

Hai-Fang Li

List of Publications by Year in descending order

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85
papers

3,055
citations

147566

31
h-index

174990

52
g-index

85
all docs

85
docs citations

85
times ranked

4048
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of carbon-based nanomaterials in sample preparation: A review. <i>Analytica Chimica Acta</i> , 2013, 784, 1-17.	2.6	387
2	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. <i>Advanced Materials</i> , 2020, 32, e2000165.	11.1	184
3	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 874-879.	7.2	149
4	Strategy for Signaling Molecule Detection by Using an Integrated Microfluidic Device Coupled with Mass Spectrometry to Study Cell-to-Cell Communication. <i>Analytical Chemistry</i> , 2013, 85, 868-876.	3.2	87
5	Nitrite sensing based on the carbon dots-enhanced chemiluminescence from peroxyxynitrous acid and carbonate. <i>Talanta</i> , 2015, 132, 457-462.	2.9	83
6	Achilles Heels of Phosphine Oxide Materials for OLEDs: Chemical Stability and Degradation Mechanism of a Bipolar Phosphine Oxide/Carbazole Hybrid Host Material. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19451-19457.	1.5	79
7	In-Situ Scatheless Cell Detachment Reveals Correlation between Adhesion Strength and Viability at Single-Cell Resolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 236-240.	7.2	78
8	Enhancement of periodate-hydrogen peroxide chemiluminescence by nitrogen doped carbon dots and its application for the determination of pyrogallol and gallic acid. <i>Talanta</i> , 2016, 153, 23-30.	2.9	77
9	Chip-based enantioselective open-tubular capillary electrochromatography using bovine serum albumin-gold nanoparticle conjugates as the stationary phase. <i>Electrophoresis</i> , 2009, 30, 1022-1029.	1.3	74
10	A portable microchip for ultrasensitive and high-throughput assay of thrombin by rolling circle amplification and hemin/G-quadruplex system. <i>Biosensors and Bioelectronics</i> , 2014, 56, 71-76.	5.3	70
11	Determination of parabens in cosmetic products by solid-phase microextraction of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo detector. <i>Journal of Separation Science</i> , 2011, 34, 1599-1606.	1.3	67
12	Applications of microfluidic systems in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 555-567.	1.9	65
13	An in vitro liver model on microfluidic device for analysis of capecitabine metabolite using mass spectrometer as detector. <i>Biosensors and Bioelectronics</i> , 2015, 68, 322-328.	5.3	58
14	Hydrophilic, Breathable, and Washable Graphene Decorated Textile Assisted by Silk Sericin for Integrated Multimodal Smart Wearables. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	54
15	DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. <i>Chemical Science</i> , 2016, 7, 5448-5452.	3.7	52
16	Cell Signaling Analysis by Mass Spectrometry under Coculture Conditions on an Integrated Microfluidic Device. <i>Analytical Chemistry</i> , 2011, 83, 9306-9313.	3.2	51
17	Multi-channel microfluidic chip-mass spectrometry platform for cell analysis. <i>Chinese Chemical Letters</i> , 2017, 28, 1625-1630.	4.8	49
18	Multi-DNAzymes-functionalized gold nanoparticles for ultrasensitive chemiluminescence detection of thrombin on microchip. <i>Analytica Chimica Acta</i> , 2018, 1027, 76-82.	2.6	48

