

# 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	The development of peptide-drug conjugates (PDCs) strategies for paclitaxel. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 147-161.	5.0	11
2	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
3	Effects of heparan sulfate from porcine mucosa on A $\beta$ 21-42-induced neurotoxicity in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 823-836.	7.5	0
4	Divergent Synthesis of Core m1, Core m2 and Core m3 $\alpha$ -Mannosyl Glycopeptides via a Chemoenzymatic Approach. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1571-1577.	4.9	3
5	Study on the relationships between molecular weights of chondroitin sulfate oligosaccharides and A $\beta$ 2-induced oxidative stress and the related mechanisms. <i>Glycobiology</i> , 2021, 31, 492-507.	2.5	12
6	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
7	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
8	Chemoenzymatic modular assembly of O-GalNAc glycans for functional glycomics. <i>Nature Communications</i> , 2021, 12, 3573.	12.8	28
9	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
10	Improve Stability of Bioactive Peptides by Enzymatic Modular Synthesis of Peptides with <i>O</i> -Linked Sialyl Lewis x. <i>ACS Catalysis</i> , 2021, 11, 8042-8048.	11.2	2
11	<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
12	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
13	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
14	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
15	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
16	&lt;p&gt;A Dual Receptor Targeting- and BBB Penetrating- Peptide Functionalized Polyethyleneimine Nanocomplex for Secretory Endostatin Gene Delivery to Malignant Glioma&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8875-8892.	6.7	24
17	Super-resolution quantification of nanoscale damage to mitochondria in live cells. <i>Nano Research</i> , 2020, 13, 2149-2155.	10.4	35
18	Enzymatic modular synthesis and microarray assay of poly- <i>N</i> -acetylactosamine derivatives. <i>Chemical Communications</i> , 2020, 56, 7549-7552.	4.1	15

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19	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
20	The physiological and pathological roles and applications of sialyl Lewis x, a common carbohydrate ligand of the three selectins. <i>Glycoconjugate Journal</i> , 2020, 37, 277-291.	2.7	35
21	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
22	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
23	Reprogramming the enzymatic assembly line for site-specific fucosylation. <i>Nature Catalysis</i> , 2019, 2, 514-522.	34.4	52
24	&lt;p&gt;Characterization and bioactivity of self-assembled anti-angiogenic chondroitin sulphate-ES2-AF nanoparticle conjugate&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2573-2589.	6.7	10
25	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
26	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
27	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
28	Sulfated polysaccharide of <i>Sepiella Maindroni</i> 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. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 349-362.	7.5	35
29	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
30	Regioselective One-Pot Benzoylation of Triol and Tetraol Arrays in Carbohydrates. <i>Organic Letters</i> , 2018, 20, 3862-3865.	4.6	10
31	Î <sup>2</sup> -glucans as potential immunoadjuvants: A review on the adjuvanticity, structure-activity relationship and receptor recognition properties. <i>Vaccine</i> , 2018, 36, 5235-5244.	3.8	103
32	Curdlan sulfate&amp;ndash;&lt;em&gt;O&lt;/em&gt;-linked quaternized chitosan nanoparticles: potential adjuvants to improve the immunogenicity of exogenous antigens via intranasal vaccination. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2377-2394.	6.7	37
33	Probing cleavage promiscuity of heparinase III towards chemoenzymatically synthetic heparan sulfate oligosaccharides. <i>Carbohydrate Polymers</i> , 2017, 173, 276-285.	10.2	8
34	Enzymatic synthesis of human blood group P1 pentasaccharide antigen. <i>Carbohydrate Research</i> , 2017, 438, 39-43.	2.3	9
35	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
36	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

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37	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. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1685.	4.1	33
38	Chemoenzymatic synthesis of tumor-associated antigen N3 minor octasaccharide. <i>Journal of Carbohydrate Chemistry</i> , 2016, 35, 412-422.	1.1	1
39	High-throughput assays of leloir-glycosyltransferase reactions: The applications of rYND1 in glycotecchnology. <i>Journal of Biotechnology</i> , 2016, 227, 10-18.	3.8	4
40	“Coding” and “Decoding” hypothesis for the regulatory mechanism involved in heparan sulfate biosynthesis. <i>Carbohydrate Research</i> , 2016, 428, 1-7.	2.3	21
41	Effect of $\pm$ -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
42	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
43	Diversity-Oriented Enzymatic Modular Assembly of ABO Histo-blood Group Antigens. <i>ACS Catalysis</i> , 2016, 6, 8140-8144.	11.2	30
44	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
45	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
46	Recent Advance in Tumor-associated Carbohydrate Antigens (TACAs)-based Antitumor Vaccines. <i>ACS Chemical Biology</i> , 2016, 11, 850-863.	3.4	105
47	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
48	A review of the ligands and related targeting strategies for active targeting of paclitaxel to tumours. <i>Journal of Drug Targeting</i> , 2016, 24, 590-602.	4.4	35
49	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
50	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
51	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
52	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
53	Tat PTD“endostatin: A novel anti-angiogenesis protein with ocular barrier permeability via eye-drops. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1140-1149.	2.4	34
54	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

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55	Isolation, structural characterization and neurotrophic activity of a polysaccharide from <i>Phellinus ribis</i> . <i>Carbohydrate Polymers</i> , 2015, 127, 145-151.	10.2	43
56	Chemoenzymatic synthesis of lacto-N-tetrasaccharide and sialyl lacto-N-tetrasaccharides. <i>Carbohydrate Research</i> , 2015, 401, 5-10.	2.3	45
57	Effect and mechanisms of curdlan sulfate on inhibiting HBV infection and acting as an HB vaccine adjuvant. <i>Carbohydrate Polymers</i> , 2014, 110, 446-455.	10.2	42
58	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
59	Preparation and in vitro immunomodulatory effect of curdlan sulfate. <i>Carbohydrate Polymers</i> , 2014, 102, 852-861.	10.2	47
60	Enhancing the intestinal absorption of low molecular weight chondroitin sulfate by conjugation with $\Gamma$ -linolenic acid and the transport mechanism of the conjugates. <i>International Journal of Pharmaceutics</i> , 2014, 465, 143-158.	5.2	50
61	Preparation, antiangiogenic and antitumoral activities of the chemically sulfated glucan from <i>Phellinus ribis</i> . <i>Carbohydrate Polymers</i> , 2014, 106, 42-48.	10.2	36
62	Hematopoietic effects and mechanisms of Fufang Ex <sup>3</sup> jiao Jiang on radiotherapy and chemotherapy-induced myelosuppressed mice. <i>Journal of Ethnopharmacology</i> , 2014, 152, 575-584.	4.1	93
63	A Novel Hyaluronidase Produced by <i>Bacillus</i> sp. A50. <i>PLoS ONE</i> , 2014, 9, e94156.	2.5	43
64	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
65	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