

MartinÂ m F Choi

List of Publications by Year in descending order

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209
papers

8,301
citations

41258

49
h-index

60497

81
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209
all docs

209
docs citations

209
times ranked

10707
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved sensitivity non-enzymatic glucose sensor based on a CuO nanowire modified Cu electrode. <i>Analyst</i> , The, 2008, 133, 126-132.	1.7	449
2	Electrogenerated Chemiluminescence Behavior of Graphite-like Carbon Nitride and Its Application in Selective Sensing Cu ²⁺ . <i>Analytical Chemistry</i> , 2012, 84, 4754-4759.	3.2	344
3	Facile synthesis of nitrogen-doped carbon dots for Fe ³⁺ sensing and cellular imaging. <i>Analytica Chimica Acta</i> , 2015, 861, 74-84.	2.6	283
4	Phosphorus and Nitrogen Dual-Doped Hollow Carbon Dot as a Nanocarrier for Doxorubicin Delivery and Biological Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11288-11297.	4.0	252
5	Simultaneous determination of l-ascorbic acid, dopamine and uric acid with gold nanoparticles- β -cyclodextrin-graphene-modified electrode by square wave voltammetry. <i>Talanta</i> , 2012, 93, 79-85.	2.9	227
6	Synthesis and Characterization of High-Quality Water-Soluble Near-Infrared-Emitting CdTe/CdS Quantum Dots Capped by N-Acetyl-L-cysteine Via Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1293-1300.	1.5	148
7	A sensitive AgNPs/CuO nanofibers non-enzymatic glucose sensor based on electrospinning technology. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 431-438.	4.0	148
8	Microwave-assisted synthesis of BSA-stabilized and HSA-protected gold nanoclusters with red emission. <i>Journal of Materials Chemistry</i> , 2012, 22, 1000-1005.	6.7	146
9	Low temperature synthesis of phosphorous and nitrogen co-doped yellow fluorescent carbon dots for sensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6813-6819.	2.9	144
10	Inhibition of beta β 40 amyloid fibrillation with N-acetyl-L-cysteine capped quantum dots. <i>Biomaterials</i> , 2010, 31, 91-98.	5.7	131
11	Development and analytical application of an uric acid biosensor using an uricase-immobilized eggshell membrane. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1791-1797.	5.3	127
12	Homocysteine-protected gold-coated magnetic nanoparticles: synthesis and characterisation. <i>Journal of Materials Chemistry</i> , 2007, 17, 2418.	6.7	123
13	Biosensors for determination of glucose with glucose oxidase immobilized on an eggshell membrane. <i>Talanta</i> , 2004, 64, 546-553.	2.9	117
14	Microwave-assisted non-aqueous homogenous precipitation of nanoball-like mesoporous γ -Ni(OH) ₂ as a precursor for NiOx and its application as a pseudocapacitor. <i>Journal of Materials Chemistry</i> , 2012, 22, 8029.	6.7	117
15	Properties and characterization of biosurfactant in crude oil biodegradation by bacterium <i>Bacillus methylotrophicus</i> USTBa. <i>Fuel</i> , 2014, 122, 140-148.	3.4	108
16	Preparation of gold nanoparticles on eggshell membrane and their biosensing application. <i>Talanta</i> , 2010, 82, 177-183.	2.9	100
17	Using live algae at the anode of a microbial fuel cell to generate electricity. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15621-15635.	2.7	95
18	An efficient biosurfactant-producing and crude-oil emulsifying bacterium <i>Bacillus methylotrophicus</i> USTBa isolated from petroleum reservoir. <i>Biochemical Engineering Journal</i> , 2013, 74, 46-53.	1.8	92

