

Donghao Li

List of Publications by Year in descending order

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106
papers

2,493
citations

186265

28
h-index

223800

46
g-index

111
all docs

111
docs citations

111
times ranked

3070
citing authors

#	ARTICLE	IF	CITATIONS
1	Silyl Derivatization of Alkylphenols, Chlorophenols, and Bisphenol A for Simultaneous GC/MS Determination. <i>Analytical Chemistry</i> , 2001, 73, 3089-3095.	6.5	156
2	Rutin ameliorates obesity through brown fat activation. <i>FASEB Journal</i> , 2017, 31, 333-345.	0.5	151
3	Myristoleic acid produced by enterococci reduces obesity through brown adipose tissue activation. <i>Gut</i> , 2020, 69, 1239-1247.	12.1	134
4	A cysteine probe with high selectivity and sensitivity promoted by response-assisted electrostatic attraction. <i>Chemical Communications</i> , 2012, 48, 8793.	4.1	96
5	Label-free aptasensor for ochratoxin A detection using SYBR Gold as a probe. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 647-652.	7.8	88
6	Microextraction techniques for the determination of volatile and semivolatile organic compounds from plants: A review. <i>Analytica Chimica Acta</i> , 2013, 799, 8-22.	5.4	79
7	Distribution and ecological risk of organic pollutants in the sediments and seafood of Yangtze Estuary and Hangzhou Bay, East China Sea. <i>Science of the Total Environment</i> , 2016, 541, 1540-1548.	8.0	76
8	Visible-Light Driven Photocatalytic Degradation of Organic Dyes over Ordered Mesoporous Cd _x Zn _{1-x} S Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5137-5144.	3.1	65
9	Recent review on carbon nanomaterials functionalized with ionic liquids in sample pretreatment application. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115641.	11.4	65
10	Machine learning modeling and analysis of biohydrogen production from wastewater by dark fermentation process. <i>Bioresource Technology</i> , 2022, 343, 126111.	9.6	64
11	Direct extraction of alkylphenols, chlorophenols and bisphenol A from acid-digested sediment suspension for simultaneous gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , 2003, 1012, 207-214.	3.7	60
12	Distribution characteristics of nonylphenols in the artificial Lake Shihwa, and surrounding creeks in Korea. <i>Chemosphere</i> , 2004, 56, 783-790.	8.2	59
13	Nuclease-aided target recycling signal amplification strategy for ochratoxin A monitoring. <i>Biosensors and Bioelectronics</i> , 2017, 87, 136-141.	10.1	58
14	Specific recognition of polyphenols by molecularly imprinted polymers based on a ternary deep eutectic solvent. <i>Journal of Chromatography A</i> , 2017, 1530, 23-34.	3.7	57
15	PAES and PAHs in the surface sediments of the East China Sea: Occurrence, distribution and influence factors. <i>Science of the Total Environment</i> , 2020, 703, 134763.	8.0	50
16	Monitoring of phthalates in foodstuffs using gas purge microsyringe extraction coupled with GC-MS. <i>Analytica Chimica Acta</i> , 2015, 879, 63-68.	5.4	45
17	Cryptopleurine Targets NF- κ B Pathway, Leading to Inhibition of Gene Products Associated with Cell Survival, Proliferation, Invasion, and Angiogenesis. <i>PLoS ONE</i> , 2012, 7, e40355.	2.5	44
18	Recent trends in analytical methods for water-soluble vitamins. <i>Journal of Chromatography A</i> , 2019, 1606, 360245.	3.7	42

