Jin-Ming Lin

List of Publications by Year
in descending order

452 papers	17,612 citations	12303 69 h-index	30010 103 g-index
462 all docs	462 docs citations	462 times ranked	14742 citing authors

#	Article	IF	Citations
1	Development, Characterization, and Application of Paper Spray Ionization. Analytical Chemistry, 2010, 82, 2463-2471.	3.2	599
2	Peroxynitrous-Acid-Induced Chemiluminescence of Fluorescent Carbon Dots for Nitrite Sensing. Analytical Chemistry, 2011, 83, 8245-8251.	3.2	419
3	Application of carbon-based nanomaterials in sample preparation: A review. Analytica Chimica Acta, 2013, 784, 1-17.	2.6	387
4	Preparation of Surface Imprinting Polymer Capped Mn-Doped ZnS Quantum Dots and Their Application for Chemiluminescence Detection of 4-Nitrophenol in Tap Water. Analytical Chemistry, 2010, 82, 7380-7386.	3.2	242
5	Chemiluminescent flow sensor for H2O2 based on the decomposition of H2O2 catalyzed by cobalt(II)-ethanolamine complex immobilized on resin. Analytica Chimica Acta, 2001, 426, 57-64.	2.6	233
6	Recent advances in graphene-based magnetic composites for magnetic solid-phase extraction. TrAC - Trends in Analytical Chemistry, 2018, 102, 60-74.	5.8	229
7	Magnetic solid-phase extraction based on octadecyl functionalization of monodisperse magnetic ferrite microspheres for the determination of polycyclic aromatic hydrocarbons in aqueous samples coupled with gas chromatographyâ€“mass spectrometry. Talanta, 2009, 77, 1037-1042.	2.9	224
8	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. Advanced Materials, 2020, 32, e2000165.	11.1	184
9	Reactive oxygen species and their chemiluminescence-detection methods. TrAC - Trends in Analytical Chemistry, 2006, 25, 985-995.	5.8	177
10	Classical oxidant induced chemiluminescence of fluorescent carbon dots. Chemical Communications, 2012, 48, 1051-1053.	2.2	177
11	Controlled assembly of heterotypic cells in a coreâ€“shell scaffold: organ in a droplet. Lab on A Chip, 2016, 16, 1346-1349.	3.1	169
12	Quantum dots-enhanced chemiluminescence: Mechanism and application. Coordination Chemistry Reviews, 2014, 263-264, 86-100.	9.5	166
13	A review on applications of chemiluminescence detection in food analysis. Analytica Chimica Acta, 2010, 670, 1-10.	2.6	154
14	Molecularly imprinted solid-phase extraction for the selective determination of 17Î²-estradiol in fishery samples with high performance liquid chromatography. Talanta, 2009, 78, 442-447.	2.9	151
15	Facile room-temperature synthesis of a spherical mesoporous covalent organic framework for ultrasensitive solid-phase microextraction of phenols prior to gas chromatography-tandem mass spectrometry. Chemical Engineering Journal, 2019, 369, 920-927.	6.6	146
16	Î²-Ketoenamine-linked covalent organic framework coating for ultra-high-performance solid-phase microextraction of polybrominated diphenyl ethers from environmental samples. Chemical Engineering Journal, 2019, 356, 926-933.	6.6	141
17	Determination of l-ascorbic acid in human serum by chemiluminescence based on hydrogen peroxideâ€“sodium hydrogen carbonateâ€“CdSe/CdS quantum dots system. Talanta, 2010, 81, 1688-1696.	2.9	138
18	Oxidation Reaction between Periodate and Polyhydroxyl Compounds and Its Application to Chemiluminescence. Analytical Chemistry, 1999, 71, 1760-1766.	3.2	133

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19	Production of superoxide anion radicals as evidence for carbon nanodots acting as electron donors by the chemiluminescence method. Chemical Communications, 2013, 49, 5871.	2.2	133
20	Single-Cell Analysis Using Drop-on-Demand Inkjet Printing and Probe Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2016, 88, 4354-4360.	3.2	123
21	Particle sorting using a porous membrane in a microfluidic device. Lab on A Chip, 2011, 11, 238-245.	3.1	120
22	Qualitative and Quantitative Analysis of Tumor Cell Metabolism via Stable Isotope Labeling Assisted Microfluidic Chip Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 1695-1701.	3.2	119