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19	A dual-functional microfluidic chip for on-line detection of interleukin-8 based on rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2018, 102, 652-660.	5.3	48
20	Assay of multiplex proteins from cell metabolism based on tunable aptamer and microchip electrophoresis. <i>Biosensors and Bioelectronics</i> , 2015, 63, 105-111.	5.3	47
21	Bisulfite induced chemiluminescence of g-C ₃ N ₄ nanosheets and enhanced by metal ions. <i>Nanoscale</i> , 2016, 8, 4933-4937.	2.8	46
22	Combination Stiffness Gradient with Chemical Stimulation Directs Glioma Cell Migration on a Microfluidic Chip. <i>Analytical Chemistry</i> , 2020, 92, 892-898.	3.2	46
23	Adhesion analysis of single circulating tumor cells on a base layer of endothelial cells using open microfluidics. <i>Chemical Science</i> , 2018, 9, 7694-7699.	3.7	44
24	Integrated microfluidic system for cell co-culture and simulation of drug metabolism. <i>RSC Advances</i> , 2016, 6, 54564-54572.	1.7	43
25	Engineering Cell-Compatible Paper Chips for Cell Culturing, Drug Screening, and Mass Spectrometric Sensing. <i>Advanced Healthcare Materials</i> , 2015, 4, 2291-2296.	3.9	40
26	A microfluidic approach for anticancer drug analysis based on hydrogel encapsulated tumor cells. <i>Analytica Chimica Acta</i> , 2010, 665, 7-14.	2.6	38
27	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie</i> , 2017, 129, 892-897.	1.6	36
28	Shear Stress-Enhanced Internalization of Cell Membrane Proteins Indicated by a Hairpin-Type DNA Probe. <i>Analytical Chemistry</i> , 2018, 90, 5540-5545.	3.2	35
29	Iron-Catalyzed Diastereoselective Synthesis of Unnatural Chiral Amino Acid Derivatives. <i>Organic Letters</i> , 2016, 18, 3362-3365.	2.4	34
30	Chemiluminescence Character of ZnS Quantum Dots with Bisulphite-Hydrogen Peroxide System in Acidic Medium. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9308-9316.	1.5	34
31	Plasmon-Assisted Enhancement of the Ultraweak Chemiluminescence Using Cu/Ni Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14796-14803.	1.5	32
32	Vortex solvent bar microextraction for phthalate esters from aqueous matrices. <i>Talanta</i> , 2012, 100, 64-70.	2.9	30
33	Evaluation of drug combination for glioblastoma based on an intestine-liver metabolic model on microchip. <i>Analyst</i> , The, 2017, 142, 3629-3638.	1.7	30
34	Determination of gouty arthritis' biomarkers in human urine using reversed-phase high-performance liquid chromatography. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 153-158.	2.4	29
35	Silicon-hybrid carbon dots strongly enhance the chemiluminescence of luminol. <i>Mikrochimica Acta</i> , 2014, 181, 805-811.	2.5	29
36	Determination of ammonium on an integrated microchip with LED-induced fluorescence detection. <i>Journal of Environmental Sciences</i> , 2012, 24, 564-570.	3.2	28

