

Fengshan Wang

List of Publications by Year in descending order

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65
papers

1,542
citations

279798

23
h-index

361022

35
g-index

65
all docs

65
docs citations

65
times ranked

2110
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advance in Tumor-associated Carbohydrate Antigens (TACAs)-based Antitumor Vaccines. ACS Chemical Biology, 2016, 11, 850-863.	3.4	105
2	Î ² -glucans as potential immunoadjuvants: A review on the adjuvanticity, structure-activity relationship and receptor recognition properties. Vaccine, 2018, 36, 5235-5244.	3.8	103
3	Hematopoietic effects and mechanisms of Fufang Ex ³ jiao Jiang on radiotherapy and chemotherapy-induced myelosuppressed mice. Journal of Ethnopharmacology, 2014, 152, 575-584.	4.1	93
4	Reprogramming the enzymatic assembly line for site-specific fucosylation. Nature Catalysis, 2019, 2, 514-522.	34.4	52
5	Enhancing the intestinal absorption of low molecular weight chondroitin sulfate by conjugation with Î±-linolenic acid and the transport mechanism of the conjugates. International Journal of Pharmaceutics, 2014, 465, 143-158.	5.2	50
6	Preparation and in vitro immunomodulatory effect of curdlan sulfate. Carbohydrate Polymers, 2014, 102, 852-861.	10.2	47
7	Chemoenzymatic synthesis of lacto-N-tetrasaccharide and sialyl lacto-N-tetrasaccharides. Carbohydrate Research, 2015, 401, 5-10.	2.3	45
8	Isolation, structural characterization and neurotrophic activity of a polysaccharide from Phellinus ribis. Carbohydrate Polymers, 2015, 127, 145-151.	10.2	43
9	A Novel Hyaluronidase Produced by Bacillus sp. A50. PLoS ONE, 2014, 9, e94156.	2.5	43
10	Effect and mechanisms of curdlan sulfate on inhibiting HBV infection and acting as an HB vaccine adjuvant. Carbohydrate Polymers, 2014, 110, 446-455.	10.2	42
11	Curdlan sulfate–O-linked quaternized chitosan nanoparticles: potential adjuvants to improve the immunogenicity of exogenous antigens via intranasal vaccination. International Journal of Nanomedicine, 2018, Volume 13, 2377-2394.	6.7	37
12	Preparation, antiangiogenic and antitumoral activities of the chemically sulfated glucan from Phellinus ribis. Carbohydrate Polymers, 2014, 106, 42-48.	10.2	36
13	A review of the ligands and related targeting strategies for active targeting of paclitaxel to tumours. Journal of Drug Targeting, 2016, 24, 590-602.	4.4	35
14	Sulfated polysaccharide of Sepiella Maindroni ink inhibits the migration, invasion and matrix metalloproteinase-2 expression through suppressing EGFR-mediated p38/MAPK and PI3K/Akt/mTOR signaling pathways in SKOV-3 cells. International Journal of Biological Macromolecules, 2018, 107, 349-362.	7.5	35
15	Super-resolution quantification of nanoscale damage to mitochondria in live cells. Nano Research, 2020, 13, 2149-2155.	10.4	35
16	The physiological and pathological roles and applications of sialyl Lewis x, a common carbohydrate ligand of the three selectins. Glycoconjugate Journal, 2020, 37, 277-291.	2.7	35
17	Tat PTD“endostatin: A novel anti-angiogenesis protein with ocular barrier permeability via eye-drops. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1140-1149.	2.4	34
18	Preparation of Low Molecular Weight Chondroitin Sulfates, Screening of a High Anti-Complement Capacity of Low Molecular Weight Chondroitin Sulfate and Its Biological Activity Studies in Attenuating Osteoarthritis. International Journal of Molecular Sciences, 2016, 17, 1685.	4.1	33

