

Jin-Ming Lin

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444
papers

13,868
citations

62
h-index

92
g-index

462
ext. papers

15,812
ext. citations

6.4
avg, IF

6.97
L-index

#	Paper	IF	Citations
444	Development, characterization, and application of paper spray ionization. <i>Analytical Chemistry</i> , 2010 , 82, 2463-71	7.8	535
443	Peroxynitrous-acid-induced chemiluminescence of fluorescent carbon dots for nitrite sensing. <i>Analytical Chemistry</i> , 2011 , 83, 8245-51	7.8	364
442	Application of carbon-based nanomaterials in sample preparation: a review. <i>Analytica Chimica Acta</i> , 2013 , 784, 1-17	6.6	325
441	Chemiluminescent flow sensor for H ₂ O ₂ based on the decomposition of H ₂ O ₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin. <i>Analytica Chimica Acta</i> , 2001 , 426, 57-64	6.6	213
440	Preparation of surface imprinting polymer capped Mn-doped ZnS quantum dots and their application for chemiluminescence detection of 4-nitrophenol in tap water. <i>Analytical Chemistry</i> , 2010 , 82, 7380-6	7.8	210
439	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 chromatography-mass spectrometry. <i>Talanta</i> , 2009 , 77, 1037-42	6.2	206
438	Recent advances in graphene-based magnetic composites for magnetic solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 60-74	14.6	181
437	Classical oxidant induced chemiluminescence of fluorescent carbon dots. <i>Chemical Communications</i> , 2012 , 48, 1051-3	5.8	161
436	Reactive oxygen species and their chemiluminescence-detection methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 985-995	14.6	156
435	Quantum dots-enhanced chemiluminescence: Mechanism and application. <i>Coordination Chemistry Reviews</i> , 2014 , 263-264, 86-100	23.2	147
434	Molecularly imprinted solid-phase extraction for the selective determination of 17 β -estradiol in fishery samples with high performance liquid chromatography. <i>Talanta</i> , 2009 , 78, 442-7	6.2	135
433	A review on applications of chemiluminescence detection in food analysis. <i>Analytica Chimica Acta</i> , 2010 , 670, 1-10	6.6	134
432	Controlled assembly of heterotypic cells in a core-shell scaffold: organ in a droplet. <i>Lab on A Chip</i> , 2016 , 16, 1346-9	7.2	132
431	Determination of L-ascorbic acid in human serum by chemiluminescence based on hydrogen peroxide-sodium hydrogen carbonate-CdSe/CdS quantum dots system. <i>Talanta</i> , 2010 , 81, 1688-96	6.2	124
430	Oxidation Reaction between Periodate and Polyhydroxyl Compounds and Its Application to Chemiluminescence. <i>Analytical Chemistry</i> , 1999 , 71, 1760-6	7.8	123
429	Qualitative and quantitative analysis of tumor cell metabolism via stable isotope labeling assisted microfluidic chip electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 1695-701	7.8	112
428	Particle sorting using a porous membrane in a microfluidic device. <i>Lab on A Chip</i> , 2011 , 11, 238-45	7.2	108

