

# Lixin Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/573022/publications.pdf>

Version: 2024-02-01

58  
papers

842  
citations

516710

16  
h-index

526287

27  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic effects of heavy metals Pb and Cd on mulberry ( <i>Morus alba</i> L.) seedling leaves: Photosynthetic function and reactive oxygen species (ROS) metabolism responses. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110469.	6.0	129
2	Gut Microbiota-Based Pharmacokinetics and the Antidepressant Mechanism of Paeoniflorin. <i>Frontiers in Pharmacology</i> , 2019, 10, 268.	3.5	52
3	Nanoporous CD-MOF particles with uniform and inhalable size for pulmonary delivery of budesonide. <i>International Journal of Pharmaceutics</i> , 2019, 564, 153-161.	5.2	51
4	Physiological and proteomic responses of reactive oxygen species metabolism and antioxidant machinery in mulberry ( <i>Morus alba</i> L.) seedling leaves to NaCl and NaHCO <sub>3</sub> stress. <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110259.	6.0	51
5	Chlorophyll synthesis and the photoprotective mechanism in leaves of mulberry ( <i>Morus alba</i> L.) seedlings under NaCl and NaHCO <sub>3</sub> stress revealed by TMT-based proteomics analyses. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110164.	6.0	34
6	Comparative pharmacokinetics of chlorogenic acid after oral administration in rats. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 270-274.	5.3	31
7	Evaluation of drug loading capabilities of $\beta$ -cyclodextrin-metal organic frameworks by high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1488, 37-44.	3.7	31
8	Pyrazinamide-induced hepatotoxicity is alleviated by 4-PBA via inhibition of the PERK-eIF2 $\gamma$ -ATF4-CHOP pathway. <i>Toxicology</i> , 2017, 378, 65-75.	4.2	31
9	Antineoplastic effects of deoxydopodophyllotoxin, a potent cytotoxic agent of plant origin, on glioblastoma U-87 MG and SF126 cells. <i>Pharmacological Reports</i> , 2015, 67, 245-252.	3.3	30
10	Experimental Investigation for Pore Structure and CH <sub>4</sub> Release Characteristics of Coal during Pulverization Process. <i>Energy &amp; Fuels</i> , 2017, 31, 14357-14366.	5.1	30
11	Cytotoxic constituents from <i>Solanum lyratum</i> . <i>Archives of Pharmacal Research</i> , 2006, 29, 135-139.	6.3	28
12	Ultra-fast self-healing PVA organogels based on dynamic covalent chemistry for dye selective adsorption. <i>New Journal of Chemistry</i> , 2019, 43, 7701-7707.	2.8	26
13	Diosgenin Glucuronides from <i>Solanum lyratum</i> and their Cytotoxicity against Tumor Cell Lines. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 171-176.	1.4	19
14	Six New neo-Clerodane Diterpenoids from Aerial Parts of <i>Scutellaria barbata</i> and Their Cytotoxic Activities. <i>Planta Medica</i> , 2018, 84, 1292-1299.	1.3	19
15	Targeted metabolic analysis of nucleotides and identification of biomarkers associated with cancer in cultured cell models. <i>Acta Pharmaceutica Sinica B</i> , 2013, 3, 254-262.	12.0	18
16	Quality evaluation of Shenmaidihuang Pills based on the chromatographic fingerprints and simultaneous determination of seven bioactive constituents. <i>Journal of Separation Science</i> , 2016, 39, 4557-4567.	2.5	16
17	Simultaneous determination of nineteen major active compounds in Qiangshen tablet by UPLC-ESI-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 519-527.	2.8	16
18	Solidification of volatile D-Limonene by cyclodextrin metal-organic framework for pulmonary delivery via dry powder inhalers: In vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120825.	5.2	15