23	Characterization of drug permeability in Caco-2 monolayers by mass spectrometry on a membrane-based microfluidic device. Lab on A Chip, 2013, 13, 978.	3.1	118
24	Enhancement of Ultraweak Chemiluminescence from Reaction of Hydrogen Peroxide and Bisulfite by Water-Soluble Carbon Nanodots. Journal of Physical Chemistry C, 2011, 115, 21707-21714.	1.5	115
25	Determination of folic acid by chemiluminescence based on peroxomonosulfate-cobalt(II) system. Talanta, 2008, 74, 1154-1159.	2.9	114
26	Molecularly imprinted polymer as micro-solid phase extraction combined with high performance liquid chromatography to determine phenolic compounds in environmental water samples. Analytica Chimica Acta, 2009, 650, 70-76.	2.6	113
27	Recent advances in microfluidics combined with mass spectrometry: technologies and applications. Lab on A Chip, 2013, 13, 3309.	3.1	111
28	Biochemical analysis on microfluidic chips. TrAC - Trends in Analytical Chemistry, 2016, 80, 213-231.	5.8	108
29	Microheterogeneous systems of micelles and microemulsions as reaction media in chemiluminescent analysis. TrAC - Trends in Analytical Chemistry, 2003, 22, 99-107.	5.8	107
30	Molecularly imprinted solid-phase extraction combined with high performance liquid chromatography for analysis of phenolic compounds from environmental water samples. Journal of Hazardous Materials, 2009, 167, 282-288.	6.5	107
31	Determination of estrogens and bisphenol A in bovine milk by automated on-line C30 solid-phase extraction coupled with high-performance liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2009, 1216, 7539-7545.	1.8	104
32	Luminol Chemiluminescence in Unbuffered Solutions with a Cobalt(II)â^'Ethanolamine Complex Immobilized on Resin as Catalyst and Its Application to Analysis. Analytical Chemistry, 2001, 73, 5043-5051.	3.2	100
33	Chemiluminescent Reaction of Fluorescent Organic Compounds with KHSO5Using Cobalt(II) as Catalyst and Its First Application to Molecular Imprinting. Analytical Chemistry, 2000, 72, 1148-1155.	3.2	97
34	Chemiluminescence Arising from the Decomposition of Peroxymonocarbonate and Enhanced by CdTe Quantum Dots. Journal of Physical Chemistry A, 2010, 114, 10049-10058.	1.1	92
35	Aggregation-Induced Structure Transition of Protein-Stabilized Zinc/Copper Nanoclusters for Amplified Chemiluminescence. ACS Nano, 2015, 9, 2173-2183.	7.3	92
36	Imitation of drug metabolism in human liver and cytotoxicity assay using a microfluidic device coupled to mass spectrometric detection. Lab on A Chip, 2012, 12, 219-226.	3.1	91

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37	MoS₂-quantum dot triggered reactive oxygen species generation and depletion: responsible for enhanced chemiluminescence. Chemical Science, 2019, 10, 497-500.	3.7	89
38	Targeted isolation and analysis of single tumor cells with aptamer-encoded microwell array on microfluidic device. Lab on A Chip, 2012, 12, 5180.	3.1	88
39	Strategy for Signaling Molecule Detection by Using an Integrated Microfluidic Device Coupled with Mass Spectrometry to Study Cell-to-Cell Communication. Analytical Chemistry, 2013, 85, 868-876.	3.2	87
40	Layered Double Hydroxide-Supported Carbon Dots as an Efficient Heterogeneous Fenton-Like Catalyst for Generation of Hydroxyl Radicals. Journal of Physical Chemistry C, 2014, 118, 10441-10447.	1.5	85
41	Enantioseparation of D, L-Phenylalanine By Molecularly Imprinted Polymer Particles Filled Capillary Electrochromatography. Journal of Liquid Chromatography and Related Technologies, 1997, 20, 1489-1506.	0.5	84
42	Nitrite sensing based on the carbon dots-enhanced chemiluminescence from peroxynitrous acid and carbonate. Talanta, 2015, 132, 457-462.	2.9	83
43	Peroxynitrous-acid-induced chemiluminescence detection of nitrite based on Microfluidic chip. Talanta, 2016, 154, 73-79.	2.9	83
44	Experimental Studies on the Chemiluminescence Reaction Mechanism of Carbonate/Bicarbonate and Hydrogen Peroxide in the Presence of Cobalt(II). Journal of Physical Chemistry A, 2008, 112, 618-623.	1.1	82
45	Recent advances in microfluidic 3D cellular scaffolds for drug assays. TrAC - Trends in Analytical Chemistry, 2017, 87, 19-31.	5.8	82