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19	Separation and preconcentration of persistent organic pollutants by cloud point extraction. <i>Journal of Chromatography A</i> , 2010, 1217, 2306-2317.	1.8	91
20	Progress in Enzyme-Based Biosensors Using Optical Transducers. <i>Mikrochimica Acta</i> , 2004, 148, 107-132.	2.5	90
21	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. <i>Nanoscale</i> , 2014, 6, 8162.	2.8	89
22	Green synthesis of fluorescent nitrogen/sulfur-doped carbon dots and investigation of their properties by HPLC coupled with mass spectrometry. <i>RSC Advances</i> , 2014, 4, 18065-18073.	1.7	88
23	Gold nanoparticles-coated eggshell membrane with immobilized glucose oxidase for fabrication of glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 49-55.	4.0	87
24	Glutathione-protected fluorescent gold nanoclusters for sensitive and selective detection of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 583-588.	4.0	84
25	Application of HPLC and MALDI-TOF MS for Studying As-Synthesized Ligand-Protected Gold Nanoclusters Products. <i>Analytical Chemistry</i> , 2009, 81, 1676-1685.	3.2	79
26	Fast Growth Synthesis of Silver Dendrite Crystals Assisted by Sulfate Ion and Its Application for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9943-9951.	1.5	79
27	In vivo antioxidative effect of isoquercitrin on cadmium-induced oxidative damage to mouse liver and kidney. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 437-445.	1.4	79
28	Humidity-sensitive optode membrane based on a fluorescent dye immobilized in gelatin film Presented at the Third International Symposium of Worldwide Chinese Scholars on Analytical Chemistry, 16 th December 1998, Hong Kong, China.1. <i>Analytica Chimica Acta</i> , 1999, 378, 127-134.	2.6	77
29	Aspartame Optical Biosensor with Bienzyme-Immobilized Eggshell Membrane and Oxygen-Sensitive Optode Membrane. <i>Analytical Chemistry</i> , 2002, 74, 863-870.	3.2	77
30	An optical glucose biosensor with eggshell membrane as an enzyme immobilisation platform. <i>Analyst, The</i> , 2001, 126, 1558-1563.	1.7	74
31	Fluorimetric optode membrane for sulfide detection. <i>Analyst, The</i> , 1998, 123, 1631-1634.	1.7	71
32	Ion-Pair Chromatographic Separation of Water-Soluble Gold Monolayer-Protected Clusters. <i>Analytical Chemistry</i> , 2006, 78, 2779-2785.	3.2	70
33	A fluorescent glucose biosensor based on immobilized glucose oxidase on bamboo inner shell membrane. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1613-1620.	5.3	70
34	Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods. <i>Journal of Hazardous Materials</i> , 2009, 167, 846-851.	6.5	68
35	High-quality water-soluble luminescent carbon dots for multicolor patterning, sensors, and bioimaging. <i>RSC Advances</i> , 2015, 5, 16972-16979.	1.7	68
36	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. <i>RSC Advances</i> , 2015, 5, 11667-11675.	1.7	68

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37	Immobilization of beef liver catalase on eggshell membrane for fabrication of hydrogen peroxide biosensor. <i>Enzyme and Microbial Technology</i> , 2004, 34, 41-47.	1.6	67
38	Toxicity of three phenolic compounds and their mixtures on the gram-positive bacteria <i>Bacillus subtilis</i> in the aquatic environment. <i>Science of the Total Environment</i> , 2010, 408, 1043-1049.	3.9	66
39	Capillary electrophoretic study of amine/carboxylic acid-functionalized carbon nanodots. <i>Journal of Chromatography A</i> , 2013, 1304, 234-240.	1.8	66
40	Application of a biosensor for monitoring of ethanol. <i>Biosensors and Bioelectronics</i> , 2007, 23, 121-129.	5.3	63
41	Facile Fabrication of Porous CuS Nanotubes Using Well-Aligned [Cu(tu)]Cl ₂ ·1/2H ₂ O Nanowire Precursors as Self-Sacrificial Templates. <i>Crystal Growth and Design</i> , 2009, 9, 2546-2548.	1.4	63
42	A homocysteine biosensor with eggshell membrane as an enzyme immobilization platform. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 936-942.	4.0	62
43	Microcalorimetric study the toxic effect of hexavalent chromium on microbial activity of Wuhan brown sandy soil: An in vitro approach. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 289-295.	2.9	56
44	An optical glucose biosensor based on entrapped-glucose oxidase in silicate xerogel hybridised with hydroxyethyl carboxymethyl cellulose. <i>Analytica Chimica Acta</i> , 2004, 514, 219-226.	2.6	54
45	SPE/HPLC/UV studies on acrylamide in deep-fried flour-based indigenous Chinese foods. <i>Microchemical Journal</i> , 2008, 89, 90-97.	2.3	54
46	Fast microwave synthesis of Fe ₃ O ₄ and Fe ₃ O ₄ /Ag magnetic nanoparticles using Fe ²⁺ as precursor. <i>Inorganic Materials</i> , 2010, 46, 1106-1111.	0.2	53
47	Synthesis and Characterization of <i>n</i> -Alkylamine-Stabilized Palladium Nanoparticles for Electrochemical Oxidation of Methane. <i>Journal of Physical Chemistry C</i> , 2010, 114, 723-733.	1.5	52
48	Synthesis of 1.4 nm β -Cyclodextrin-Protected Gold Nanoparticles for Luminescence Sensing of Mercury(II) with Picomolar Detection Limit. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15995-16003.	1.5	51
49	Determination of five nitroimidazole residues in artificial porcine muscle tissue samples by capillary electrophoresis. <i>Talanta</i> , 2012, 88, 646-652.	2.9	50
50	Single standard calibration for an optical oxygen sensor based on luminescence quenching of a ruthenium complex. <i>Analytica Chimica Acta</i> , 2000, 403, 57-65.	2.6	49
51	Hydrogel Network Entrapping Cholesterol Oxidase and Octadecylsilica for Optical Biosensing in Hydrophobic Organic or Aqueous Micelle Solvents. <i>Analytical Chemistry</i> , 2003, 75, 4019-4027.	3.2	49
52	Microcalorimetric investigation of the effect of non-ionic surfactant on biodegradation of pyrene by PAH-degrading bacteria <i>Burkholderia cepacia</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 361-367.	2.9	48
53	HPLC-UV quantitative analysis of acrylamide in baked and deep-fried Chinese foods. <i>Journal of Food Composition and Analysis</i> , 2013, 31, 7-11.	1.9	48
54	A combination method to study microbial communities and activities in zinc contaminated soil. <i>Journal of Hazardous Materials</i> , 2009, 169, 875-881.	6.5	46