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19	Gas purge microsyringe extraction for quantitative direct gas chromatographic ² mass spectrometric analysis of volatile and semivolatile chemicals. <i>Journal of Chromatography A</i> , 2011, 1218, 1549-1555.	3.7	41
20	Selective detection of zwitterionic arginine with a new Zn(ii)-terpyridine complex: potential application in protein labeling and determination. <i>Chemical Communications</i> , 2011, 47, 3921.	4.1	39
21	Biotransformation of Panax ginseng extract by rat intestinal microflora: identification and quantification of metabolites using liquid chromatography-tandem mass spectrometry. <i>Journal of Ginseng Research</i> , 2017, 41, 540-547.	5.7	38
22	Comparative Analysis of the Rats ² Gut Microbiota Composition in Animals with Different Ginsenosides Metabolizing Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 327-337.	5.2	38
23	Effective modelling of hydrogen and energy recovery in microbial electrolysis cell by artificial neural network and adaptive network-based fuzzy inference system. <i>Bioresource Technology</i> , 2020, 316, 123967.	9.6	38
24	Recent developments and emerging trends of mass spectrometric methods in plant hormone analysis: a review. <i>Plant Methods</i> , 2020, 16, 54.	4.3	36
25	Long-range atmospheric transport and the distribution of polycyclic aromatic hydrocarbons in Changbai Mountain. <i>Chemosphere</i> , 2015, 119, 289-294.	8.2	34
26	Carbon nanotube hollow polyhedrons derived from ZIF-8@ZIF-67 coupled to electro-deposited gold nanoparticles for voltammetric determination of acetaminophen. <i>Mikrochimica Acta</i> , 2020, 187, 6.	5.0	33
27	Cloning and Characterization of Ginsenoside-Hydrolyzing β -Glucosidase from <i>Lactobacillus brevis</i> That Transforms Ginsenosides Rb1 and F2 into Ginsenoside Rd and Compound K. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1661-1667.	2.1	32
28	MALDI-TOF-MS analysis of small molecules using modified mesoporous material SBA-15 as assisted matrix. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2167-2173.	2.8	31
29	Recent trends in carbon-based microelectrodes as electrochemical sensors for neurotransmitter detection: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 148, 116541.	11.4	29
30	Novel and rapid method for determination of organophosphorus pesticide residues in edible fungus using direct gas purge microsyringe extraction coupled on-line with gas chromatography ² mass spectrometry. <i>Talanta</i> , 2015, 142, 64-71.	5.5	27
31	Gas flow headspace liquid phase microextraction. <i>Journal of Chromatography A</i> , 2009, 1216, 7694-7699.	3.7	26
32	PAH determination based on a rapid and novel gas purge-microsyringe extraction (GP-MSE) technique in road dust of Shanghai, China: Characterization, source apportionment, and health risk assessment. <i>Science of the Total Environment</i> , 2016, 557-558, 688-696.	8.0	26
33	Automatic heating and cooling system in a gas purge microsyringe extraction. <i>Talanta</i> , 2011, 86, 142-147.	5.5	25
34	Water-based gas purge microsyringe extraction coupled with liquid chromatography for determination of alkylphenols from sea food <i>Laminaria japonica</i> Aresh. <i>Journal of Chromatography A</i> , 2013, 1300, 38-42.	3.7	24
35	Improved cleanup technique for gas chromatographic ² mass spectrometric determination of alkylphenols from biota extract. <i>Journal of Chromatography A</i> , 2007, 1171, 15-21.	3.7	23
36	An etched stainless steel wire/ionic liquid-solid phase microextraction technique for the determination of alkylphenols in river water. <i>Talanta</i> , 2015, 132, 564-571.	5.5	23