#	ARTICLE	IF	CITATIONS
19	An UPLC-MS/MS method for simultaneous quantitation of two coumarins and two flavonoids in rat plasma and its application to a pharmacokinetic study of <i>Wikstroemia indica</i> extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 139-145.	2.3	14
20	The Microstructure and Mechanical Properties of TA1-Low Alloy Steel Composite Plate Manufactured by Explosive Welding. <i>Metals</i> , 2020, 10, 663.	2.3	13
21	Simultaneous solubilization and extended release of insoluble drug as payload in highly soluble particles of $\beta$ -cyclodextrin metal-organic frameworks. <i>International Journal of Pharmaceutics</i> , 2022, 619, 121685.	5.2	13
22	LC-based targeted metabolomics analysis of nucleotides and identification of biomarkers associated with chemotherapeutic drugs in cultured cell models. <i>Anti-Cancer Drugs</i> , 2014, 25, 690-703.	1.4	12
23	Neoclerodane diterpenoids from aerial parts of <i>Scutellaria barbata</i> . <i>Phytochemistry Letters</i> , 2017, 19, 1-6.	1.2	12
24	Genome-Wide Identification of Small RNAs in <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> KLDS 2.0603 and Their Regulation Role in the Adaption to Gastrointestinal Environment. <i>PLoS ONE</i> , 2015, 10, e0117373.	2.5	11
25	Development and Evaluation of Topical Delivery of Microemulsions Containing Adapalene (MEs-Ap) for Acne. <i>AAPS PharmSciTech</i> , 2021, 22, 125.	3.3	10
26	Simultaneous determination of 11 alkaloids in rat plasma by LC-ESI-MS/MS and a pharmacokinetic study after oral administration of total alkaloids extracted from <i>Nauclea officinalis</i> . <i>Journal of Ethnopharmacology</i> , 2022, 282, 114560.	4.1	10
27	Established UPLC-MS/MS procedure for multicomponent quantitative analysis in rat plasma: A contrastive pharmacokinetics study of Qiangshen tablet in normal and kidney yang deficiency syndrome models. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1106-1107, 35-42.	2.3	9
28	Multianalyte determination of the kinetic rate constants of drug-cyclodextrin supermolecules by high performance affinity chromatography. <i>Journal of Chromatography A</i> , 2014, 1359, 287-295.	3.7	8
29	Ultra high performance liquid chromatography with electrospray ionization tandem mass spectrometry coupled with hierarchical cluster analysis to evaluate <i>Wikstroemia indica</i> (L.) C. A. Mey. from different geographical regions. <i>Journal of Separation Science</i> , 2015, 38, 2093-2100.	2.5	8
30	Simultaneous high-throughput determination of interaction kinetics for drugs and cyclodextrins by high performance affinity chromatography with mass spectrometry detection. <i>Analytica Chimica Acta</i> , 2016, 909, 75-83.	5.4	8
31	Synchrotron Radiation Microcomputed Tomography Guided Chromatographic Analysis for Displaying the Material Distribution in Tablets. <i>Analytical Chemistry</i> , 2018, 90, 3238-3244.	6.5	8
32	Effects of antibiotic antitumor drugs on nucleotide levels in cultured tumor cells: an exploratory method to distinguish the mechanisms of antitumor drug action based on targeted metabolomics. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 223-230.	12.0	7
33	Cross-linked $\beta$ -cyclodextrin metal-organic framework—a new stationary phase for the separations of benzene series and polycyclic aromatic hydrocarbons. <i>Mikrochimica Acta</i> , 2021, 188, 245.	5.0	7
34	Activation of ATM-Chk2 by 16-dehydropregnenolone induces G1 phase arrest and apoptosis in HeLa cells. <i>Journal of Asian Natural Products Research</i> , 2012, 14, 817-825.	1.4	6
35	Comprehensive investigation of pharmacodynamic material basis of <i>Wikstroemia indica</i> (L.) C. A. Mey. by serum pharmacokinetics and bivariate correlation analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122770.	2.3	6
36	Structural and PK-guided identification of indole-based non-acidic autotaxin (ATX) inhibitors exhibiting high <i>in vivo</i> anti-fibrosis efficacy in rodent model. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113951.	5.5	6