46	Temperature effect on chiral recognition of some amino acids with molecularly imprinted polymer filled capillary electrochromatography. Biomedical Chromatography, 1997, 11, 298-302.	0.8	81
47	Microfluidic Cell Culture and Metabolism Detection with Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2010, 82, 5679-5685.	3.2	81
48	Homogeneous detection of concanavalin A using pyrene-conjugated maltose assembled graphene based on fluorescence resonance energy transfer. Biosensors and Bioelectronics, 2011, 26, 4497-4502.	5.3	81
49	Magnetic covalent triazine-based frameworks as magnetic solid-phase extraction adsorbents for sensitive determination of perfluorinated compounds in environmental water samples. Analytical and Bioanalytical Chemistry, 2018, 410, 1657-1665.	1.9	81
50	Aminothiols Sensing Based on Fluorosurfactant-Mediated Triangular Gold Nanoparticle-Catalyzed Luminol Chemiluminescence. Journal of Physical Chemistry C, 2011, 115, 10964-10970.	1.5	79
51	Chemiluminescence from the Decomposition of Peroxymonocarbonate Catalyzed by Gold Nanoparticles. Journal of Physical Chemistry B, 2008, 112, 7850-7855.	1.2	78
52	Recent advances in microchip-mass spectrometry for biological analysis. TrAC - Trends in Analytical Chemistry, 2014, 53, 84-97.	5.8	78
53	Inâ€…Situ Scatheless Cell Detachment Reveals Correlation between Adhesion Strength and Viability at Singleâ€Cell Resolution. Angewandte Chemie - International Edition, 2018, 57, 236-240.	7.2	78
54	Flow injection chemiluminescent determination of trace amounts of hydrogen peroxide in snow-water using KIO4â€“K2CO3 system. Analytica Chimica Acta, 1998, 371, 171-176.	2.6	77

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55	Enhancement of periodate-hydrogen peroxide chemiluminescence by nitrogen doped carbon dots and its application for the determination of pyrogallol and gallic acid. Talanta, 2016, 153, 23-30.	2.9	77
56	Ultra-weak chemiluminescence enhanced by facilely synthesized nitrogen-rich quantum dots through chemiluminescence resonance energy transfer and electron hole injection. Chemical Communications, 2017, 53, 5657-5660.	2.2	77
57	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. Analytical Chemistry, 2020, 92, 3867-3873.	3.2	77
58	Flow-injection analysis with chemiluminescent detection of sulphite using Na2CO3î—¸NaHCO3-Cu2+ system. Analytica Chimica Acta, 1996, 323, 69-74.	2.6	76
59	Polyphenylene core-conjugated microporous polymer coating for highly sensitive solid-phase microextraction of polar phenol compounds in water samples. Analytica Chimica Acta, 2018, 1015, 27-34.	2.6	76
60	A compactly integrated laser-induced fluorescence detector for microchip electrophoresis. Electrophoresis, 2004, 25, 1907-1915.	1.3	75
61	Specific detection of cysteine and homocysteine in biological fluids by tuning the pH values of fluorosurfactant-stabilized gold colloidal solution. Biosensors and Bioelectronics, 2011, 30, 211-215.	5.3	75
62	Recent developments in microfluidic devices for in vitro cell culture for cell-biology research. TrAC - Trends in Analytical Chemistry, 2012, 35, 150-164.	5.8	75
63	Immunomagnetic separation and rapid detection of bacteria using bioluminescence and microfluidics. Talanta, 2009, 79, 787-795.	2.9	73
64	Chemiluminescence behavior of the decomposition of hydrogen peroxide catalyzed by copper(II)â€“amino acid complexes and its application to the determination of tryptophan and phenylalanine. Analytica Chimica Acta, 2000, 409, 65-73.	2.6	71
65	Dean flow assisted cell ordering system for lipid profiling in single-cells using mass spectrometry. Chemical Communications, 2018, 54, 2595-2598.	2.2	71
66	A portable microchip for ultrasensitive and high-throughput assay of thrombin by rolling circle amplification and hemin/G-quadruplex system. Biosensors and Bioelectronics, 2014, 56, 71-76.	5.3	70
67	A novel approach for precisely controlled multiple cell patterning in microfluidic chips by inkjet printing and the detection of drug metabolism and diffusion. Analyst, The, 2016, 141, 2940-2947.	1.7	70
