Xiuhua Liu

List of Publications by Year
in descending order

57	1,737	279798 23	302126 39
papers	citations	h-index	g-index

57	57	57	2323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antidiabetic activity of silver nanoparticles from green synthesis using Lonicera japonica leaf extract. RSC Advances, 2016, 6, 40162-40168.	3.6	149
2	On-off-on fluorescent carbon dots from waste tea: Their properties, antioxidant and selective detection of CrO42â¯, Fe3+, ascorbic acid and L-cysteine in real samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 228-234.	3.9	101
3	Analysis of flavors and fragrances by HPLC with Fe 3 O 4 @GO magnetic nanocomposite as the adsorbent. Talanta, 2017, 166, 262-267.	5.5	84
4	The siRNAsome: A Cationâ€Free and Versatile Nanostructure for siRNA and Drug Coâ€delivery. Angewandte Chemie - International Edition, 2019, 58, 4938-4942.	13.8	73
5	Rheological properties of polysaccharides from Dioscorea opposita Thunb.. Food Chemistry, 2017, 227, 64-72.	8.2	70
6	Green synthesis of silver nanoparticles by waste tea extract and degradation of organic dye in the absence and presence of H2O2. Applied Surface Science, 2017, 423, 1019-1024.	6.1	69
7	Electrochemical detection of tyramine with ITO/APTES/ErGO electrode and its application in real sample analysis. Biosensors and Bioelectronics, 2018, 108, 76-81.	10.1	67
8	Characterization and antibacterial activity of edible films based on carboxymethyl cellulose, Dioscorea opposita mucilage, glycerol and ZnO nanoparticles. Food Chemistry, 2021, 349, 129208.	8.2	61
9	Characterisation of the mucilage polysaccharides from Dioscorea opposita Thunb. with enzymatic hydrolysis. Food Chemistry, 2018, 245, 13-21.	8.2	58
10	A glassy carbon electrode modified with a composite consisting of gold nanoparticle, reduced graphene oxide and poly(L-arginine) for simultaneous voltammetric determination of dopamine, serotonin and L-tryptophan. Mikrochimica Acta, 2018, 185, 439.	5.0	57
11	Enhanced molecular imprinted electrochemical sensor based on zeolitic imidazolate framework/reduced graphene oxide for highly recognition of rutin. Analytica Chimica Acta, 2020, 1106, 103-114.	5.4	56
12	A sensitive and reliable rutin electrochemical sensor based on palladium phthalocyanine-MWCNTs-Nafion nanocomposite. Journal of Solid State Electrochemistry, 2017, 21, 1219-1228.	2.5	54
13	Cu2+-doped carbon dots as fluorescence probe for specific recognition of Cr(VI) and its antimicrobial activity. Microchemical Journal, 2020, 152, 104262.	4.5	52
14	Chemical components and emulsification properties of mucilage from Dioscorea opposita Thunb. Food Chemistry, 2017, 228, 315-322.	8.2	49
15	Ultra-sensitive electrochemical detection of oxidative stress biomarker 8-hydroxy-2â€²-deoxyguanosine with poly (L-arginine)/graphene wrapped Au nanoparticles modified electrode. Biosensors and Bioelectronics, 2018, 117, 508-514.	10.1	46
16	Preparation and Characterization of Copolymer Micelles for the Solubilization and In Vitro Release of Luteolin and Luteoloside. AAPS PharmSciTech, 2017, 18, 2095-2101.	3.3	39
17	The role of selenium vacancies in the enhancement of electrocatalytic activity of CoNiSe2 for the oxygen evolution reaction. Journal of Power Sources, 2021, 514, 230596.	7.8	39
18	Spectroscopic and molecular modeling methods to investigate the interaction between 5-Hydroxymethyl-2-furfural and calf thymus DNA using ethidium bromide as a probe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 78-83.	3.9	33