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37	Simultaneous determination of multiple phytohormones in tomato by ionic liquid-functionalized carbon fibers-based solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2020, 1137, 143-155.	5.4	23
38	Nonylphenol in bivalves and sediments in the northeast coast of China. <i>Journal of Environmental Sciences</i> , 2010, 22, 1735-1740.	6.1	22
39	Analysis of crude oils using gas purge microsyringe extraction coupled to comprehensive two dimensional gas chromatography-time-of-flight mass spectrometry. <i>Fuel</i> , 2016, 182, 788-797.	6.4	22
40	Biotransformation of gypenoside XVII to compound K by a recombinant Î ² -glucosidase. <i>Biotechnology Letters</i> , 2016, 38, 1187-1193.	2.2	21
41	Enhanced copper removal from contaminated kaolinite soil by electrokinetic process using compost reactive filter media. <i>Journal of Hazardous Materials</i> , 2021, 402, 123891.	12.4	21
42	Gas purge-microsyringe extraction: A rapid and exhaustive direct microextraction technique of polycyclic aromatic hydrocarbons from plants. <i>Analytica Chimica Acta</i> , 2013, 805, 45-53.	5.4	19
43	Sensitive Screening Method for Determination of Pyrethroids in Chicken Eggs and Various Meat Samples by Gas Chromatography and Electron Capture Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10267-10273.	5.2	19
44	Biomonitoring polycyclic aromatic hydrocarbons by <i>Salix matsudana</i> leaves: A comparison with the relevant air content and evaluation of environmental parameter effects. <i>Atmospheric Environment</i> , 2018, 181, 47-53.	4.1	17
45	Metabolite profiling of ginsenosides in rat plasma, urine and feces by LC-MS/MS and its application to a pharmacokinetic study after oral administration of <i>Panax ginseng</i> extract. <i>Biomedical Chromatography</i> , 2018, 32, e4105.	1.7	17
46	Application of machine learning algorithms in predicting the photocatalytic degradation of perfluorooctanoic acid. <i>Catalysis Reviews - Science and Engineering</i> , 0, , 1-26.	12.9	17
47	Characterization, chemometric evaluation, and human health-related aspects of essential and toxic elements in Italian honey samples by inductively coupled plasma mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25374-25384.	5.3	16
48	Advances in As contamination and adsorption in soil for effective management. <i>Journal of Environmental Management</i> , 2021, 296, 113274.	7.8	16
49	Gas purge microsyringe extraction coupled to comprehensive two-dimensional gas chromatography for the characterization of petroleum migration. <i>Organic Geochemistry</i> , 2017, 106, 30-47.	1.8	15
50	Microextraction by packed sorbent coupled with gas chromatography-mass spectrometry: A comparison between "draw-eject" and "extract-discard" methods under equilibrium conditions for the determination of polycyclic aromatic hydrocarbons in water. <i>Journal of Chromatography A</i> , 2014, 1371, 30-38.	3.7	12
51	Fast on-fiber derivatization and GC/MS analysis of phytohormones in wheat based on pencil-type coated carbon fibers. <i>Food Chemistry</i> , 2019, 274, 254-260.	8.2	12
52	Pesticides Contamination of Cereals and Legumes: Monitoring of Samples Marketed in Italy as a Contribution to Risk Assessment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7283.	2.5	12
53	Nanoconfined Liquid Phase Nanoextraction Based on Carbon Nanofibers. <i>Analytical Chemistry</i> , 2021, 93, 1310-1316.	6.5	12
54	Polycyclic aromatic hydrocarbons in air particulates and its effect on the Tumen river area, Northeast China. <i>Atmospheric Environment</i> , 2012, 60, 298-304.	4.1	11

