

Xiuhua Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/936965/publications.pdf>

Version: 2024-02-01

57
papers

1,737
citations

279798

23
h-index

302126

39
g-index

57
all docs

57
docs citations

57
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Preparation of Fluorescent Carbon Dots from Glutathione and L-Tryptophan for Sensitive and Selective Off/On Detection of Fe ³⁺ Ions in Serum and Their Bioimaging Application. <i>ACS Omega</i> , 2022, 7, 7853-7864.	3.5	8
2	Oil-in-water emulsions prepared using high-pressure homogenisation with <i>Dioscorea opposita</i> mucilage and food-grade polysaccharides: guar gum, xanthan gum, and pectin. <i>LWT - Food Science and Technology</i> , 2022, 162, 113468.	5.2	19
3	A novel zinc complex with antibacterial and antioxidant activity. <i>BMC Chemistry</i> , 2021, 15, 17.	3.8	16
4	Characterization and antibacterial activity of edible films based on carboxymethyl cellulose, <i>Dioscorea opposita</i> mucilage, glycerol and ZnO nanoparticles. <i>Food Chemistry</i> , 2021, 349, 129208.	8.2	61
5	Effects of concentrations, temperature, pH and co-solutes on the rheological properties of mucilage from <i>Dioscorea opposita</i> Thunb. and its antioxidant activity. <i>Food Chemistry</i> , 2021, 360, 130022.	8.2	13
6	The role of selenium vacancies in the enhancement of electrocatalytic activity of CoNiSe ₂ for the oxygen evolution reaction. <i>Journal of Power Sources</i> , 2021, 514, 230596.	7.8	39
7	A Water-Soluble Polyacid Polymer Based on Hydrophilic Metal-Organic Frameworks Using Amphoteric Carboxylic Acid Ligands as Linkers for Hydroxycamptothecin Loading and Release In Vitro. <i>Nanomaterials</i> , 2021, 11, 2854.	4.1	5
8	Cu ²⁺ -doped carbon dots as fluorescence probe for specific recognition of Cr(VI) and its antimicrobial activity. <i>Microchemical Journal</i> , 2020, 152, 104262.	4.5	52
9	Development of an on-line immobilized α-glucosidase microreactor coupled to liquid chromatography for screening of α-glucosidase inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113047.	2.8	11
10	Physical properties of mucilage polysaccharides from <i>Dioscorea opposita</i> Thunb. <i>Food Chemistry</i> , 2020, 311, 126039.	8.2	31
11	Online coupling Fe ₃ O ₄ @ZIF-67@α-glucosidase bioreactor with high performance liquid chromatography for rapid screening of α-glucosidase inhibitors in tea and their inhibitory activity research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1159, 122398.	2.3	11
12	Characterization and antibacterial properties of biodegradable films based on CMC, mucilage from <i>Dioscorea opposita</i> Thunb. and Ag nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 2189-2198.	7.5	20
13	Synthesis and characterization of PEDOT-MC decorated AgNPs for voltammetric detection of rutin in real samples. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114632.	3.8	11
14	Molecularly Imprinting Polymers (MIP) Based on Nitrogen Doped Carbon Dots and MIL-101(Fe) for Doxorubicin Hydrochloride Delivery. <i>Nanomaterials</i> , 2020, 10, 1655.	4.1	14
15	Effect of surface properties on the electrochemical response of cynarin by electro-synthesized functionalized-polybithiophene/MWCNT/GNP. <i>Materials Science and Engineering C</i> , 2020, 114, 111067.	7.3	5
16	Preparation and characterization of edible films composed of <i>Dioscorea opposita</i> Thunb. mucilage and starch. <i>Polymer Testing</i> , 2020, 90, 106708.	4.8	28
17	Enhanced molecular imprinted electrochemical sensor based on zeolitic imidazolate framework/reduced graphene oxide for highly recognition of rutin. <i>Analytica Chimica Acta</i> , 2020, 1106, 103-114.	5.4	56
18	Drug delivery system and in vitro release of luteolin based on magnetic nanocomposite (Fe ₃ O ₄ @MIL-101(Fe)) for the delivery of luteolin. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 1067-1078.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Variation in contents of active components and antibacterial activity in different parts of <i>Lonicera japonica</i> Thunb. <i>Asian Biomedicine</i> , 2020, 14, 19-26.	0.3	8
20	Reduced Graphene Oxide-Conjugated Urchin-Like NiCo ₂ O ₄ Nanostructures for Individual Detection of <i>o</i> -Nitro and <i>p</i> -Amino Phenol. <i>ACS Omega</i> , 2019, 4, 11433-11439.	3.5	24
21	On-off-on fluorescent carbon dots from waste tea: Their properties, antioxidant and selective detection of CrO ₄ ²⁻ , Fe ³⁺ , ascorbic acid and L-cysteine in real samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 228-234.	3.9	101
22	Single-labeled peptide substrates for detection of protease activity based on the inherent fluorescence quenching ability of Cu ²⁺ . <i>Analytical Methods</i> , 2019, 11, 1248-1253.	2.7	11
23	Characterisation comparison of polysaccharides from <i>Dioscorea opposita</i> Thunb. growing in sandy soil, loessial soil and continuous cropping. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 776-785.	7.5	18
24	Role of Nanostructured Photoanode and Counter Electrode on Efficiency Enhancement of DSSCs. <i>Journal of Electronic Materials</i> , 2019, 48, 4148-4165.	2.2	12
25	The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie</i> , 2019, 131, 4992-4996.	2.0	20
26	The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4938-4942.	13.8	73
27	Electrochemical Detection of Melamine by Using Reduced Graphene Oxide-Copper Nanoflowers Modified Glassy Carbon Electrode. <i>ACS Omega</i> , 2019, 4, 20324-20329.	3.5	19
28	A Colorimetric Enzyme-Linked Immunosorbent Assay with CuO Nanoparticles as Signal Labels Based on the Growth of Gold Nanoparticles In Situ. <i>Nanomaterials</i> , 2019, 9, 4.	4.1	15
29	Preparation and characterization of <i>D. opposita</i> Thunb polysaccharide-zinc inclusion complex and evaluation of anti-diabetic activities. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1029-1036.	7.5	31
30	Electrochemical detection of tyramine with ITO/APTES/ErGO electrode and its application in real sample analysis. <i>Biosensors and Bioelectronics</i> , 2018, 108, 76-81.	10.1	67
31	Characterisation of the mucilage polysaccharides from <i>Dioscorea opposita</i> Thunb. with enzymatic hydrolysis. <i>Food Chemistry</i> , 2018, 245, 13-21.	8.2	58
32	Rapidly screening of α -glucosidase inhibitors from <i>Dioscorea opposita</i> Thunb. peel based on rGO@Fe ₃ O ₄ nanocomposites microreactor. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1335-1342.	5.2	8
33	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. <i>Mikrochimica Acta</i> , 2018, 185, 439.	5.0	57
34	Investigation of the interaction of 2,4-dimethoxy-6,7-dihydroxyphenanthrene with α -glucosidase using inhibition kinetics, CD, FT-IR and molecular docking methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 13-18.	3.9	17
35	Ultra-sensitive electrochemical detection of oxidative stress biomarker 8-hydroxy-2'-deoxyguanosine with poly(L-arginine)/graphene wrapped Au nanoparticles modified electrode. <i>Biosensors and Bioelectronics</i> , 2018, 117, 508-514.	10.1	46
36	Sensitive Detection of Rifampicin Based on Au-Carbon Nanocomposite. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 62-67.	0.9	5

