

# Hai-Fang Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84  
papers

2,309  
citations

28  
h-index

45  
g-index

85  
ext. papers

2,704  
ext. citations

7  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
84	Biomimetic multifactor stimulation method for analyzing the synergism of matrix stiffness and inorganic polyphosphates on cellular behaviors.. <i>Talanta</i> , <b>2022</b> , 241, 123222	6.2	
83	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> , <b>2022</b> , 243, 123331	6.2	0
82	Matrix-assisted laser desorption ionization mass spectrometry based quantitative analysis of cordycepin from. <i>Journal of Pharmaceutical Analysis</i> , <b>2021</b> , 11, 499-504	14	0
81	Investigation of the lipidomic changes in differentiated glioblastoma cells after drug treatment using MALDI-MS. <i>Talanta</i> , <b>2021</b> , 233, 122570	6.2	4
80	Inhibition Effect of Negative Air Ions on Adsorption between Volatile Organic Compounds and Environmental Particulate Matter. <i>Langmuir</i> , <b>2020</b> , 36, 5078-5083	4	8
79	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000165	24	78
78	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> , <b>2020</b> , 36, 101480	8.4	
77	Combination Stiffness Gradient with Chemical Stimulation Directs Glioma Cell Migration on a Microfluidic Chip. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 892-898	7.8	17
76	Fishing antitumor ingredients by G-quadruplex affinity from herbal extract on a three-phase-laminar-flow microfluidic chip. <i>Talanta</i> , <b>2020</b> , 220, 121368	6.2	7
75	Hydrated negative air ions generated by air-water collision with TiO photocatalytic materials.. <i>RSC Advances</i> , <b>2020</b> , 10, 43420-43424	3.7	2
74	Latent Redox Reporter of 4-Methoxyphenol as Electrochemical Signal Proxy for Real-Time Profiling of Endogenous HO in Living Cells. <i>ACS Sensors</i> , <b>2019</b> , 4, 2450-2457	9.2	11
73	Homogenous deposition of matrix-analyte cocrystals on gold-nanobowl arrays for improving MALDI-MS signal reproducibility. <i>Chemical Communications</i> , <b>2019</b> , 55, 2166-2169	5.8	9
72	Alteration of intracellular metabolome in osteosarcoma stem cells revealed by liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2019</b> , 204, 6-12	6.2	13
71	Chip-based SALDI-MS for rapid determination of intracellular ratios of glutathione to glutathione disulfide. <i>Science China Chemistry</i> , <b>2019</b> , 62, 142-150	7.9	8
70	Near-physiological microenvironment simulation on chip to evaluate drug resistance of different loci in tumour mass. <i>Talanta</i> , <b>2019</b> , 191, 67-73	6.2	10
69	An open-space microfluidic chip with fluid walls for online detection of VEGF rolling circle amplification. <i>Chemical Science</i> , <b>2019</b> , 10, 8571-8576	9.4	13
68	Formation of Acetylene in the Reaction of Methane with Iron Carbide Cluster Anions FeC <sub>3</sub> <sup>-</sup> under High-Temperature Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2692-2696	3.6	8