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37	Polyacrylamide-Polydivinylbenzene Decorated Membrane for Sundry Ionic Stabilized Emulsions Separation via a Facile Solvothermal Method. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21816-21823.	4.0	28
38	Inkjet automated single cells and matrices printing system for matrix-assisted laser desorption/ionization mass spectrometry. <i>Talanta</i> , 2017, 162, 474-478.	2.9	28
39	Measurement of Cell-Matrix Adhesion at Single-Cell Resolution for Revealing the Functions of Biomaterials for Adherent Cell Culture. <i>Analytical Chemistry</i> , 2018, 90, 9637-9643.	3.2	27
40	Monodispersed Ag Nanoparticle in Layered Double Hydroxides as Matrix for Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44751-44759.	4.0	26
41	Preparation of durable graphene-bonded titanium fibers for efficient microextraction of phthalates from aqueous matrices and analysis with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1370, 9-16.	1.8	25
42	Study of antioxidant effects on malignant glioma cells by constructing a tumor-microvascular structure on microchip. <i>Analytica Chimica Acta</i> , 2017, 978, 1-9.	2.6	25
43	Gold nanoparticles modified porous silicon chip for SALDI-MS determination of glutathione in cells. <i>Talanta</i> , 2017, 168, 222-229.	2.9	24
44	Alteration of intracellular metabolome in osteosarcoma stem cells revealed by liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2019, 204, 6-12.	2.9	23
45	A Specific Mass-Tag Approach for Detection of Foodborne Pathogens Using MALDI-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 3963-3969.	3.2	23
46	An on-chip intestine-liver model for multiple drugs absorption and metabolism behavior simulation. <i>Science China Chemistry</i> , 2018, 61, 236-242.	4.2	22
47	An open-space microfluidic chip with fluid walls for online detection of VEGF via rolling circle amplification. <i>Chemical Science</i> , 2019, 10, 8571-8576.	3.7	22
48	Microwave assisted extraction-solid phase extraction for high-efficient and rapid analysis of monosaccharides in plants. <i>Talanta</i> , 2014, 129, 404-410.	2.9	21
49	Latent Redox Reporter of 4-Methoxyphenol as Electrochemical Signal Proxy for Real-Time Profiling of Endogenous H ₂ O ₂ in Living Cells. <i>ACS Sensors</i> , 2019, 4, 2450-2457.	4.0	21
50	Online monodisperse droplets based liquid-liquid extraction on a continuously flowing system by using microfluidic devices. <i>RSC Advances</i> , 2014, 4, 11919.	1.7	19
51	Statistical single-cell analysis of cell cycle-dependent quantum dot cytotoxicity and cellular uptake using a microfluidic system. <i>RSC Advances</i> , 2014, 4, 24929-24934.	1.7	19
52	A non-invasive genomic diagnostic method for bladder cancer using size-based filtration and microchip electrophoresis. <i>Talanta</i> , 2015, 144, 136-144.	2.9	19
53	Near-physiological microenvironment simulation on chip to evaluate drug resistance of different loci in tumour mass. <i>Talanta</i> , 2019, 191, 67-73.	2.9	18
54	The pathological structure of the perivascular niche in different microvascular patterns of glioblastoma. <i>PLoS ONE</i> , 2017, 12, e0182183.	1.1	18

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55	Fishing antitumor ingredients by G-quadruplex affinity from herbal extract on a three-phase-laminar-flow microfluidic chip. <i>Talanta</i> , 2020, 220, 121368.	2.9	17
56	Nephrocyte-neurocyte interaction and cellular metabolic analysis on membrane-integrated microfluidic device. <i>Science China Chemistry</i> , 2016, 59, 243-250.	4.2	15
57	Fractional factorial design based microwave-assisted extraction for the determination of organophosphorus and organochlorine residues in tobacco by using gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 542-549.	1.3	15
58	Homogenous deposition of matrix-analyte cocrystals on gold-nanobowl arrays for improving MALDI-MS signal reproducibility. <i>Chemical Communications</i> , 2019, 55, 2166-2169.	2.2	14
59	Inhibition Effect of Negative Air Ions on Adsorption between Volatile Organic Compounds and Environmental Particulate Matter. <i>Langmuir</i> , 2020, 36, 5078-5083.	1.6	14
60	A DNA-directed covalent conjugation fluorescence probe for in vitro detection of functional matrix metalloproteinases. <i>Analyst</i> , 2017, 142, 634-640.	1.7	12
61	Chip-based SALDI-MS for rapid determination of intracellular ratios of glutathione to glutathione disulfide. <i>Science China Chemistry</i> , 2019, 62, 142-150.	4.2	12
62	Coupling a microchip with electrospray ionization quadrupole time-of-flight mass spectrometer for peptide separation and identification. <i>Electrophoresis</i> , 2008, 29, 1889-1894.	1.3	11
63	A microscale solid-phase extraction poly(dimethylsiloxane) chip for enrichment and fluorescent detection of metal ions. <i>Talanta</i> , 2013, 116, 1005-1009.	2.9	11
64	Lipid profiling of mammalian cells with in situ matrix-assisted laser desorption ionization-mass spectrometry. <i>Science China Chemistry</i> , 2014, 57, 442-446.	4.2	11
65	Writing of nanowires via high viscosity-induced nano diffusive layer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11666-11671.	2.7	11
66	Determination of vitamin D in oily drops using a column-switching system with an on-line clean-up by supercritical fluid chromatography. <i>Talanta</i> , 2018, 190, 9-14.	2.9	11
67	Formation of Acetylene in the Reaction of Methane with Iron Carbide Cluster Anions FeC_3^+ under High-Temperature Conditions. <i>Angewandte Chemie</i> , 2018, 130, 2692-2696.	1.6	10
68	Combination of dynamic hollow fiber liquid-phase microextraction with HPLC analysis for the determination of UV filters in cosmetic products. <i>Science China Chemistry</i> , 2011, 54, 1627-1634.	4.2	9
69	Dynamic imaging of MYC and CDKN1A mRNAs as an indicator of cell G1-phase arrest. <i>Chemical Communications</i> , 2017, 53, 1900-1903.	2.2	9
70	On-chip solid phase extraction coupled with electrophoresis using modified magnetic microspheres as stationary phase. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2287-2294.	0.8	8
71	Quantification of selected monohydroxy metabolites of polycyclic aromatic hydrocarbons in human urine. <i>Science China Chemistry</i> , 2015, 58, 1579-1584.	4.2	8
72	Simultaneous extraction and determination of free and conjugated phytosterols in tobacco. <i>Journal of Separation Science</i> , 2016, 39, 2466-2473.	1.3	8

