Xiaohui Hou

List of Publications by Year
in descending order

35 papers	787 citations	471509 17 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	1030 citing authors

#	Article	IF	Citations
1	Structural characterization and antitumor activity of a pectic polysaccharide from Codonopsis pilosula. Carbohydrate Polymers, 2013, 98, 886-895.	10.2	98
2	Investigate electrochemical immunosensor of cortisol based on gold nanoparticles/magnetic functionalized reduced graphene oxide. Biosensors and Bioelectronics, 2017, 88, 55-62.	10.1	96
3	Electrochemically reduced graphene oxide-based electrochemical sensor for the sensitive determination of ferulic acid in A. sinensis and biological samples. Materials Science and Engineering C, 2014, 42, 227-233.	7.3	53
4	Porous graphene-black phosphorus nanocomposite modified electrode for detection of leptin. Biosensors and Bioelectronics, 2019, 137, 88-95.	10.1	52
5	Cytotoxicity of two water-soluble polysaccharides from Codonopsis pilosula Nannf. var. modesta (Nannf.) L.T.Shen against human hepatocellular carcinoma HepG2 cells and its mechanism. International Journal of Biological Macromolecules, 2018, 120, 1544-1550.	7.5	50
6	Structural characterization of a pectic polysaccharide from Codonopsis pilosula and its immunomodulatory activities in vivo and in vitro. International Journal of Biological Macromolecules, 2017, 104, 1359-1369.	7.5	47
7	The metabolic effect of gut microbiota on drugs. Drug Metabolism Reviews, 2020, 52, 139-156.	3.6	44
8	Optimization of selenylation conditions for a pectic polysaccharide and its structural characteristic. International Journal of Biological Macromolecules, 2014, 69, 244-251.	7.5	39
9	UPLC-MS/MS determination and gender-related pharmacokinetic study of five active ingredients in rat plasma after oral administration of Eucommia cortex extract. Journal of Ethnopharmacology, 2015, 169, 145-155.	4.1	27
10	Development of a sensitive electrochemical immunosensor using polyaniline functionalized graphene quantum dots for detecting a depression marker. Materials Science and Engineering C, 2020, 111, 110797.	7.3	26
11	Heparin-Coated Photosensitive Metalâ€“Organic Frameworks as Drug Delivery Nanoplatforms of Autophagy Inhibitors for Sensitized Photodynamic Therapy against Breast Cancer. ACS Applied Materials & Interfaces, 2021, 13, 55577-55590.	8.0	25
12	Structural characterization of a sulfated glucan isolated from the aqueous extract of Hedysarum polybotrys Hand.-Mazz. Carbohydrate Polymers, 2012, 87, 160-169.	10.2	23
13	Pharmacokinetics and tissue distribution of five active ingredients of Eucommiae cortex in normal and ovariectomized mice by UHPLC-MS/MS. Xenobiotica, 2016, 46, 793-804.	1.1	22
14	Direct electrochemistry and electrocatalysis of lobetyolin via magnetic functionalized reduced graphene oxide film fabricated electrochemical sensor. Materials Science and Engineering C, 2017, 74, 515-524.	7.3	22
15	A novel electrochemical immunosensor for the highly sensitive and selective detection of the depression marker human apolipoprotein A4. Bioelectrochemistry, 2020, 135, 107542.	4.6	22
16	A novel electrochemical immunosensor based on PG for early screening of depression markers-heat shock protein 70. Biosensors and Bioelectronics, 2018, 111, 34-40.	10.1	20
17	Isolation, characterization and immunomodulatory activity of oligosaccharides from Codonopsis pilosula. Journal of Functional Foods, 2020, 72, 104070.	3.4	19
18	Echinacoside exerts anti-tumor activity via the miR-503-3p/TGF-Î²1/Smad aixs in liver cancer. Cancer Cell International, 2021, 21, 304.	4.1	15

#	Article	IF	Citations
19	Protections of bovine serum albumin protein from damage on functionalized graphene-based electrodes by flavonoids. Materials Science and Engineering C, 2016, 62, 197-205.	7.3	10
20	Toxic and active material basis of Aconitum sinomontanum Nakai based on biological activity guidance and UPLC-Q/TOF-MS technology. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113374.	2.8	10
21	Codonopsis pilosula oligosaccharides modulate the gut microbiota and change serum metabolomic profiles in high-fat diet-induced obese mice. Food and Function, 2022, 13, 8143-8157.	4.6	10
22	Activation of Intrinsic Apoptotic Signaling Pathway in A549 Cell by a Pectin Polysaccharide Isolated from Codonopsis pilosula and Its Selenized Derivative. Journal of Carbohydrate Chemistry, 2015, 34, 475-489.	1.1	8
23	Identification of antiâ€inflammatory active ingredients from Tumuxiang by ultraâ€performance liquid chromatography/quadrupole timeâ€ofâ€flightâ€MS^E. Biomedical Chromatography, 2018, 32, e4179.	1.7	7
24	Labelâ€free Electrochemical Immunosensor for Sensitive Detection of Rheumatoid Arthritis Biomarker Antiâ€CCPâ€ab. Electroanalysis, 2022, 34, 761-771.	2.9	7
25	Metabolism of vesatolimod in rat, dog, and human liver microsomes: Metabolic stability assessment, metabolite identification, and interspecies comparison. Drug Testing and Analysis, 2019, 11, 240-249.	2.6	6
26	A monitoring survey and health risk assessment for pesticide residues on Codonopsis Radix in China. Scientific Reports, 2022, 12, 8133.	3.3	6
27	Quality evaluation of Codonopsis Radix and processed products based on the analysis of monosaccharides and oligosaccharides by liquid chromatography coupled with charged aerosol detector. Phytochemical Analysis, 2022, 33, 262-271.	2.4	4
28	Traditional processing, uses, phytochemistry, pharmacology and toxicology of Aconitum sinomontanum Nakai: A comprehensive review. Journal of Ethnopharmacology, 2022, 293, 115317.	4.1	4
29	Analysis and Health Risk Assessment of Potentially Toxic Elements in Three Codonopsis Radix Varieties in China. Biological Trace Element Research, 2022, 200, 2475-2485.	3.5	3
30	Intra-regional classification of Codonopsis Radix produced in Gansu province (China) by multi-elemental analysis and chemometric tools. Scientific Reports, 2022, 12, .	3.3	3
31	Proteomics and Metabolomics Unveil Codonopsis pilosula (Franch.) Nannf. Ameliorates Gastric Precancerous Lesions via Regulating Energy Metabolism. Frontiers in Pharmacology, 0, 13, .	3.5	3
32	Development of High Performance Liquid Chromatography Method for Costunolide and Dehydrocostuslactone in Mice Plasma and Tissues: Application to Pharmacokinetic Study. Chinese Journal of Chemistry, 2010, 28, 2293-2300.	4.9	2
33	Interventional effect of Codonopsis pilosula oligosaccharides against <scp>d</scp>-galactose-induced aging in SD rats via suppression of oxidative stress, inflammation, and apoptosis. Journal of Carbohydrate Chemistry, 2021, 40, 115-134.	1.1	2
34	Electrochemical immunoÂdetermination of connective tissue growth factor levels on nitrogen-doped graphene. Mikrochimica Acta, 2022, 189, 187.	5.0	1
35	Molecularly imprinted flexible sensor based on nitrogen-doped graphene for selective determination of formononetin. Journal of Pharmaceutical and Biomedical Analysis, 2022, 217, 114805.	2.8	1