67	An on-chip intestine-liver model for multiple drugs absorption and metabolism behavior simulation. <i>Science China Chemistry</i> , <b>2018</b> , 61, 236-242	7.9	16
66	Multi-DNAzymes-functionalized gold nanoparticles for ultrasensitive chemiluminescence detection of thrombin on microchip. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1027, 76-82	6.6	32
65	Shear Stress-Enhanced Internalization of Cell Membrane Proteins Indicated by a Hairpin-Type DNA Probe. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5540-5545	7.8	23
64	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> , <b>2018</b> , 190, 9-14	6.2	8
63	Measurement of Cell-Matrix Adhesion at Single-Cell Resolution for Revealing the Functions of Biomaterials for Adherent Cell Culture. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9637-9643	7.8	18
62	Adhesion analysis of single circulating tumor cells on a base layer of endothelial cells using open microfluidics. <i>Chemical Science</i> , <b>2018</b> , 9, 7694-7699	9.4	36
61	A dual-functional microfluidic chip for on-line detection of interleukin-8 based on rolling circle amplification. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 652-660	11.8	35
60	In Situ Scatheless Cell Detachment Reveals Correlation between Adhesion Strength and Viability at Single-Cell Resolution. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 236-240	16.4	64
59	In Situ Scatheless Cell Detachment Reveals Correlation between Adhesion Strength and Viability at Single-Cell Resolution. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 242-246	3.6	6
58	Monodispersed Ag Nanoparticle in Layered Double Hydroxides as Matrix for Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44751-44759	9.5	20
57	Dynamic imaging of MYC and CDKN1A mRNAs as an indicator of cell G1-phase arrest. <i>Chemical Communications</i> , <b>2017</b> , 53, 1900-1903	5.8	7
56	Gold nanoparticles modified porous silicon chip for SALDI-MS determination of glutathione in cells. <i>Talanta</i> , <b>2017</b> , 168, 222-229	6.2	19
55	Study of antioxidant effects on malignant glioma cells by constructing a tumor-microvascular structure on microchip. <i>Analytica Chimica Acta</i> , <b>2017</b> , 978, 1-9	6.6	20
54	Multi-channel microfluidic chip-mass spectrometry platform for cell analysis. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1625-1630	8.1	37
53	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 874-879	16.4	103
52	A DNA-directed covalent conjugation fluorescence probe for in vitro detection of functional matrix metalloproteinases. <i>Analyt, The</i> , <b>2017</b> , 142, 634-640	5	9
51	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 892-897	3.6	29
50	Evaluation of drug combination for glioblastoma based on an intestine-liver metabolic model on microchip. <i>Analyt, The</i> , <b>2017</b> , 142, 3629-3638	5	19

49	Investigation of carbon deposition induced by pyrolytic decomposition of ethylene. <i>RSC Advances</i> , <b>2017</b> , 7, 29639-29644	3.7	2
48	Writing of nanowires via high viscosity-induced nano diffusive layer. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11666-11671	7.1	8
47	Inkjet automated single cells and matrices printing system for matrix-assisted laser desorption/ionization mass spectrometry. <i>Talanta</i> , <b>2017</b> , 162, 474-478	6.2	23
46	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> , <b>2017</b> , 40, 542-549	3.4	12
45	The pathological structure of the perivascular niche in different microvascular patterns of glioblastoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182183	3.7	11
44	Nephrocyte-neurocyte interaction and cellular metabolic analysis on membrane-integrated microfluidic device. <i>Science China Chemistry</i> , <b>2016</b> , 59, 243-250	7.9	12
43	Bisulfite induced chemiluminescence of g-C <sub>3</sub> N <sub>4</sub> nanosheets and enhanced by metal ions. <i>Nanoscale</i> , <b>2016</b> , 8, 4933-7	7.7	38
42	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> , <b>2016</b> , 153, 23-30	6.2	64
41	Simultaneous extraction and determination of free and conjugated phytosterols in tobacco. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 2466-73	3.4	7
40	Iron-Catalyzed Diastereoselective Synthesis of Unnatural Chiral Amino Acid Derivatives. <i>Organic Letters</i> , <b>2016</b> , 18, 3362-5	6.2	28
39	Integrated microfluidic system for cell co-culture and simulation of drug metabolism. <i>RSC Advances</i> , <b>2016</b> , 6, 54564-54572	3.7	37
38	Chemiluminescence Character of ZnS Quantum Dots with Bisulphite-Hydrogen Peroxide System in Acidic Medium. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 9308-9316	3.8	29
37	DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. <i>Chemical Science</i> , <b>2016</b> , 7, 5448-5452	9.4	39
36	Polyacrylamide-Polydivinylbenzene Decorated Membrane for Sundry Ionic Stabilized Emulsions Separation via a Facile Solvothermal Method. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21816-23	9.5	24
35	A non-invasive genomic diagnostic method for bladder cancer using size-based filtration and microchip electrophoresis. <i>Talanta</i> , <b>2015</b> , 144, 136-44	6.2	19
34	Quantification of selected monohydroxy metabolites of polycyclic aromatic hydrocarbons in human urine. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1579-1584	7.9	5
33	Assay of multiplex proteins from cell metabolism based on tunable aptamer and microchip electrophoresis. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 63, 105-111	11.8	41
32	Nitrite sensing based on the carbon dots-enhanced chemiluminescence from peroxytrifluoroacetic acid and carbonate. <i>Talanta</i> , <b>2015</b> , 132, 457-62	6.2	66