#	ARTICLE	IF	CITATIONS
37	Solvents effects on crystallinity and dissolution of Î²-artemether. Drug Development and Industrial Pharmacy, 2017, 43, 372-378.	2.0	5
38	A comparison report of three advanced methods for drug-cyclodextrin interaction measurements. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 252-258.	2.8	5
39	In vivo study of erysolin metabolic profile by ultra high performance liquid chromatography coupled to Fourier transform ion cyclotron resonance mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 173-181.	2.3	5
40	Organic anion transporter 1 and 3 contribute to traditional Chinese medicine-induced nephrotoxicity. Chinese Journal of Natural Medicines, 2020, 18, 196-205.	1.3	5
41	Protective effects of Nrf2 against sepsis-induced hepatic injury. Life Sciences, 2021, 282, 119807.	4.3	4
42	Development of high power transient electromagnetic field sensors. , 2015, , .		3
43	Prediction of Rate Constant for Supramolecular Systems with Multiconfigurations. Journal of Physical Chemistry A, 2016, 120, 981-991.	2.5	3
44	LC-MS based cell metabolic profiling of tumor cells: a new predictive method for research on the mechanism of action of anticancer candidates. RSC Advances, 2018, 8, 16645-16656.	3.6	3
45	Multi-dimensional visualization for the morphology of lubricant stearic acid particles and their distribution in tablets. Asian Journal of Pharmaceutical Sciences, 2020, 15, 60-68.	9.1	3
46	Pharmacokinetic behavior of 16-dehydropregnenolone after intramuscular administration in rats. Journal of Pharmaceutical Analysis, 2011, 1, 135-138.	5.3	2
47	Pharmacokinetics and tissue distribution study of 16-dehydropregnenolone liposome in female mice after intravenous administration. Drug Delivery, 2016, 23, 2787-2795.	5.7	2
48	Pharmacokinetics of 16-dehydropregnenolone hydroxypropyl-Î²-cyclodextrin inclusion complex following peroral administration. Pharmaceutical Development and Technology, 2017, 22, 218-228.	2.4	2
49	Research on PD pattern recognition by extracting features from PD energy distribution. , 0, , .		1
50	Bioactivity assay of porcine relaxin based on cAMP accumulation in THP-1 cells quantified by LC-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 320-323.	2.8	1
51	Simultaneous determination of eight B vitamins in rat intestinal perfusate to identify effects of osmotic pressures on absorptions. Biomedical Chromatography, 2017, 31, e3952.	1.7	1
52	Based on Nucleotides Analysis of Tumor Cell Lines to Construct and Validate a Prediction Model of Mechanisms of Chemotherapeutics. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 568-578.	1.7	1
53	Investigation of novel ATX inhibitor metabolites by UHPLC-orbitrap-MS/MS and molecular docking studies. Journal of Pharmaceutical and Biomedical Analysis, 2022, 211, 114606.	2.8	1
54	A Novel Keggin Tungstocobaltate Framework Supported by Copperbipyridyl Complexes: [Cu(I)(2,2') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1445-1450.	0.7	0

#	ARTICLE	IF	CITATIONS
55	The rapid profiling and simultaneous determination of 12 major alkaloids in <i>Nauclea officinalis</i> by UPLC-Q-TOF-MS and HPLC-ESI-MS/MS. <i>Analytical Methods</i> , 2021, 13, 5787-5803.	2.7	0
56	Anti-fibrosis attributes: UHPLC-MS/MS-based pharmacokinetics profiling of a novel autotaxin inhibitor with excellent in vivo efficacy in rat. <i>Biomedical Chromatography</i> , 2021, , e5301.	1.7	0
57	Identification of the Metabolites of Scutebarbatine A in Rat plasma, bile, urine, and feces by Using Ultra-High-Performance Liquid Chromatography Coupled with Q Exactive Hybrid Quadrupole-Orbitrap High-Resolution Mass Spectrometry. <i>Current Drug Metabolism</i> , 2022, 23, .	1.2	0
58	Synthesis and antitumor activity of erysolin and its metabolites. <i>Journal of Asian Natural Products Research</i> , 0, , 1-10.	1.4	0