68	Recent advances in chemiluminescence based on carbonaceous dots. Advances in Colloid and Interface Science, 2017, 241, 24-36.	7.0	70
69	Automated on-line liquid chromatographyâ€“photodiode arrayâ€“mass spectrometry method with dilution line for the determination of bisphenol A and 4-octylphenol in serum. Journal of Chromatography A, 2006, 1133, 142-148.	1.8	69
70	Solid-phase extraction with C30 bonded silica for analysis of polycyclic aromatic hydrocarbons in airborne particulate matters by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2007, 1154, 74-80.	1.8	69
71	Development of high-performance magnetic chemiluminescence enzyme immunoassay for Î±-fetoprotein (AFP) in human serum. Clinica Chimica Acta, 2008, 393, 90-94.	0.5	69
72	Adsorption of environmental pollutants using magnetic hybrid nanoparticles modified with Î²-cyclodextrin. Applied Surface Science, 2014, 305, 267-273.	3.1	69

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73	Determination of bisphenol A based on chemiluminescence from gold(III)â€“peroxymonocarbonate. Talanta, 2010, 82, 1576-1580.	2.9	68
74	N-doped carbon dots/H2O2 chemiluminescence system for selective detection of Fe2+ ion in environmental samples. Talanta, 2019, 196, 370-375.	2.9	68
75	Determination of trace bisphenols in functional beverages through the magnetic solid-phase extraction with MOF-COF composite. Food Chemistry, 2021, 345, 128841.	4.2	68
76	Fabrication of Microwell Arrays Based on Two-Dimensional Ordered Polystyrene Microspheres for High-Throughput Single-Cell Analysis. Analytical Chemistry, 2010, 82, 9418-9424.	3.2	67
77	Determination of parabens in cosmetic products by solidâ€phase microextraction of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock detector. Journal of Separation Science, 2011, 34, 1599-1606.	1.3	67
78	Interfacing Microsampling Droplets and Mass Spectrometry by Paper Spray Ionization for Online Chemical Monitoring of Cell Culture. Analytical Chemistry, 2014, 86, 7128-7134.	3.2	67
79	Determination of cell metabolite VEGF165 and dynamic analysis of proteinâ€“DNA interactions by combination of microfluidic technique and luminescent switch-on probe. Biosensors and Bioelectronics, 2016, 79, 41-47.	5.3	65
80	Inkjet Printing Based Droplet Generation for Integrated Online Digital Polymerase Chain Reaction. Analytical Chemistry, 2018, 90, 5329-5334.	3.2	65
81	Graphene materials-based chemiluminescence for sensing. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 27, 54-71.	5.6	64
82	Development of a sensitive micro-magnetic chemiluminescence enzyme immunoassay for the determination of carcinoembryonic antigen. Analytical and Bioanalytical Chemistry, 2007, 387, 1965-1971.	1.9	63
83	Indirect- and direct-acting mutagenicity of diesel, coal and wood burning-derived particulates and contribution of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 695, 29-34.	0.9	63
84	Determination of Ammonia in Water Based on Chemiluminescence Resonance Energy Transfer between Peroxymonocarbonate and Branched NaYF₄:Yb³⁺/Er³⁺ Nanoparticles. Analytical Chemistry, 2012, 84, 8871-8879.	3.2	63
85	Evaluation of the Absorption of Methotrexate on Cells and Its Cytotoxicity Assay by Using an Integrated Microfluidic Device Coupled to a Mass Spectrometer. Analytical Chemistry, 2012, 84, 9230-9237.	3.2	62
86	Flow-injection chemiluminescent determination of nitrite in water based on the formation of peroxynitrite from the reaction of nitrite and hydrogen peroxide. Analytica Chimica Acta, 2002, 474, 107-114.	2.6	61
87	Facile fabrication of MIL-96 as coating fiber for solid-phase microextraction of trihalomethanes and halonitromethanes in water samples. Chemical Engineering Journal, 2018, 350, 240-247.	6.6	61
88	Peroxide induced ultra-weak chemiluminescence and its application in analytical chemistry. Analyst, The, 2013, 138, 5182.	1.7	60
89	Single-cell assay on microfluidic devices. Analyst, The, 2019, 144, 808-823.	1.7	60