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73	Investigation of the lipidomic changes in differentiated glioblastoma cells after drug treatment using MALDI-MS. <i>Talanta</i> , 2021, 233, 122570.	2.9	8
74	Real-time monitoring the efficacy of 7-hydroxycoumarin to cells cultured on microfluidics in different extracellular pH environments by chip-mass spectrometry. <i>Talanta</i> , 2022, 243, 123331.	2.9	8
75	Hydrated negative air ions generated by air-water collision with TiO ₂ photocatalytic materials. <i>RSC Advances</i> , 2020, 10, 43420-43424.	1.7	7
76	Comparison and Optimization of Several Pretreatment Techniques for Determination of Decabrominated Diphenyl Ether in Polymer Samples by Gas Chromatography Mass Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 523-527.	0.8	6
77	Quantitative analysis of elements (C, N, O, Al, Si and Fe) in polyamide with wavelength dispersive X-ray fluorescence spectrometry. <i>Science China Chemistry</i> , 2013, 56, 1164-1170.	4.2	6
78	Molecularly imprinted polymer for pre-concentration of esculetin from tobacco followed by the UPLC analysis. <i>Science China Chemistry</i> , 2014, 57, 1751-1759.	4.2	6
79	In-situ Scatheless Cell Detachment Reveals Correlation between Adhesion Strength and Viability at Single-Cell Resolution. <i>Angewandte Chemie</i> , 2018, 130, 242-246.	1.6	6
80	Matrix-assisted laser desorption ionization mass spectrometry based quantitative analysis of cordycepin from <i>Cordyceps militaris</i> . <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 499-504.	2.4	4
81	A microchip to analyze single crystal growth and size-controllability. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1014-1020.	0.8	3
82	Determination of trace anions in liquefied petroleum gas using liquid absorption and electrokinetic migration for enrichment followed by ion chromatography. <i>Journal of Separation Science</i> , 2012, 35, 1365-1371.	1.3	2
83	Investigation of carbon deposition induced by pyrolytic decomposition of ethylene. <i>RSC Advances</i> , 2017, 7, 29639-29644.	1.7	2
84	Biomimetic multifactor stimulation method for analyzing the synergism of matrix stiffness and inorganic polyphosphates on cellular behaviors. <i>Talanta</i> , 2022, 241, 123222.	2.9	2
85	Altered fecal microbiomes and short chain fatty acids of crew members with periodic intake of prepackaged food in a ground-based space station simulator for 50 days. <i>Travel Medicine and Infectious Disease</i> , 2020, 36, 101480.	1.5	0