31	Engineering cell-compatible paper chips for cell culturing, drug screening, and mass spectrometric sensing. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2291-6	10.1	35
30	An in vitro liver model on microfluidic device for analysis of capecitabine metabolite using mass spectrometer as detector. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 322-328	11.8	51
29	Lipid profiling of mammalian cells with in situ matrix-assisted laser desorption ionization-mass spectrometry. <i>Science China Chemistry</i> , <b>2014</b> , 57, 442-446	7.9	11
28	Determination of gouty arthritis biomarkers in human urine using reversed-phase high-performance liquid chromatography. <i>Journal of Pharmaceutical Analysis</i> , <b>2014</b> , 4, 153-158	14	20
27	Silicon-hybrid carbon dots strongly enhance the chemiluminescence of luminol. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 805-811	5.8	27
26	Online monodisperse droplets based liquid-liquid extraction on a continuously flowing system by using microfluidic devices. <i>RSC Advances</i> , <b>2014</b> , 4, 11919	3.7	18
25	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> , <b>2014</b> , 1370, 9-16	4.5	22
24	Statistical single-cell analysis of cell cycle-dependent quantum dot cytotoxicity and cellular uptake using a microfluidic system. <i>RSC Advances</i> , <b>2014</b> , 4, 24929-24934	3.7	17
23	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> , <b>2014</b> , 56, 71-6	11.8	61
22	Microwave assisted extraction-solid phase extraction for high-efficient and rapid analysis of monosaccharides in plants. <i>Talanta</i> , <b>2014</b> , 129, 404-10	6.2	18
21	Molecularly imprinted polymer for pre-concentration of esculetin from tobacco followed by the UPLC analysis. <i>Science China Chemistry</i> , <b>2014</b> , 57, 1751-1759	7.9	5
20	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> , <b>2013</b> , 56, 1164-1170	7.9	5
19	A microscale solid-phase extraction poly(dimethylsiloxane) chip for enrichment and fluorescent detection of metal ions. <i>Talanta</i> , <b>2013</b> , 116, 1005-9	6.2	9
18	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> , <b>2013</b> , 85, 868-76	7.8	79
17	Application of carbon-based nanomaterials in sample preparation: a review. <i>Analytica Chimica Acta</i> , <b>2013</b> , 784, 1-17	6.6	325
16	Determination of ammonium on an integrated microchip with LED-induced fluorescence detection. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 564-70	6.4	24
15	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> , <b>2012</b> , 116, 19451-19457	3.8	67
14	Plasmon-Assisted Enhancement of the Ultraweak Chemiluminescence Using Cu/Ni Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14796-14803	3.8	31

13	Vortex solvent bar microextraction for phthalate esters from aqueous matrices. <i>Talanta</i> , <b>2012</b> , 100, 64-70	2	29
12	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> , <b>2012</b> , 35, 1365-1371	3.4	2
11	Determination of parabens in cosmetic products by solid-phase microextraction of poly(ethylene glycol) diacrylate thin film on fibers and ultra high-speed liquid chromatography with diode array detector. <i>Journal of Separation Science</i> , <b>2011</b> , 34, 1599-606	3.4	56
10	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> , <b>2011</b> , 54, 1627-1634	7.9	7
9	Cell signaling analysis by mass spectrometry under coculture conditions on an integrated microfluidic device. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 9306-13	7.8	43
8	A microfluidic approach for anticancer drug analysis based on hydrogel encapsulated tumor cells. <i>Analytica Chimica Acta</i> , <b>2010</b> , 665, 7-14	6.6	34
7	Chip-based enantioselective open-tubular capillary electrochromatography using bovine serum albumin-gold nanoparticle conjugates as the stationary phase. <i>Electrophoresis</i> , <b>2009</b> , 30, 1022-9	3.6	69
6	A microchip to analyze single crystal growth and size-controllability. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 1014-1020		3
5	On-chip solid phase extraction coupled with electrophoresis using modified magnetic microspheres as stationary phase. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 2287-2294		7
4	Applications of microfluidic systems in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 555-67	4.4	57
3	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> , <b>2009</b> , 25, 523-7	1.7	5
2	Coupling a microchip with electrospray ionization quadrupole time-of-flight mass spectrometer for peptide separation and identification. <i>Electrophoresis</i> , <b>2008</b> , 29, 1889-94	3.6	9
1	Hydrophilic, Breathable, and Washable Graphene Decorated Textile Assisted by Silk Sericin for Integrated Multimodal Smart Wearables. <i>Advanced Functional Materials</i> , 2200162	15.6	6