90	Recent progress on microfluidic biosensors for rapid detection of pathogenic bacteria. Chinese Chemical Letters, 2022, 33, 1743-1751.	4.8	59

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91	An in vitro liver model on microfluidic device for analysis of capecitabine metabolite using mass spectrometer as detector. Biosensors and Bioelectronics, 2015, 68, 322-328.	5.3	58
92	Preparation of hydrophilic carbon-functionalized magnetic microspheres coated with chitosan and application in solid-phase extraction of bisphenol A in aqueous samples. Talanta, 2012, 89, 189-194.	2.9	56
93	Oxygen-induced cell migration and on-line monitoring biomarkers modulation of cervical cancers on a microfluidic system. Scientific Reports, 2015, 5, 9643.	1.6	56
94	Microfluidic technologies in cell isolation and analysis for biomedical applications. Analyst, The, 2017, 142, 421-441.	1.7	56
95	Chemiluminescent flow-through sensor for 1,10-phenanthroline based on the combination of molecular imprinting and chemiluminescence. Analyst, The, 2001, 126, 810-815.	1.7	55
96	Determination of total bilirubin in human serum by chemiluminescence from the reaction of bilirubin and peroxynitrite. Talanta, 2004, 63, 333-337.	2.9	55
97	Rare cell chemiluminescence detection based on aptamer-specific capture in microfluidic channels. Biosensors and Bioelectronics, 2011, 28, 438-442.	5.3	55
98	Development of dispersive solid-phase extraction with polyphenylene conjugated microporous polymers for sensitive determination of phenoxycarboxylic acids in environmental water samples. Journal of Hazardous Materials, 2019, 371, 433-439.	6.5	55
99	Cytotoxicity of quantum dots assay on a microfluidic 3D-culture device based on modeling diffusion process between blood vessels and tissues. Lab on A Chip, 2012, 12, 3474.	3.1	54
100	Inkjet Nanoinjection for High-Thoughput Chemiluminescence Immunoassay on Multicapillary Glass Plate. Analytical Chemistry, 2013, 85, 7413-7418.	3.2	54
101	Integrated Microfluidic Platform with Multiple Functions To Probe Tumorâ€“Endothelial Cell Interaction. Analytical Chemistry, 2017, 89, 10037-10044.	3.2	54
102	Emerging open microfluidics for cell manipulation. Chemical Society Reviews, 2021, 50, 5333-5348.	18.7	54
103	Simultaneous determination of inorganic anions and cations in explosive residues by ion chromatography. Talanta, 2008, 76, 241-245.	2.9	53
104	Improved Chemiluminescence in Fenton-Like Reaction via Dodecylbenzene-Sulfonate-Intercalated Layered Double Hydroxides. Journal of Physical Chemistry C, 2012, 116, 14711-14716.	1.5	53
105	Advances and Applications of Chemiluminescence Immunoassay in Clinical Diagnosis and Foods Safety. Chinese Journal of Analytical Chemistry, 2015, 43, 929-938.	0.9	52
106	DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. Chemical Science, 2016, 7, 5448-5452.	3.7	52
107	Spherical mesoporous covalent organic framework as a solid-phase extraction adsorbent for the ultrasensitive determination of sulfonamides in food and water samples by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1625, 461275.	1.8	52
108	Cell Signaling Analysis by Mass Spectrometry under Coculture Conditions on an Integrated Microfluidic Device. Analytical Chemistry, 2011, 83, 9306-9313.	3.2	51

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109	Advances in nanomaterial-based microfluidic platforms for on-site detection of foodborne bacteria. TrAC - Trends in Analytical Chemistry, 2022, 147, 116509.	5.8	51
110	Chemiluminescence study of carbonate and peroxynitrous acid and its application to the direct determination of nitrite based on solid surface enhancement. Analytica Chimica Acta, 2004, 510, 29-34.	2.6	50
111	Atmospheric behaviors of particulate-bound polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in Beijing, China from 2004 to 2010. Atmospheric Environment, 2017, 152, 354-361.	1.9	50
112	Microfluidic isolation of highly pure embryonic stem cells using feeder-separated co-culture system. Scientific Reports, 2013, 3, 2433.	1.6	49
113	Multi-channel microfluidic chip-mass spectrometry platform for cell analysis. Chinese Chemical Letters, 2017, 28, 1625-1630.	4.8	49
