

Kan Ding

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	1,170 citations	22 h-index	32 g-index
61 ext. papers	1,588 ext. citations	7.7 avg, IF	4.84 L-index

#	Paper	IF	Citations
56	Novel pectin-like polysaccharide from <i>Panax notoginseng</i> attenuates renal tubular cells fibrogenesis induced by TGF- β <i>Carbohydrate Polymers</i> , 2022 , 276, 118772	10.3	2
55	Cocktail polysaccharides isolated from <i>Ecklonia kurome</i> against the SARS-CoV-2 infection. <i>Carbohydrate Polymers</i> , 2022 , 275, 118779	10.3	1
54	A galacturonan from <i>Dioscorea opposita</i> Thunb. regulates fecal and impairs IL-1 and IL-6 expression in diarrhea mice.. <i>Glycoconjugate Journal</i> , 2022 , 39, 131	3	1
53	Sulfated galactoglucan impedes xenografted lung cancer cell growth by blocking angiogenesis via binding BMPRs.. <i>Carbohydrate Polymers</i> , 2022 , 289, 119412	10.3	
52	Recent progress on discovery and research of aldoxime dehydratases. <i>Green Synthesis and Catalysis</i> , 2021 , 2, 179-186	9.3	2
51	<i>Crataegus pinnatifida</i> polysaccharide alleviates colitis via modulation of gut microbiota and SCFAs metabolism. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 357-368	7.9	23
50	The structure elucidation of novel arabinogalactan LRP1-S2 against pancreatic cancer cells growth in vitro and in vivo. <i>Carbohydrate Polymers</i> , 2021 , 267, 118172	10.3	7
49	Discrete genetic loci in human gut <i>Bacteroides thetaiotaomicron</i> confer pectin metabolism. <i>Carbohydrate Polymers</i> , 2021 , 272, 118534	10.3	1
48	A novel pectin from <i>Polygala tenuifolia</i> blocks A β aggregation and production by enhancing insulin-degradation enzyme and neprilysin. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 35-43	7.9	4
47	The homogenous polysaccharide SY01-23 purified from leaf of <i>Morus alba</i> L. has bioactivity on human gut <i>Bacteroides ovatus</i> and <i>Bacteroides cellulosilyticus</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 698-707	7.9	5
46	A pectin-like polysaccharide from <i>Polygala tenuifolia</i> inhibits pancreatic cancer cell growth in vitro and in vivo by inducing apoptosis and suppressing autophagy. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 107-115	7.9	6
45	Isolation and structure characterization of a polysaccharide from <i>Crataegus pinnatifida</i> and its bioactivity on gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 82-91	7.9	13
44	Structural elucidation of a pectin from roots of <i>Polygala tenuifolia</i> and its neuritogenesis inducing activity in PC12 cells. <i>Carbohydrate Polymers</i> , 2020 , 236, 116048	10.3	4
43	A review of isolation methods, structure features and bioactivities of polysaccharides from <i>Dendrobium</i> species. <i>Chinese Journal of Natural Medicines</i> , 2020 , 18, 1-27	2.8	19
42	Intestinal microbes derived butyrate is related to the immunomodulatory activities of <i>Dendrobium officinale</i> polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 717-723	7.9	29
41	Cordycepin inhibits pancreatic cancer cell growth in vitro and in vivo via targeting FGFR2 and blocking ERK signaling. <i>Chinese Journal of Natural Medicines</i> , 2020 , 18, 345-355	2.8	6
40	Polysaccharides from <i>Lycium barbarum</i> ameliorate amyloid pathology and cognitive functions in APP/PS1 transgenic mice. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 1004-1012	7.9	14