#	ARTICLE	IF	CITATIONS
37	Rheological properties of polysaccharides from <i>Dioscorea opposita</i> Thunb.. Food Chemistry, 2017, 227, 64-72.	8.2	70
38	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
39	Chemical components and emulsification properties of mucilage from <i>Dioscorea opposita</i> Thunb. Food Chemistry, 2017, 228, 315-322.	8.2	49
40	Molecular spectroscopic insight into the binding of batatasin V isomers to human serum albumin. Spectroscopy Letters, 2017, 50, 275-284.	1.0	3
41	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
42	Emulsification properties of polysaccharides from <i>Dioscorea opposita</i> Thunb.. Food Chemistry, 2017, 221, 919-925.	8.2	24
43	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
44	Green synthesis of silver nanoparticles by waste tea extract and degradation of organic dye in the absence and presence of H ₂ O ₂ . Applied Surface Science, 2017, 423, 1019-1024.	6.1	69
45	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
46	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
47	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
48	Platinum-containing compound platinum pyrithione is stronger and safer than cisplatin in cancer therapy. Biochemical Pharmacology, 2016, 116, 22-38.	4.4	33
49	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
50	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
51	Antidiabetic activity of silver nanoparticles from green synthesis using <i>Lonicera japonica</i> leaf extract. RSC Advances, 2016, 6, 40162-40168.	3.6	149
52	Hydrogels generated by low-molecular-weight PEGylated luteolin and β -cyclodextrin through self-assembly for 5-fluorouracil delivery. RSC Advances, 2016, 6, 95812-95817.	3.6	12
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Spectroscopic and molecular modeling methods to investigate the interaction between 5-Hydroxymethyl-2-furfural and calf thymus DNA using ethidium bromide as a probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 78-83.	3.9	33
56	Detection of estradiol at an electrochemical immunosensor with a Cu UPD DTBPâ€“Protein G scaffold. <i>Biosensors and Bioelectronics</i> , 2012, 35, 56-62.	10.1	31
57	Ensemble of carbon fiber ultra-microelectrodes modified with nanotubes, and its application to the determination of dopamine. <i>Mikrochimica Acta</i> , 2008, 160, 227-231.	5.0	15