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19	Platinum-containing compound platinum pyrithione is stronger and safer than cisplatin in cancer therapy. Biochemical Pharmacology, 2016, 116, 22-38.	4.4	33
20	Detection of estradiol at an electrochemical immunosensor with a Cu UPD | DTBPâ€“Protein G scaffold. Biosensors and Bioelectronics, 2012, 35, 56-62.	10.1	31
21	Preparation and characterization of D. opposita Thunb polysaccharide-zinc inclusion complex and evaluation of anti-diabetic activities. International Journal of Biological Macromolecules, 2019, 121, 1029-1036.	7.5	31
22	Physical properties of mucilage polysaccharides from Dioscorea opposita Thunb. Food Chemistry, 2020, 311, 126039.	8.2	31
23	Preparation and characterization of edible films composed of Dioscorea opposita Thunb. mucilage and starch. Polymer Testing, 2020, 90, 106708.	4.8	28
24	Repurposing an antidandruff agent to treating cancer: zinc pyrithione inhibits tumor growth via targeting proteasome-associated deubiquitinases. Oncotarget, 2017, 8, 13942-13956.	1.8	25
25	Emulsification properties of polysaccharides from Dioscorea opposita Thunb.. Food Chemistry, 2017, 221, 919-925.	8.2	24
26	Reduced Graphene Oxide-Conjugated Urchin-Like NiCo₂O₄Nanostructures for Individual Detection ofo-Nitro andp-Amino Phenol. ACS Omega, 2019, 4, 11433-11439.	3.5	24
27	The siRNAsome: A Cationâ€Free and Versatile Nanostructure for siRNA and Drug Coâ€delivery. Angewandte Chemie, 2019, 131, 4992-4996.	2.0	20
28	Characterization and antibacterial properties of biodegradable films based on CMC, mucilage from Dioscorea opposita Thunb. and Ag nanoparticles. International Journal of Biological Macromolecules, 2020, 163, 2189-2198.	7.5	20
29	Electrochemical Detection of Melamine by Using Reduced Graphene Oxideâ€“Copper Nanoflowers Modified Glassy Carbon Electrode. ACS Omega, 2019, 4, 20324-20329.	3.5	19
30	Oil-in-water emulsions prepared using high-pressure homogenisation with Dioscorea opposita mucilage and food-grade polysaccharides: guar gum, xanthan gum, and pectin. LWT - Food Science and Technology, 2022, 162, 113468.	5.2	19
31	Characterisation comparison of polysaccharides from Dioscorea opposita Thunb. growing in sandy soil, loessial soil and continuous cropping. International Journal of Biological Macromolecules, 2019, 126, 776-785.	7.5	18
32	Investigation of the interaction of 2,4-dimethoxy-6,7-dihydroxyphenanthrene with Î±-glucosidase using inhibition kinetics, CD, FT-IR and molecular docking methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 13-18.	3.9	17
33	A novel zinc complex with antibacterial and antioxidant activity. BMC Chemistry, 2021, 15, 17.	3.8	16
34	Ensemble of carbon fiber ultra-microelectrodes modified with nanotubes, and its application to the determination of dopamine. Mikrochimica Acta, 2008, 160, 227-231.	5.0	15
35	A Colorimetric Enzyme-Linked Immunosorbent Assay with CuO Nanoparticles as Signal Labels Based on the Growth of Gold Nanoparticles In Situ. Nanomaterials, 2019, 9, 4.	4.1	15
36	Facile synthesis of mPEG-luteolin-capped silver nanoparticles with antimicrobial activity and cytotoxicity to neuroblastoma SK-N-SH cells. Colloids and Surfaces B: Biointerfaces, 2017, 160, 390-394.	5.0	14