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55	Determination of diamondoids in crude oils using gas purge microsyringe extraction with comprehensive two dimensional gas chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1478, 75-83.	3.7	11
56	A reciprocating magnetic field assisted on-line solid-phase extraction coupled with liquid chromatography-tandem mass spectrometry determination of trace tetracyclines in water. <i>Analytica Chimica Acta</i> , 2021, 1182, 338957.	5.4	11
57	Highly Ordered Mesoporous WO ₃ with Excellent Catalytic Performance and Reusability for Deep Oxidative Desulfurization. <i>Nano</i> , 2015, 10, 1550075.	1.0	10
58	Ice phase as an important factor on the seasonal variation of polycyclic aromatic hydrocarbons in the Tumen River, Northeastern of China. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1379-1387.	5.3	9
59	Yangonin Blocks Tumor Necrosis Factor- α -Induced Nuclear Factor- κ B-Dependent Transcription by Inhibiting the Transactivation Potential of the RelA/p65 Subunit. <i>Journal of Pharmacological Sciences</i> , 2012, 118, 447-454.	2.5	9
60	A high throughput mass spectrometry screening analysis based on two-dimensional carbon microfiber fractionation system. <i>Journal of Chromatography A</i> , 2017, 1501, 1-9.	3.7	9
61	Magnetic separation coupled with high-performance liquid chromatography-mass spectrometry for rapid separation and determination of lignans in <i>Schisandra chinensis</i> . <i>Journal of Separation Science</i> , 2018, 41, 2056-2063.	2.5	9
62	Gas-liquid microextraction coupled with magnetic-assisted dispersive solid-phase extraction clean-up for multi-residue pesticide analysis in fatty foods of animal origin. <i>LWT - Food Science and Technology</i> , 2021, 137, 110448.	5.2	9
63	In situ measurement-based partitioning behavior of perfluoroalkyl acids in the atmosphere. <i>Environmental Engineering Research</i> , 2020, 25, 281-289.	2.5	9
64	Derivatization and liquid chromatography-UV-tandem mass spectrometric analysis of perfluorinated carboxylic acids. <i>Journal of Chromatography A</i> , 2012, 1235, 132-140.	3.7	8
65	Revised runoff curve number for runoff prediction in the Loess Plateau of China. <i>Hydrological Processes</i> , 2021, 35, e14390.	2.6	7
66	Nanoconfinement effect based in-fiber extraction and derivatization method for ultrafast analysis of twenty amines in human urine by GC-MS: Application to cancer diagnosis biomarkers- TM screening. <i>Analytica Chimica Acta</i> , 2022, 1217, 339985.	5.4	7
67	Dispersion of organic contaminants from wastewater treatment outfall in Masan Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 200-206.	2.1	6
68	Rapid in Situ Self-Assembly of Carbon Fibers/ZIF-8 Composite for Efficient Adsorption Enhancement of Congo Red. <i>ChemistrySelect</i> , 2019, 4, 6429-6436.	1.5	6
69	Simple and rapid analysis of phthalate esters in marine sediment using ultrasound-assisted extraction combined with gas purge microsyringe extraction followed by GC-MS. <i>Marine Pollution Bulletin</i> , 2020, 160, 111667.	5.0	6
70	Primary study of volatiles composition of <i>Rhodiola sachalinensis</i> by using gas chromatography and mass spectrometry (GC/MS). <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1262-1268.	2.7	5
71	In situ measurement of atmospheric carbon dioxide at Yanbian, China: Estimating its northeast Asian emission regions. <i>Science China Earth Sciences</i> , 2012, 55, 1742-1754.	5.2	5
72	Facile Surface Modification of Glass-Fiber Membrane with Silylating Reagent through Chemical Bonding for the Selective Separation and Recycling of Diverse Dyes from Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 12734-12741.	1.5	5

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73	A traceless clean-up method coupled with gas chromatography and mass spectrometry for analyzing polycyclic aromatic hydrocarbons in complex plant leaf matrices. <i>Analyst, The</i> , 2020, 145, 3266-3273.	3.5	5
74	Magnetic separation hydroxynitrile glucoside of <i>Orostachys malacophyllus</i> . <i>Microchemical Journal</i> , 2021, 166, 106223.	4.5	5
75	One-step integrated sample pretreatment technique by gas-liquid microextraction (GLME) to determine multi-class pesticide residues in plant-derived foods. <i>Food Chemistry</i> , 2022, 367, 130774.	8.2	5
76	Gas purge micro solvent extraction: A rapid and powerful tool for essential oil chromatographic fingerprints. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 187, 113339.	2.8	5
77	The solvent and zinc source dual-induced synthesis of a two dimensional zeolitic imidazolate framework with a farfalla-shape and its crystal transformation to zeolitic imidazolate framework-8. <i>Dalton Transactions</i> , 2020, 49, 2437-2443.	3.3	5
78	On the use of a 2D-carbon microfiber fractionation system to improve flow-injection QTOF-HRMS analysis in complex matrices: the case of <i>Abelmoschus manihot</i> flower extracts. <i>Analyst, The</i> , 2022, 147, 819-827.	3.5	5
79	Light-Driven Polarity Switching of the Chromatographic Stationary Phase with Photoreversibility. <i>Analytical Chemistry</i> , 2021, 93, 17051-17059.	6.5	5
80	Circular Nonuniform Electric Field Gel Electrophoresis for the Separation and Concentration of Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 8474-8482.	6.5	5
81	Greener approaches to the measurement of polyaromatic hydrocarbons (PAHs) in unused and used crankcase motor oils from Malaysia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7206-7211.	5.3	4
82	Ultrasound-assisted liquid-liquid spray extraction for the determination of multi-class trace organic compounds in high-volume water samples. <i>Analyst, The</i> , 2018, 143, 4575-4584.	3.5	4
83	A fast and selective gas liquid microextraction of semiochemicals for quantitative analysis in plants. <i>Plant Science</i> , 2020, 298, 110576.	3.6	4
84	Ex-situ and in-situ rapid and quantitative determination of benzene derivatives in seawater using nanoconfined liquid phase nanoextraction. <i>Talanta</i> , 2021, 235, 122781.	5.5	4
85	Rapid and One-Step Screening of Taxane Compounds by a Two-Dimensional Carbon Microfiber Fractionation System Combined with Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4774-4782.	5.2	4
86	Nanoconfined liquid phase nanoextraction combined with in-fiber derivatization for simultaneous quantification of seventy amino-containing metabolites in plasma by LC-MS/MS: Exploration of lung cancer screening model. <i>Talanta</i> , 2022, 245, 123452.	5.5	4
87	Occurrence and spatial distribution of organic contaminants in sediments from Chinhae Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 119-124.	2.1	3
88	Sonar image quality evaluation using deep neural network. <i>IET Image Processing</i> , 2022, 16, 992-999.	2.5	3
89	Carbon Nanofibers-Based Nanoconfined Liquid Phase Filtration for the Rapid Removal of Chlorinated Pesticides from Ginseng Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9434-9442.	5.2	3
90	Analysis of multiple-phytohormones during fruit development in strawberry by using miniaturized dispersive solid-phase extraction based on ionic liquid-functionalized carbon fibers. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104262.	3.9	3