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19	Amphiphilic self-assembly peptides: Rational strategies to design and delivery for drugs in biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112040.	5.0	31
20	Anti-tumor activity and the mechanism of SIP-S: A sulfated polysaccharide with anti-metastatic effect. <i>Carbohydrate Polymers</i> , 2015, 129, 50-54.	10.2	30
21	Diversity-Oriented Enzymatic Modular Assembly of ABO Histo-blood Group Antigens. <i>ACS Catalysis</i> , 2016, 6, 8140-8144.	11.2	30
22	Chemoenzymatic modular assembly of O-GalNAc glycans for functional glycomics. <i>Nature Communications</i> , 2021, 12, 3573.	12.8	28
23	NahK/GlmU fusion enzyme: characterization and one-step enzymatic synthesis of UDP-N-acetylglucosamine. <i>Biotechnology Letters</i> , 2012, 34, 1321-1326.	2.2	25
24	The conjugation of Cu/Zn superoxide dismutase (SOD) to O-(2-hydroxyl) propyl-3-trimethyl ammonium chitosan chloride (O-HTCC) enhances its therapeutic potential against radiation-induced oxidative damage. <i>Polymer Chemistry</i> , 2016, 7, 1826-1835.	3.9	25
25	<p>A Dual Receptor Targeting- and BBB Penetrating- Peptide Functionalized Polyethyleneimine Nanocomplex for Secretory Endostatin Gene Delivery to Malignant Glioma</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8875-8892.	6.7	24
26	â€œCodingâ€ and â€œDecodingâ€ hypothesis for the regulatory mechanism involved in heparan sulfate biosynthesis. <i>Carbohydrate Research</i> , 2016, 428, 1-7.	2.3	21
27	Therapeutic mechanism of human neural stem cell-derived extracellular vesicles against hypoxia-reperfusion injury in vitro. <i>Life Sciences</i> , 2020, 254, 117772.	4.3	21
28	Inhibition of the IgE-Mediated Activation of RBL-2H3 Cells by TIPP, a Novel Thymic Immunosuppressive Pentapeptide. <i>International Journal of Molecular Sciences</i> , 2015, 16, 2252-2268.	4.1	20
29	Tat PTD-Endostatin-RGD: A novel protein with anti-angiogenesis effect in retina via eye drops. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2137-2147.	2.4	20
30	Hyaluronic acid-endostatin2-alf1 (HA-ES2-AF) nanoparticle-like conjugate for the target treatment of diseases. <i>Journal of Controlled Release</i> , 2018, 288, 1-13.	9.9	20
31	Correlation between the synthesis of pullulan and melanin in <i>Aureobasidium pullulans</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 177, 252-260.	7.5	20
32	The functions and applications of A7R in anti-angiogenic therapy, imaging and drug delivery systems. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 595-608.	9.1	19
33	Preparation and evaluation of the adjuvant effect of curdlan sulfate in improving the efficacy of dendritic cell-based vaccine for antitumor immunotherapy. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 273-284.	7.5	19
34	Effects of the anti-angiogenic carbohydrate-peptide conjugate, chitoooligosaccharide-ES2 on endothelial cells and tumor-bearing mice. <i>Carbohydrate Polymers</i> , 2019, 208, 302-313.	10.2	17
35	Characterization and Secondary Structure Analysis of Endostatin Covalently Modified by Polyethylene Glycol and Low Molecular Weight Heparin. <i>Journal of Biochemistry</i> , 2008, 144, 207-213.	1.7	16
36	Impact of donor binding on polymerization catalyzed by KfoC by regulating the affinity of enzyme for acceptor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 844-855.	2.4	16

