.8	1
20	Fractionation, physicochemical and structural characterization of polysaccharides from barley water-soluble fiber. <i>Food Hydrocolloids</i> , 2021 , 113, 106539	10.6	1
19	Microbiota-related effects of prebiotic fibres in lipopolysaccharide-induced endotoxemic mice: short chain fatty acid production and gut commensal translocation. <i>Food and Function</i> , 2021 , 12, 7343-7357	6.1	1
18	Glucomannan from Gel Promotes Intestinal Stem Cell-Mediated Epithelial Regeneration via the Wnt/ECatenin Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 10581-10591	5.7	1
17	Effects of processing parameters on furan formation in canned strawberry jam. <i>Food Chemistry</i> , 2021 , 358, 129819	8.5	1
16	Structural characterization and antioxidant activities of polysaccharides from okra (<i>Abelmoschus esculentus</i> (L.) Moench) pericarp. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2021 , 26, 100277	3.4	1
15	Effect of acidity regulators on acrylamide and 5-hydroxymethylfurfural formation in French fries: The dual role of pH and acid radical ion. <i>Food Chemistry</i> , 2022 , 371, 131154	8.5	1
14	Utilization of four galactans by <i>Bacteroides thetaiotaomicron</i> A4 based on transcriptome. <i>Food Frontiers</i> , 2021 , 2, 218-231	4.2	0
13	Lysosome-mediated mitochondrial apoptosis induced by tea polysaccharides promotes colon cancer cell death. <i>Food and Function</i> , 2021 , 12, 10524-10537	6.1	0
12	Fractions from natural <i>Cordyceps sinensis</i> alleviated intestinal injury in cyclophosphamide-induced mice. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2021 , 26, 100271	3.4	0
11	A branched galactoglucan with flexible chains from the basidioma of <i>Macrolepiota albuminosa</i> (Berk.) Pegler. <i>Food Chemistry</i> , 2022 , 367, 130738	8.5	0
10	Chain conformations and steady-shear viscosity properties of pectic polysaccharides from apple and tomato.. <i>Food Chemistry: X</i> , 2022 , 14, 100296	4.7	0
9	A narrative review on conformational structure characterization of natural polysaccharides. <i>Food Frontiers</i> ,	4.2	0

8	Effects of baking factors and recipes on the quality of butter cookies and the formation of advanced glycation end products (AGEs) and 5-hydroxymethylfurfural (HMF). <i>Current Research in Food Science</i> , 2022 , 5, 940-948	5.6	0
7	65 Exploring molecular mechanisms behind Lactobacillus protection offered to Caenorhabditis elegans: the role of neurotransmitters. <i>Journal of Animal Science</i> , 2020 , 98, 40-41	0.7	
6	Structural characterization and rheological properties of an alkali-extracted βglucan from Hypsizygus marmoreus. <i>Food Hydrocolloids</i> , 2022 , 126, 107475	10.6	
5	Polysaccharides in Food 2020 , 1-30		
4	Oxidative Stress and Apoptosis Contributed to Nonylphenol-Induced Cell Damage in Mouse NCTC Clone 1469 Cells. <i>Journal of Chemistry</i> , 2020 , 2020, 1-14	2.3	
3	Polysaccharides in Food 2021 , 1401-1430		
2	From universal recipes to customerised choices: Innovations, challenges and prospects of the polysaccharides-based food. <i>Food Bioscience</i> , 2022 , 46, 101613	4.9	
1	Structural Characterization of a Low Molecular Weight HG-Type Pectin From Gougunao Green Tea.. <i>Frontiers in Nutrition</i> , 2022 , 9, 878249	6.2	