427	Production of superoxide anion radicals as evidence for carbon nanodots acting as electron donors by the chemiluminescence method. <i>Chemical Communications</i> , 2013 , 49, 5871-3	5.8	106
426	Enhancement of Ultraweak Chemiluminescence from Reaction of Hydrogen Peroxide and Bisulfite by Water-Soluble Carbon Nanodots. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21707-21714	3.8	106
425	Molecularly imprinted polymer as micro-solid phase extraction combined with high performance liquid chromatography to determine phenolic compounds in environmental water samples. <i>Analytica Chimica Acta</i> , 2009 , 650, 70-6	6.6	103
424	Determination of estrogens and bisphenol A in bovine milk by automated on-line C30 solid-phase extraction coupled with high-performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 7539-45	4.5	101
423	Microheterogeneous systems of micelles and microemulsions as reaction media in chemiluminescent analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 99-107	14.6	99
422	β-Ketoenamine-linked covalent organic framework coating for ultra-high-performance solid-phase microextraction of polybrominated diphenyl ethers from environmental samples. <i>Chemical Engineering Journal</i> , 2019 , 356, 926-933	14.7	99
421	Recent advances in microfluidics combined with mass spectrometry: technologies and applications. <i>Lab on A Chip</i> , 2013 , 13, 3309-22	7.2	98
420	Characterization of drug permeability in Caco-2 monolayers by mass spectrometry on a membrane-based microfluidic device. <i>Lab on A Chip</i> , 2013 , 13, 978-85	7.2	98
419	Molecularly imprinted solid-phase extraction combined with high performance liquid chromatography for analysis of phenolic compounds from environmental water samples. <i>Journal of Hazardous Materials</i> , 2009 , 167, 282-8	12.8	98
418	Determination of folic acid by chemiluminescence based on peroxomonosulfate-cobalt(II) system. <i>Talanta</i> , 2008 , 74, 1154-9	6.2	97
417	Single-Cell Analysis Using Drop-on-Demand Inkjet Printing and Probe Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 4354-60	7.8	96
416	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. <i>Chemical Engineering Journal</i> , 2019 , 369, 920-927	14.7	86
415	Luminol chemiluminescence in unbuffered solutions with a cobalt(II)-ethanolamine complex immobilized on resin as catalyst and its application to analysis. <i>Analytical Chemistry</i> , 2001 , 73, 5043-51	7.8	86
414	Chemiluminescent reaction of fluorescent organic compounds with KHSO ₅ using cobalt(II) as catalyst and its first application to molecular imprinting. <i>Analytical Chemistry</i> , 2000 , 72, 1148-55	7.8	85
413	Biochemical analysis on microfluidic chips. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 80, 213-231	14.6	81
412	Aggregation-induced structure transition of protein-stabilized zinc/copper nanoclusters for amplified chemiluminescence. <i>ACS Nano</i> , 2015 , 9, 2173-83	16.7	81
411	Imitation of drug metabolism in human liver and cytotoxicity assay using a microfluidic device coupled to mass spectrometric detection. <i>Lab on A Chip</i> , 2012 , 12, 219-26	7.2	80
410	Chemiluminescence arising from the decomposition of peroxymonocarbonate and enhanced by CdTe quantum dots. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 10049-58	2.8	80

409	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, 868-76	7.8	79
408	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. <i>Advanced Materials</i> , 2020 , 32, e2000165	24	78
407	Targeted isolation and analysis of single tumor cells with aptamer-encoded microwell array on microfluidic device. <i>Lab on A Chip</i> , 2012 , 12, 5180-5	7.2	75
406	Experimental studies on the chemiluminescence reaction mechanism of carbonate/bicarbonate and hydrogen peroxide in the presence of cobalt(II). <i>Journal of Physical Chemistry A</i> , 2008 , 112, 618-23	2.8	75
405	Temperature effect on chiral recognition of some amino acids with molecularly imprinted polymer filled capillary electrochromatography. <i>Biomedical Chromatography</i> , 1997 , 11, 298-302	1.7	74
404	Recent advances in microchip-mass spectrometry for biological analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 84-97	14.6	73
403	Homogeneous detection of concanavalin A using pyrene-conjugated maltose assembled graphene based on fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4497-502	11.8	73
402	Chemiluminescence from the decomposition of peroxydicarbonate catalyzed by gold nanoparticles. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 7850-5	3.4	73
401	Recent advances in microfluidic 3D cellular scaffolds for drug assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 87, 19-31	14.6	72
400	Aminothiols Sensing Based on Fluorosurfactant-Mediated Triangular Gold Nanoparticle-Catalyzed Luminol Chemiluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10964-10970	3.8	72
399	Enantioseparation of D, L-Phenylalanine By Molecularly Imprinted Polymer Particles Filled Capillary Electrochromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997 , 20, 1489-1506 ¹⁻³		72
398	Microfluidic cell culture and metabolism detection with electrospray ionization quadrupole time-of-flight mass spectrometer. <i>Analytical Chemistry</i> , 2010 , 82, 5679-85	7.8	71
397	Specific detection of cysteine and homocysteine in biological fluids by tuning the pH values of fluorosurfactant-stabilized gold colloidal solution. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 211-5	11.8	69
396	Flow-injection analysis with chemiluminescent detection of sulphite using Na ₂ CO ₃ /NaHCO ₃ -Cu ²⁺ system. <i>Analytica Chimica Acta</i> , 1996 , 323, 69-74	6.6	69
395	Layered Double Hydroxide-Supported Carbon Dots as an Efficient Heterogeneous Fenton-Like Catalyst for Generation of Hydroxyl Radicals. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10441-10447	3.8	68
394	Nitrite sensing based on the carbon dots-enhanced chemiluminescence from peroxydicarbonate and carbonate. <i>Talanta</i> , 2015 , 132, 457-62	6.2	66
393	Chemiluminescence behavior of the decomposition of hydrogen peroxide catalyzed by copper(II) amino acid complexes and its application to the determination of tryptophan and phenylalanine. <i>Analytica Chimica Acta</i> , 2000 , 409, 65-73	6.6	66
392	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	6.2	64