39	Nostoc sphaeroids K ⁺ polysaccharide and powder enrich a core bacterial community on C57BL/6j mice. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1734-1742	7.9	1
38	The impact of structural modification of sulfated polysaccharides on bone morphogenic protein 2 and inhibition of endothelial cell angiogenesis. <i>Carbohydrate Research</i> , 2020 , 496, 108093	2.9	1
37	Corn silk crude polysaccharide exerts anti-pancreatic cancer activity by blocking the EGFR/PI3K/AKT/CREB signaling pathway. <i>Food and Function</i> , 2020 , 11, 6961-6970	6.1	8
36	Structural elucidation of a glucan from <i>Crataegus pinnatifida</i> and its bioactivity on intestinal bacteria strains. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 435-443	7.9	21
35	Structural characterization of a galactan from <i>Dioscorea opposita</i> Thunb. and its bioactivity on selected <i>Bacteroides</i> strains from human gut microbiota. <i>Carbohydrate Polymers</i> , 2019 , 218, 299-306	10.3	16
34	Isolation and structural characterization of a pectin from <i>Lycium ruthenicum</i> Murr and its anti-pancreatic ductal adenocarcinoma cell activity. <i>Carbohydrate Polymers</i> , 2019 , 223, 115104	10.3	32
33	A galactoglucan isolated from <i>Cistanche deserticola</i> Y. C. Ma. and its bioactivity on intestinal bacteria strains. <i>Carbohydrate Polymers</i> , 2019 , 223, 115038	10.3	14
32	Sulfated polysaccharide JCS1S2 inhibits angiogenesis via targeting VEGFR2/VEGF and blocking VEGFR2/Erk/VEGF signaling. <i>Carbohydrate Polymers</i> , 2019 , 207, 502-509	10.3	18
31	HH1-1, a novel Galectin-3 inhibitor, exerts anti-pancreatic cancer activity by blocking Galectin-3/EGFR/AKT/FOXO3 signaling pathway. <i>Carbohydrate Polymers</i> , 2019 , 204, 111-123	10.3	27
30	Structural characterization of a galactan from <i>Ophiopogon japonicus</i> and anti-pancreatic cancer activity of its acetylated derivative. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 907-915	7.9	11
29	Chemoenzymatically synthesized GM3 analogues as potential therapeutic agents to recover nervous functionality after injury by inducing neurite outgrowth. <i>European Journal of Medicinal Chemistry</i> , 2018 , 146, 613-620	6.8	6
28	Structural elucidation of a pectic polysaccharide from <i>Fructus Mori</i> and its bioactivity on intestinal bacteria strains. <i>Carbohydrate Polymers</i> , 2018 , 186, 168-175	10.3	45
27	Characterization of a pectin from <i>Lonicera japonica</i> Thunb. and its inhibition effect on A β aggregation and promotion of neuritogenesis. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 112-120	7.9	19
26	An arabinogalactan from fruits of <i>Lycium barbarum</i> L. inhibits production and aggregation of A β <i>Carbohydrate Polymers</i> , 2018 , 195, 643-651	10.3	26
25	Structural characterization and anti-A549 lung cancer cells bioactivity of a polysaccharide from <i>Houttuynia cordata</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 288-296	7.9	26
24	A pectin from fruits of <i>Lycium barbarum</i> L. decreases β -amyloid peptide production through modulating APP processing. <i>Carbohydrate Polymers</i> , 2018 , 201, 65-74	10.3	14
23	Structural elucidation and immune-enhancing activity of an arabinogalactan from flowers of <i>Carthamus tinctorius</i> L. <i>Carbohydrate Polymers</i> , 2018 , 202, 134-142	10.3	32
22	Structure analysis of a heteropolysaccharide from fruits of <i>Lycium barbarum</i> L. and anti-angiogenic activity of its sulfated derivative. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 47-55	7.9	21