114	Study on the generation mechanism of reactive oxygen species on calcium peroxide by chemiluminescence and UVâ€visible spectra. Luminescence, 2007, 22, 575-580.	1.5	48
115	Flow-based luminescence-sensing methods for environmental water analysis. TrAC - Trends in Analytical Chemistry, 2009, 28, 75-87.	5.8	48
116	Controlled photopolymerization of hydrogel microstructures inside microchannels for bioassays. Lab on A Chip, 2009, 9, 1301.	3.1	48
117	Multi-DNAzymes-functionalized gold nanoparticles for ultrasensitive chemiluminescence detection of thrombin on microchip. Analytica Chimica Acta, 2018, 1027, 76-82.	2.6	48
118	A dual-functional microfluidic chip for on-line detection of interleukin-8 based on rolling circle amplification. Biosensors and Bioelectronics, 2018, 102, 652-660.	5.3	48
119	Development of a new hybrid technique for rapid speciation analysis by directly interfacing a microfluidic chip-based capillary electrophoresis system to atomic fluorescence spectrometry. Electrophoresis, 2005, 26, 2261-2268.	1.3	47
120	High-performance liquid chromatography assay of cysteine and homocysteine using fluorosurfactant-functionalized gold nanoparticles as postcolumn resonance light scattering reagents. Journal of Chromatography A, 2013, 1274, 145-150.	1.8	47
121	Assay of multiplex proteins from cell metabolism based on tunable aptamer and microchip electrophoresis. Biosensors and Bioelectronics, 2015, 63, 105-111.	5.3	47
122	Monitoring H₂O₂ on the Surface of Single Cells with Liquid Crystal Elastomer Microspheres. Angewandte Chemie - International Edition, 2020, 59, 9282-9287.	7.2	47
123	Continuous-flow microextraction and gas chromatographicâ€“mass spectrometric determination of polycyclic aromatic hydrocarbon compounds in water. Analytica Chimica Acta, 2007, 585, 294-299.	2.6	46
124	Determination of estradiol in human serum using magnetic particles-based chemiluminescence immunoassay. Analytica Chimica Acta, 2008, 627, 277-284.	2.6	46
125	Carbon nanodots sensitized chemiluminescence on peroxomonosulfateâ€“sulfiteâ€“hydrochloric acid system and its analytical applications. Talanta, 2012, 99, 471-477.	2.9	46
126	Analysis of keto-enol tautomers of curcumin by liquid chromatography/mass spectrometry. Chinese Chemical Letters, 2013, 24, 685-687.	4.8	46

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127	Bisulfite induced chemiluminescence of g-C₃N₄nanosheets and enhanced by metal ions. Nanoscale, 2016, 8, 4933-4937.	2.8	46
128	Pretreatment techniques and analytical methods for phenolic endocrine disrupting chemicals in food and environmental samples. TrAC - Trends in Analytical Chemistry, 2019, 119, 115592.	5.8	46
129	Single-cell identification by microfluidic-based in situ extracting and online mass spectrometric analysis of phospholipids expression. Chemical Science, 2020, 11, 253-256.	3.7	46
130	Combination Stiffness Gradient with Chemical Stimulation Directs Glioma Cell Migration on a Microfluidic Chip. Analytical Chemistry, 2020, 92, 892-898.	3.2	46
131	Capillary electrophoresis microchip coupled with on-line chemiluminescence detection. Analytica Chimica Acta, 2004, 508, 11-15.	2.6	45
132	Development of a micro-plate magnetic chemiluminescence enzyme immunoassay (MMCLEIA) for rapid- and high-throughput analysis of 17Î²-estradiol in water samples. Journal of Biotechnology, 2005, 118, 177-186.	1.9	45
133	Flow injection microfluidic device with on-line fluorescent derivatization for the determination of Cr(III) and Cr(VI) in water samples after solid phase extraction. Analytica Chimica Acta, 2017, 955, 58-66.	2.6	45
134	Controllable Synthesis of Multicompartmental Particles Using 3D Microfluidics. Angewandte Chemie - International Edition, 2020, 59, 2225-2229.	7.2	45
135	Chemiluminescence from NaClOâ€“H2O2 and enhanced by l-cysteine capped Mn-doped ZnS quantum-dots. Journal of Luminescence, 2011, 131, 1991-1997.	1.5	44
136	Application of magnetic N-doped carbon nanotubes in solid-phase extraction of trace bisphenols from fruit juices. Food Chemistry, 2018, 269, 413-418.	4.2	44