391	Recent developments in microfluidic devices for in vitro cell culture for cell-biology research. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 35, 150-164	14.6	64
390	Immunomagnetic separation and rapid detection of bacteria using bioluminescence and microfluidics. <i>Talanta</i> , 2009 , 79, 787-95	6.2	64
389	Flow injection chemiluminescent determination of trace amounts of hydrogen peroxide in snow-water using KIO ₄ /K ₂ CO ₃ system. <i>Analytica Chimica Acta</i> , 1998 , 371, 171-176	6.6	64
388	A compactly integrated laser-induced fluorescence detector for microchip electrophoresis. <i>Electrophoresis</i> , 2004 , 25, 1907-15	3.6	64
387	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	16.4	64
386	Peroxynitrous-acid-induced chemiluminescence detection of nitrite based on Microfluidic chip. <i>Talanta</i> , 2016 , 154, 73-9	6.2	63
385	Solid-phase extraction with C30 bonded silica for analysis of polycyclic aromatic hydrocarbons in airborne particulate matters by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1154, 74-80	4.5	63
384	Interfacing microsampling droplets and mass spectrometry by paper spray ionization for online chemical monitoring of cell culture. <i>Analytical Chemistry</i> , 2014 , 86, 7128-34	7.8	62
383	Automated on-line liquid chromatography-photodiode array-mass spectrometry method with dilution line for the determination of bisphenol A and 4-octylphenol in serum. <i>Journal of Chromatography A</i> , 2006 , 1133, 142-8	4.5	62
382	Ultra-weak chemiluminescence enhanced by facilely synthesized nitrogen-rich quantum dots through chemiluminescence resonance energy transfer and electron hole injection. <i>Chemical Communications</i> , 2017 , 53, 5657-5660	5.8	61
381	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, 71-6	11.8	61
380	Adsorption of environmental pollutants using magnetic hybrid nanoparticles modified with Cyclodextrin. <i>Applied Surface Science</i> , 2014 , 305, 267-273	6.7	61
379	Development of high-performance magnetic chemiluminescence enzyme immunoassay for alpha-fetoprotein (AFP) in human serum. <i>Clinica Chimica Acta</i> , 2008 , 393, 90-4	6.2	61
378	Determination of cell metabolite VEGF and dynamic analysis of protein-DNA interactions by combination of microfluidic technique and luminescent switch-on probe. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 41-7	11.8	60
377	Development of a sensitive micro-magnetic chemiluminescence enzyme immunoassay for the determination of carcinoembryonic antigen. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1965-71	4.4	60
376	Recent advances in chemiluminescence based on carbonaceous dots. <i>Advances in Colloid and Interface Science</i> , 2017 , 241, 24-36	14.3	59
375	Polyphenylene core-conjugated microporous polymer coating for highly sensitive solid-phase microextraction of polar phenol compounds in water samples. <i>Analytica Chimica Acta</i> , 2018 , 1015, 27-34	6.6	59
374	Determination of ammonia in water based on chemiluminescence resonance energy transfer between peroxydicarbonate and branched NaYF ₄ :Yb ³⁺ /Er ³⁺ nanoparticles. <i>Analytical Chemistry</i> , 2012 , 84, 8871-9	7.8	59