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37	Inhibition of EGF-induced migration and invasion by sulfated polysaccharide of <i>Sepiella maindroni</i> ink via the suppression of EGFR/Akt/p38 MAPK/MMP-2 signaling pathway in KB cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 95-102.	5.6	16
38	Curdlan sulfate/O-linked quaternized chitosan nanoparticles acting as potential adjuvants promote multiple arms of immune responses. <i>Carbohydrate Polymers</i> , 2019, 213, 100-111.	10.2	16
39	Identification of anisodamine tablets by Raman and near-infrared spectroscopy with chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 91-97.	3.9	15
40	Enzymatic modular synthesis and microarray assay of poly-N-acetyllactosamine derivatives. <i>Chemical Communications</i> , 2020, 56, 7549-7552.	4.1	15
41	Development of a rapid method for simultaneous separation of hyaluronic acid, chondroitin sulfate, dermatan sulfate and heparin by capillary electrophoresis. <i>Carbohydrate Polymers</i> , 2016, 141, 197-203.	10.2	13
42	Synthesis of unsymmetrical 3,6-branched Man5 oligosaccharide: a comparison between one-pot sequential glycosylation and stepwise synthesis. <i>Carbohydrate Research</i> , 2015, 401, 109-114.	2.3	12
43	Study on the relationships between molecular weights of chondroitin sulfate oligosaccharides and A β -induced oxidative stress and the related mechanisms. <i>Glycobiology</i> , 2021, 31, 492-507.	2.5	12
44	Low molecular weight chondroitin sulfate ameliorates pathological changes in 5XFAD mice by improving various functions in the brain. <i>Neuropharmacology</i> , 2021, 199, 108796.	4.1	12
45	The development of peptide-drug conjugates (PDCs) strategies for paclitaxel. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 147-161.	5.0	11
46	Regioselective One-Pot Benzoylation of Triol and Tetraol Arrays in Carbohydrates. <i>Organic Letters</i> , 2018, 20, 3862-3865.	4.6	10
47	<p>Characterization and bioactivity of self-assembled anti-angiogenic chondroitin sulphate-ES2-AF nanoparticle conjugate<p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2573-2589.	6.7	10
48	Leishmania lipophosphoglycan components: A potent target for synthetic neoglycoproteins as a vaccine candidate for leishmaniasis. <i>Carbohydrate Polymers</i> , 2020, 237, 116120.	10.2	10
49	<i>O</i>-Glycosyl Trichloroacetimidates as Glycosyl Donors and Platinum(IV) Chloride as a Dual Catalyst Permitting Stereo- and Regioselective Glycosidations. <i>ACS Catalysis</i> , 2021, 11, 10279-10287.	11.2	10
50	Enzymatic synthesis of human blood group P1 pentasaccharide antigen. <i>Carbohydrate Research</i> , 2017, 438, 39-43.	2.3	9
51	Effect of α -linolenic acid-modified low molecular weight chondroitin sulfate on atherosclerosis in apoE-deficient mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2589-2597.	2.4	8
52	Probing cleavage promiscuity of heparinase III towards chemoenzymatically synthetic heparan sulfate oligosaccharides. <i>Carbohydrate Polymers</i> , 2017, 173, 276-285.	10.2	8
53	Stability Profiles and Therapeutic Effect of Cu/Zn Superoxide Dismutase Chemically Coupled to O-Quaternary Chitosan Derivatives against Dextran Sodium Sulfate-Induced Colitis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1121.	4.1	8
54	Study of chondroitin sulfate E oligosaccharide as a promising complement C5 inhibitor for osteoarthritis alleviation. <i>Materials Science and Engineering C</i> , 2021, 127, 112234.	7.3	7

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55	A novel pentapeptide originated from calf thymus named TIPP shows an inhibitory effect on lung allergic inflammation. <i>International Immunopharmacology</i> , 2015, 24, 256-266.	3.8	6
56	Simultaneous analysis of heparosan oligosaccharides by isocratic liquid chromatography with charged aerosol detection/mass spectrometry. <i>Carbohydrate Polymers</i> , 2016, 152, 337-342.	10.2	6
57	Improved Stability and Enhanced Anti-Tumor Activity of Hyaluronic Acid Modified ES2-AF Nanoparticle-Like Conjugate. <i>Journal of Biomedical Nanotechnology</i> , 2019, 15, 1781-1791.	1.1	6
58	A randomized controlled trial to compare the efficacy of regenerated and non-regenerated oxidized cellulose gauze for the secondary treatment of local bleeding in patients undergoing hepatic resection. <i>Annals of Surgical Treatment and Research</i> , 2021, 100, 193.	1.0	5
59	High-throughput assays of leloir-glycosyltransferase reactions: The applications of rYND1 in glycotechnology. <i>Journal of Biotechnology</i> , 2016, 227, 10-18.	3.8	4
60	Divergent Synthesis of Core m1, Core m2 and Core m3 α -Mannosyl Glycopeptides via a Chemoenzymatic Approach. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1571-1577.	4.9	3
61	Improve Stability of Bioactive Peptides by Enzymatic Modular Synthesis of Peptides with α -Linked Sialyl Lewis x. <i>ACS Catalysis</i> , 2021, 11, 8042-8048.	11.2	2
62	Heparan sulfate from porcine mucosa promotes amyloid-beta clearance in APP/PS1 mice and alleviates Alzheimer's pathology. <i>Carbohydrate Polymers</i> , 2022, 285, 119205.	10.2	2
63	Chemoenzymatic synthesis of tumor-associated antigen N3 minor octasaccharide. <i>Journal of Carbohydrate Chemistry</i> , 2016, 35, 412-422.	1.1	1
64	Thymic Immunosuppressive Pentapeptide (TIPP) Showed Anticancer Activity in Breast Cancer and Chronic Myeloid Leukemia Both In Vitro and In Vivo. <i>Protein and Peptide Letters</i> , 2021, 28, .	0.9	0
65	Effects of heparan sulfate from porcine mucosa on A β ²¹⁻⁴² -induced neurotoxicity in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 823-836.	7.5	0