137	Adhesion analysis of single circulating tumor cells on a base layer of endothelial cells using open microfluidics. Chemical Science, 2018, 9, 7694-7699.	3.7	44
138	A simple and versatile microfluidic cell density gradient generator for quantum dot cytotoxicity assay. Lab on A Chip, 2013, 13, 1948.	3.1	43
139	Integrated microfluidic system for cell co-culture and simulation of drug metabolism. RSC Advances, 2016, 6, 54564-54572.	1.7	43
140	Integration of a flow-type chemiluminescence detector on a glass electrophoresis chip. Talanta, 2004, 64, 1024-1029.	2.9	42
141	Electrochemical detection of DNA hybridization based on bio-bar code method. Biosensors and Bioelectronics, 2009, 24, 3140-3143.	5.3	42
142	Analysis of trace metals in water samples using NOBIAS chelate resins by HPLC and ICP-MS. Talanta, 2019, 204, 50-56.	2.9	42
143	Reversal Behaviors of the Enantiomer Migration Order and the Stereo-selectivity of Cu(II) Complex with Amino Acid Enantiomers in Ligand Exchange-Micellar Electrokinetic Chromatography.. Analytical Sciences, 2000, 16, 131-137.	0.8	41
144	Imitation of drug metabolism in cell co-culture microcapsule model using a microfluidic chip platform coupled to mass spectrometry. Chinese Chemical Letters, 2020, 31, 451-454.	4.8	41

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145	Room-temperature synthesis of amino-functionalized magnetic covalent organic frameworks for efficient extraction of perfluoroalkyl acids in environmental water samples. Journal of Hazardous Materials, 2021, 407, 124782.	6.5	41
146	Chemiluminescence Energy Transfer Reaction for the On-Line Preparation of Peroxymonocarbonate and Eu(II)â^'Dipicolinate Complex. Journal of Physical Chemistry A, 2006, 110, 7509-7514.	1.1	40
147	Evaluation of carbohydrate antigen 50 in human serum using magnetic particle-based chemiluminescence enzyme immunoassay. Analytica Chimica Acta, 2007, 598, 261-267.	2.6	40
148	Engineering Cellâ€Compatible Paper Chips for Cell Culturing, Drug Screening, and Mass Spectrometric Sensing. Advanced Healthcare Materials, 2015, 4, 2291-2296.	3.9	40
149	Cell analysis on chip-mass spectrometry. TrAC - Trends in Analytical Chemistry, 2018, 107, 43-59.	5.8	40
150	Liquid crystal-based sensing platform for detection of Pb2+ assisted by DNAzyme and rolling circle amplification. Journal of Hazardous Materials, 2020, 400, 123218.	6.5	40
151	Determination of riboflavin by enhancing the chemiluminescence intensity of peroxomonosulfateâ€“cobalt(II) system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 66, 1222-1227.	2.0	39
152	Magnetic particle-based chemiluminescence enzyme immunoassay for free thyroxine in human serum. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 891-896.	1.4	39
153	Online Analysis of Drug Toxicity to Cells with Shear Stress on an Integrated Microfluidic Chip. ACS Sensors, 2019, 4, 521-527.	4.0	39
154	Speciation analysis of inorganic arsenic by microchip capillary electrophoresis coupled with hydride generation atomic fluorescence spectrometry. Journal of Chromatography A, 2005, 1081, 232-237.	1.8	38
155	Evaluation of Î±-fetoprotein (AFP) in human serum by chemiluminescence enzyme immunoassay with magnetic particles and coated tubes as solid phases. Analytica Chimica Acta, 2009, 631, 212-217.	2.6	38
156	Singlet oxygen generated from the decomposition of peroxymonocarbonate and its observation with chemiluminescence method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 126-132.	2.0	38
157	A microfluidic approach for anticancer drug analysis based on hydrogel encapsulated tumor cells. Analytica Chimica Acta, 2010, 665, 7-14.	2.6	38
158	Quantitative determination of VEGF165 in cell culture medium by aptamer sandwich based chemiluminescence assay. Talanta, 2017, 171, 197-203.	2.9	38
159	Development of a gel monolithic column polydimethylsiloxane microfluidic device for rapid electrophoresis separation. Talanta, 2006, 69, 226-231.	2.9	37
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