373	Evaluation of the absorption of methotrexate on cells and its cytotoxicity assay by using an integrated microfluidic device coupled to a mass spectrometer. <i>Analytical Chemistry</i> , 2012 , 84, 9230-7	7.8	58
372	Magnetic covalent triazine-based frameworks as magnetic solid-phase extraction adsorbents for sensitive determination of perfluorinated compounds in environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1657-1665	4.4	57
371	Fabrication of microwell arrays based on two-dimensional ordered polystyrene microspheres for high-throughput single-cell analysis. <i>Analytical Chemistry</i> , 2010 , 82, 9418-24	7.8	57
370	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> , 2011 , 34, 1599-606	3.4	56
369	Determination of bisphenol A based on chemiluminescence from gold(III)-peroxymonocarbonate. <i>Talanta</i> , 2010 , 82, 1576-80	6.2	55
368	Flow-injection chemiluminescent determination of nitrite in water based on the formation of peroxynitrite from the reaction of nitrite and hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2002 , 474, 107-114	6.6	55
367	MoS-quantum dot triggered reactive oxygen species generation and depletion: responsible for enhanced chemiluminescence. <i>Chemical Science</i> , 2019 , 10, 497-500	9.4	54
366	Dean flow assisted cell ordering system for lipid profiling in single-cells using mass spectrometry. <i>Chemical Communications</i> , 2018 , 54, 2595-2598	5.8	54
365	A novel approach for precisely controlled multiple cell patterning in microfluidic chips by inkjet printing and the detection of drug metabolism and diffusion. <i>Analyst, The</i> , 2016 , 141, 2940-7	5	53
364	Rare cell chemiluminescence detection based on aptamer-specific capture in microfluidic channels. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 438-42	11.8	53
363	Indirect- and direct-acting mutagenicity of diesel, coal and wood burning-derived particulates and contribution of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010 , 695, 29-34	3	53
362	Peroxide induced ultra-weak chemiluminescence and its application in analytical chemistry. <i>Analyst, The</i> , 2013 , 138, 5182-93	5	52
361	Preparation of hydrophilic carbon-functionalized magnetic microspheres coated with chitosan and application in solid-phase extraction of bisphenol A in aqueous samples. <i>Talanta</i> , 2012 , 89, 189-94	6.2	52
360	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	11.8	51
359	Oxygen-induced cell migration and on-line monitoring biomarkers modulation of cervical cancers on a microfluidic system. <i>Scientific Reports</i> , 2015 , 5, 9643	4.9	50
358	Microfluidic technologies in cell isolation and analysis for biomedical applications. <i>Analyst, The</i> , 2017 , 142, 421-441	5	50
357	Cytotoxicity of quantum dots assay on a microfluidic 3D-culture device based on modeling diffusion process between blood vessels and tissues. <i>Lab on A Chip</i> , 2012 , 12, 3474-80	7.2	50
356	Chemiluminescent flow-through sensor for 1,10-phenanthroline based on the combination of molecular imprinting and chemiluminescence. <i>Analyst, The</i> , 2001 , 126, 810-5	5	49

355	Inkjet nanoinjection for high-throughput chemiluminescence immunoassay on multicapillary glass plate. <i>Analytical Chemistry</i> , 2013 , 85, 7413-8	7.8	48
354	Improved Chemiluminescence in Fenton-Like Reaction via Dodecylbenzene-Sulfonate-Intercalated Layered Double Hydroxides. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14711-14716	3.8	48
353	Inkjet Printing Based Droplet Generation for Integrated Online Digital Polymerase Chain Reaction. <i>Analytical Chemistry</i> , 2018 , 90, 5329-5334	7.8	46
352	Graphene materials-based chemiluminescence for sensing. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016 , 27, 54-71	16.4	46
351	Facile fabrication of MIL-96 as coating fiber for solid-phase microextraction of trihalomethanes and halonitromethanes in water samples. <i>Chemical Engineering Journal</i> , 2018 , 350, 240-247	14.7	45
350	Integrated Microfluidic Platform with Multiple Functions To Probe Tumor-Endothelial Cell Interaction. <i>Analytical Chemistry</i> , 2017 , 89, 10037-10044	7.8	45
349	Carbon nanodots sensitized chemiluminescence on peroxomonosulfate-sulfite-hydrochloric acid system and its analytical applications. <i>Talanta</i> , 2012 , 99, 471-7	6.2	45
348	Chemiluminescence study of carbonate and peroxyxynitrous acid and its application to the direct determination of nitrite based on solid surface enhancement. <i>Analytica Chimica Acta</i> , 2004 , 510, 29-34	6.6	45
347	Microfluidic isolation of highly pure embryonic stem cells using feeder-separated co-culture system. <i>Scientific Reports</i> , 2013 , 3, 2433	4.9	44
346	Cell signaling analysis by mass spectrometry under coculture conditions on an integrated microfluidic device. <i>Analytical Chemistry</i> , 2011 , 83, 9306-13	7.8	43
345	Determination of total bilirubin in human serum by chemiluminescence from the reaction of bilirubin and peroxyxynitrite. <i>Talanta</i> , 2004 , 63, 333-7	6.2	42
344	Assay of multiplex proteins from cell metabolism based on tunable aptamer and microchip electrophoresis. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 105-111	11.8	41
343	A simple and versatile microfluidic cell density gradient generator for quantum dot cytotoxicity assay. <i>Lab on A Chip</i> , 2013 , 13, 1948-54	7.2	41
342	Flow-based luminescence-sensing methods for environmental water analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 75-87	14.6	41
341	Electrochemical detection of DNA hybridization based on bio-bar code method. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3140-3	11.8	41
340	Development of a new hybrid technique for rapid speciation analysis by directly interfacing a microfluidic chip-based capillary electrophoresis system to atomic fluorescence spectrometry. <i>Electrophoresis</i> , 2005 , 26, 2261-8	3.6	41
339	Atmospheric behaviors of particulate-bound polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in Beijing, China from 2004 to 2010. <i>Atmospheric Environment</i> , 2017 , 152, 354-361	5.3	40
338	High-performance liquid chromatography assay of cysteine and homocysteine using fluorosurfactant-functionalized gold nanoparticles as postcolumn resonance light scattering reagents. <i>Journal of Chromatography A</i> , 2013 , 1274, 145-50	4.5	40