21	Structure analysis of a novel heteroxylan from the stem of <i>Dendrobium officinale</i> and anti-angiogenesis activities of its sulfated derivative. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 533-542	7.9	25
20	Research advances in the treatment of Alzheimer's disease with polysaccharides from traditional Chinese medicine. <i>Chinese Journal of Natural Medicines</i> , 2017 , 15, 641-652	2.8	11
19	Regioselective protection of xylose for efficient synthesis of arabino- β -1,3-xylosides. <i>Tetrahedron Letters</i> , 2017 , 58, 4293-4295	2	3
18	A Novel Heterogalactan from <i>Antrodia camphorata</i> and Anti-Angiogenic Activity of Its Sulfated Derivative. <i>Polymers</i> , 2017 , 9,	4.5	2
17	A Concise Synthesis of Three Branches Derived from Polysaccharide RN1 and Anti-Pancreatic Cancer Activity Study. <i>Polymers</i> , 2017 , 9,	4.5	1
16	Structural Characterization of Mannoglucan from <i>Dendrobium nobile</i> Lindl and the Neuritogenesis-Induced Effect of Its Acetylated Derivative on PC-12 Cells. <i>Polymers</i> , 2017 , 9,	4.5	9
15	Structural characterization and effect on anti-angiogenic activity of a fucoidan from <i>Sargassum fusiforme</i> . <i>Carbohydrate Polymers</i> , 2016 , 136, 899-907	10.3	89
14	Structural elucidation of a pectin from flowers of <i>Lonicera japonica</i> and its antipancreatic cancer activity. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 130-7	7.9	44
13	A fucoidan from <i>Nemacystus decipiens</i> disrupts angiogenesis through targeting bone morphogenetic protein 4. <i>Carbohydrate Polymers</i> , 2016 , 144, 305-14	10.3	17
12	Sulfated fucoidan FP08S2 inhibits lung cancer cell growth in vivo by disrupting angiogenesis via targeting VEGFR2/VEGF and blocking VEGFR2/Erk/VEGF signaling. <i>Cancer Letters</i> , 2016 , 382, 44-52	9.9	51
11	Structural characterization of a polysaccharide from <i>Chrysanthemum morifolium</i> flowers and its antioxidant activity. <i>Carbohydrate Polymers</i> , 2015 , 130, 113-21	10.3	56
10	Structural elucidation of a polysaccharide from <i>Chrysanthemum morifolium</i> flowers with anti-angiogenic activity. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 674-80	7.9	31
9	Structural and functional study of D-glucuronyl C5-epimerase. <i>Journal of Biological Chemistry</i> , 2015 , 290, 4620-4630	5.4	28
8	An arabinogalactan from flowers of <i>Panax notoginseng</i> inhibits angiogenesis by BMP2/Smad/I κ B signaling. <i>Carbohydrate Polymers</i> , 2015 , 121, 328-35	10.3	48
7	A glucan isolated from flowers of <i>Lonicera japonica</i> Thunb. inhibits aggregation and neurotoxicity of A β 2. <i>Carbohydrate Polymers</i> , 2014 , 110, 142-7	10.3	59
6	A heteropolysaccharide, L-fuco-D-manno-1,6-ID-galactan extracted from <i>Grifola frondosa</i> and antiangiogenic activity of its sulfated derivative. <i>Carbohydrate Polymers</i> , 2014 , 101, 631-41	10.3	34
5	Structure and biological activities of an alginate from <i>Sargassum fusiforme</i> , and its sulfated derivative. <i>International Journal of Biological Macromolecules</i> , 2014 , 69, 252-9	7.9	42
4	Structure and activities of a novel heteroxylan from <i>Cassia obtusifolia</i> seeds and its sulfated derivative. <i>Carbohydrate Research</i> , 2014 , 393, 43-50	2.9	30

3	Proteoglycans and glycosaminoglycans in misfolded proteins formation in Alzheimer's disease. <i>Protein and Peptide Letters</i> , 2014 , 21, 1048-56	1.9	11
2	A polysaccharide, MDG-1, induces S1P1 and bFGF expression and augments survival and angiogenesis in the ischemic heart. <i>Glycobiology</i> , 2010 , 20, 473-84	5.8	32
1	Evaluation of water soluble β -glucan from <i>Auricularia auricular-judae</i> as potential anti-tumor agent. <i>Carbohydrate Polymers</i> , 2010 , 80, 977-983	10.3	71