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91	Quick and reliable determination of matrine and oxymatrine in vegetable products by Liquid Chromatography and Mass Spectrometry. <i>Journal of Food Composition and Analysis</i> , 2022, 109, 104465.	3.9	3
92	NLow matrix effect pretreatment method based on gas-liquid micro-extraction technique for determining multi-class pesticides in crops. <i>Journal of Chromatography A</i> , 2022, 1675, 463178.	3.7	3
93	Development of a screening analytical method for the determination of non-dioxin-like polychlorinated biphenyls in chicken eggs by gas chromatography and electron capture detection. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019, 36, 1-11.	2.3	2
94	Across-polarity quantification method for broad metabolome coverage based on consecutive nanoconfined liquid phase nanoextraction technology: Application in discovering the plasma potential biomarkers of different types of cancer. <i>Analytica Chimica Acta</i> , 2021, 1167, 338577.	5.4	2
95	A Rapid Preconcentration Method Using Modified GP-MSE for Sensitive Determination of Trace Semivolatile Organic Pollutants in the Gas Phase of Ambient Air. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 2995-3000.	1.9	2
96	Isotope labelled in suit derivatization-extraction integrated system for amine/phenol submetabolome analysis based on nanoconfinement effect: Application to lung cancer. <i>Journal of Chromatography A</i> , 2022, 1670, 462954.	3.7	2
97	An on-line sample pretreatment technique for the HPLC analysis of plant samples. <i>Journal of Separation Science</i> , 2013, 36, 3599-3607.	2.5	1
98	A simple and rapid analysis for gas-phase polycyclic aromatic hydrocarbons using an organic-solvent-based method. <i>Atmospheric Environment</i> , 2014, 89, 367-372.	4.1	1
99	Tracing historical changes, degradation, and original sources of airborne polycyclic aromatic hydrocarbons (PAHs) in Jilin Province, China, by <i>Abies holophylla</i> and <i>Pinus tabuliformis</i> needle leaves. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7079-7088.	5.3	1
100	Open-tubular radially cyclical electric field-flow fractionation (OTR-CyElFFF): an online concentric distribution strategy for simultaneous separation of microparticles. <i>Lab on A Chip</i> , 2020, 20, 3535-3543.	6.0	1
101	Research on Combining System of Gas Flow Liquid Phase Microextraction and Gas Chromatography. , 2012, , .		0
102	Gas-Purged Headspace Liquid Phase Microextraction System for Determination of Volatile and Semivolatile Analytes. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-7.	1.6	0
103	Research on Liquid Chromatography Step Injection System. , 2013, , .		0
104	Front cover: Magnetic separation coupled with high-performance liquid chromatography-mass spectrometry for rapid separation and determination of lignans in <i>Schisandra chinensis</i> . <i>Journal of Separation Science</i> , 2018, 41, NA-NA.	2.5	0
105	Extraction of Plant Materials. , 2020, , 667-682.		0
106	Research of Gas Purge Syringe Needle Micro Extraction System. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 195-200.	0.6	0