337	Controlled photopolymerization of hydrogel microstructures inside microchannels for bioassays. <i>Lab on A Chip</i> , 2009 , 9, 1301-5	7.2	40
336	Continuous-flow microextraction and gas chromatographic-mass spectrometric determination of polycyclic aromatic hydrocarbon compounds in water. <i>Analytica Chimica Acta</i> , 2007 , 585, 294-9	6.6	40
335	Capillary electrophoresis microchip coupled with on-line chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2004 , 508, 11-15	6.6	40
334	Single-cell assay on microfluidic devices. <i>Analyst, The</i> , 2019 , 144, 808-823	5	40
333	Analysis of keto-enol tautomers of curcumin by liquid chromatography/mass spectrometry. <i>Chinese Chemical Letters</i> , 2013 , 24, 685-687	8.1	39
332	Development of a micro-plate magnetic chemiluminescence enzyme immunoassay (MMCLEIA) for rapid- and high-throughput analysis of 17beta-estradiol in water samples. <i>Journal of Biotechnology</i> , 2005 , 118, 177-86	3.7	39
331	DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. <i>Chemical Science</i> , 2016 , 7, 5448-5452	9.4	39
330	N-doped carbon dots/HO chemiluminescence system for selective detection of Fe ion in environmental samples. <i>Talanta</i> , 2019 , 196, 370-375	6.2	39
329	Bisulfite induced chemiluminescence of g-C3N4 nanosheets and enhanced by metal ions. <i>Nanoscale</i> , 2016 , 8, 4933-7	7.7	38
328	Chemiluminescence from NaClO ₂ and enhanced by l-cysteine capped Mn-doped ZnS quantum-dots. <i>Journal of Luminescence</i> , 2011 , 131, 1991-1997	3.8	38
327	Simultaneous determination of inorganic anions and cations in explosive residues by ion chromatography. <i>Talanta</i> , 2008 , 76, 241-5	6.2	38
326	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. <i>Analytica Chimica Acta</i> , 2017 , 955, 58-66	6.6	37
325	Multi-channel microfluidic chip-mass spectrometry platform for cell analysis. <i>Chinese Chemical Letters</i> , 2017 , 28, 1625-1630	8.1	37
324	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.. <i>Analytical Sciences</i> , 2000 , 16, 131-137	1.7	37
323	Integrated microfluidic system for cell co-culture and simulation of drug metabolism. <i>RSC Advances</i> , 2016 , 6, 54564-54572	3.7	37
322	Advances and Applications of Chemiluminescence Immunoassay in Clinical Diagnosis and Foods Safety. <i>Chinese Journal of Analytical Chemistry</i> , 2015 , 43, 929-938	1.6	36
321	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. <i>Analytical Chemistry</i> , 2020 , 92, 3867-3873	7.8	36
320	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	9.4	36