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37	Molecularly Imprinting Polymers (MIP) Based on Nitrogen Doped Carbon Dots and MIL-101(Fe) for Doxorubicin Hydrochloride Delivery. Nanomaterials, 2020, 10, 1655.	4.1	14
38	Effects of concentrations, temperature, pH and co-solutes on the rheological properties of mucilage from Dioscorea opposita Thunb. and its antioxidant activity. Food Chemistry, 2021, 360, 130022.	8.2	13
39	Hydrogels generated by low-molecular-weight PEGylated luteolin and Î±-cyclodextrin through self-assembly for 5-fluorouracil delivery. RSC Advances, 2016, 6, 95812-95817.	3.6	12
40	Role of Nanostructured Photoanode and Counter Electrode on Efficiency Enhancement of DSSCs. Journal of Electronic Materials, 2019, 48, 4148-4165.	2.2	12
41	Single-labeled peptide substrates for detection of protease activity based on the inherent fluorescence quenching ability of Cu2+. Analytical Methods, 2019, 11, 1248-1253.	2.7	11
42	Development of an on-line immobilized Î±-glucosidase microreactor coupled to liquid chromatography for screening of Î±-glucosidase inhibitors. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 113047.	2.8	11
43	Online coupling Fe3O4@ZIF-67@Î±-glucosidase biomicroreactor with high performance liquid chromatography for rapid screening of Î±-glucosidase inhibitors in tea and their inhibitory activity research. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1159, 122398.	2.3	11
44	Synthesis and characterization of PEDOT-MC decorated AgNPs for voltammetric detection of rutin in real samples. Journal of Electroanalytical Chemistry, 2020, 877, 114632.	3.8	11
45	Drug delivery system and in vitro release of luteolin based on magnetic nanocomposite (Fe) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.3	10
46	Characterization of a Novel Polysaccharide-Iron(III) Complex and Its Anti-Anemia and Nonspecific Immune Regulating Activities. Mini-Reviews in Medicinal Chemistry, 2017, 17, 1677-1683.	2.4	10
47	Preparation of TiO 2 nanosheet-carbon nanotube composite as immobilization platform for both primary and secondary antibodies in electrochemical immunoassay. Analytica Chimica Acta, 2016, 946, 40-47.	5.4	8
48	Rapidly screening of Î±-glucosidase inhibitors from Dioscorea opposita Thunb. peel based on rGO@Fe₃O₄ nanocomposites microreactor. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1335-1342.	5.2	8
49	Variation in contents of active components and antibacterial activity in different parts of Lonicera japonica Thunb. Asian Biomedicine, 2020, 14, 19-26.	0.3	8
50	Facile Preparation of Fluorescent Carbon Dots from Glutathione and <scp>l</scp>-Tryptophan for Sensitive and Selective Off/On Detection of Fe³⁺ Ions in Serum and Their Bioimaging Application. ACS Omega, 2022, 7, 7853-7864.	3.5	8
51	Investigation of the interaction of batatasin derivatives with human serum albumin using voltammetric and spectroscopic methods. RSC Advances, 2016, 6, 36281-36292.	3.6	7
52	Sensitive Detection of Rifampicin Based on Au-Carbon Nanocomposite. Journal of Nanoscience and Nanotechnology, 2018, 18, 62-67.	0.9	5
53	Effect of surface properties on the electrochemical response of cynarin by electro-synthesized functionalized-polybithiophene/MWCNT/GNP. Materials Science and Engineering C, 2020, 114, 111067.	7.3	5
54	A Water-Soluble Polyacid Polymer Based on Hydrophilic Metalâ€“Organic Frameworks Using Amphoteric Carboxylic Acid Ligands as Linkers for Hydroxycamptothecin Loading and Release In Vitro. Nanomaterials, 2021, 11, 2854.	4.1	5

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55	Determination of chloroacetic acids in water by capillary zone electrophoresis with field-amplified sample injection. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 59-64.	1.0	4
56	Beneficial protective effects of 2-allyl amino 4-methyl sulfanyl butyric acid on glucose metabolism and glycoprotein components in streptozotocin induced diabetic rats with molecular modeling. Toxicology Research, 2016, 5, 399-406.	2.1	4
57	Molecular spectroscopic insight into the binding of batatasin V isomers to human serum albumin. Spectroscopy Letters, 2017, 50, 275-284.	1.0	3