319	Study on the generation mechanism of reactive oxygen species on calcium peroxide by chemiluminescence and UV-visible spectra. <i>Luminescence</i> , 2007 , 22, 575-80	2.5	36
318	Determination of estradiol in human serum using magnetic particles-based chemiluminescence immunoassay. <i>Analytica Chimica Acta</i> , 2008 , 627, 277-84	6.6	36
317	Development of dispersive solid-phase extraction with polyphenylene conjugated microporous polymers for sensitive determination of phenoxycarboxylic acids in environmental water samples. <i>Journal of Hazardous Materials</i> , 2019 , 371, 433-439	12.8	35
316	Engineering cell-compatible paper chips for cell culturing, drug screening, and mass spectrometric sensing. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2291-6	10.1	35
315	Determination of benzo[a]pyrene-7,10-quinone in airborne particulates by using a chemiluminescence reaction of hydrogen peroxide and hydrosulfite. <i>Analytical Chemistry</i> , 2012 , 84, 3215-21	7.8	35
314	Chemiluminescence energy transfer reaction for the on-line preparation of peroxymonocarbonate and Eu(II)-dipicolinate complex. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7509-14	2.8	35
313	Integration of a flow-type chemiluminescence detector on a glass electrophoresis chip. <i>Talanta</i> , 2004 , 64, 1024-9	6.2	35
312	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	11.8	35
311	Flow-injection analysis of hydrogen peroxide based on carbon nanospheres catalyzed hydrogen carbonate-hydrogen peroxide chemiluminescent reaction. <i>Analyst, The</i> , 2011 , 136, 1957-64	5	34
310	Singlet oxygen generated from the decomposition of peroxymonocarbonate and its observation with chemiluminescence method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 72, 126-32	4.4	34
309	A microfluidic approach for anticancer drug analysis based on hydrogel encapsulated tumor cells. <i>Analytica Chimica Acta</i> , 2010 , 665, 7-14	6.6	34
308	Evaluation of alpha-fetoprotein (AFP) in human serum by chemiluminescence enzyme immunoassay with magnetic particles and coated tubes as solid phases. <i>Analytica Chimica Acta</i> , 2009 , 631, 212-7	6.6	33
307	Speciation analysis of inorganic arsenic by microchip capillary electrophoresis coupled with hydride generation atomic fluorescence spectrometry. <i>Journal of Chromatography A</i> , 2005 , 1081, 232-7	4.5	33
306	Multi-DNAzymes-functionalized gold nanoparticles for ultrasensitive chemiluminescence detection of thrombin on microchip. <i>Analytica Chimica Acta</i> , 2018 , 1027, 76-82	6.6	32
305	Online Monitoring of Lactate Efflux by Multi-Channel Microfluidic Chip-Mass Spectrometry for Rapid Drug Evaluation. <i>ACS Sensors</i> , 2016 , 1, 344-347	9.2	32
304	Development and applications of paper-based electrospray ionization-mass spectrometry for monitoring of sequentially generated droplets. <i>Analyst, The</i> , 2013 , 138, 2163-70	5	32
303	Organo-Modified Layered Double Hydroxides Switch-On Chemiluminescence. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6371-6375	3.8	32
302	Multi-channel microfluidic devices combined with electrospray ionization quadrupole time-of-flight mass spectrometry applied to the monitoring of glutamate release from neuronal cells. <i>Analyst, The</i> , 2010 , 135, 2043-50	5	32

301	Development of a gel monolithic column polydimethylsiloxane microfluidic device for rapid electrophoresis separation. <i>Talanta</i> , 2006 , 69, 226-31	6.2	32
300	Separation of catecholamines by microchip electrophoresis with a simple integrated laser-induced fluorescence detector. <i>Analytica Chimica Acta</i> , 2006 , 565, 183-189	6.6	32
299	Plasmon-Assisted Enhancement of the Ultraweak Chemiluminescence Using Cu/Ni Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14796-14803	3.8	31
298	Fluorosurfactant-prepared triangular gold nanoparticles as postcolumn chemiluminescence reagents for high-performance liquid chromatography assay of low molecular weight amino thiols in biological fluids. <i>Journal of Chromatography A</i> , 2011 , 1218, 9064-70	4.5	31
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