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55	Fast microwave-assisted synthesis of AuAg bimetallic nanoclusters with strong yellow emission and their response to mercury(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 386-392.	4.0	46
56	Capillary Electrophoresis, Mass Spectrometry, and UV-Visible Absorption Studies on Electrolyte-Induced Fractionation of Gold Nanoclusters. <i>Analytical Chemistry</i> , 2008, 80, 2439-2446.	3.2	44
57	Activation of nylon net and its application to a biosensor for determination of glucose in human serum. <i>Enzyme and Microbial Technology</i> , 2009, 44, 249-253.	1.6	43
58	Isolation and characterization of crude-oil-degrading bacteria from oil-water mixture in Dagang oilfield, China. <i>International Biodeterioration and Biodegradation</i> , 2014, 87, 52-59.	1.9	43
59	Dissolved oxygen sensor based on fluorescence quenching of oxygen-sensitive ruthenium complex immobilized on silicaâ€“Niâ€“P composite coating. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 172-176.	4.0	42
60	Application of capillary zone electrophoresis for separation of waterâ€“soluble gold monolayerâ€“protected clusters. <i>Electrophoresis</i> , 2008, 29, 2330-2339.	1.3	42
61	On-line flow injection-cloud point preconcentration of polycyclic aromatic hydrocarbons coupled with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1214, 11-16.	1.8	42
62	Low-potential amperometric detection of dopamine based on MnO ₂ nanowires/chitosan modified gold electrode. <i>Electrochimica Acta</i> , 2013, 89, 832-839.	2.6	42
63	Investigation on DNA assembly to neutral red-cyclodextrin complex by molecular spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2004, 74, 127-134.	1.7	40
64	Impact of beta-cypermethrin on soil microbial community associated with its bioavailability: A combined study by isothermal microcalorimetry and enzyme assay techniques. <i>Journal of Hazardous Materials</i> , 2011, 189, 323-328.	6.5	40
65	Characterization and Analytical Separation of Fluorescent Carbon Nanodots. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-23.	1.5	40
66	Retention behaviour and fluorimetric detection of procaine hydrochloride using carboxymethyl-Î²-cyclodextrin as an additive in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 919, 321-329.	1.8	39
67	Spectroscopic studies on the interaction of Safranin T with DNA in Î²-cyclodextrin and carboxymethyl-Î²-cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 169, 153-158.	2.0	39
68	Doped zinc sulfide quantum dots based phosphorescence turn-off/on probe for detecting histidine in biological fluid. <i>Analytica Chimica Acta</i> , 2015, 856, 82-89.	2.6	38
69	Development of an optical hydrogen sulphide sensor. <i>Sensors and Actuators B: Chemical</i> , 2003, 90, 211-215.	4.0	37
70	CE with LEDâ€“based detection: An update. <i>Electrophoresis</i> , 2009, 30, 189-202.	1.3	37
71	Ultrahigh performance liquid chromatographic analysis and magnetic preconcentration of polycyclic aromatic hydrocarbons by Fe ₃ O ₄ -doped polymeric nanoparticles. <i>Journal of Chromatography A</i> , 2012, 1247, 1-9.	1.8	37
72	Better understanding of carbon nanoparticles via highâ€“performance liquid chromatographyâ€“fluorescence detection and mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 2454-2462.	1.3	36

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73	Highly selective and sensitive nanoprobe for Hg(II) ions based on photoluminescent gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 386-393.	4.0	36
74	A glucose biosensor with enzyme-entrapped sol-gel and an oxygen-sensitive optode membrane. <i>Analyst</i> , 2000, 125, 157-162.	1.7	35
75	Methane sensor based on nanocomposite of palladium/multi-walled carbon nanotubes grafted with 1,6-hexanediamine. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 453-459.	4.0	35
76	Luminescence and binding properties of two isoquinoline alkaloids chelerythrine and sanguinarine with ctDNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 80-85.	2.0	35
77	Probing Histidine-Stabilized Gold Nanoclusters Product by High-Performance Liquid Chromatography and Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18697-18708.	1.5	35
78	Oxygen-sensitive reverse-phase optode membrane using silica gel-adsorbed ruthenium(II) complex embedded in gelatin film. This work was submitted to Chinese Patent office for patent application (Application no. 98 1 12477.1) on 12 May 1998.1. <i>Analytica Chimica Acta</i> , 1999, 387, 197-205.	2.6	34
79	High-performance liquid chromatographic analysis of as-synthesised N,N'-dimethylformamide-stabilised gold nanoclusters product. <i>Nanoscale</i> , 2012, 4, 5325.	2.8	34
80	Synthesis of High-Quality N-Acetyl-Cysteine-Capped CdTe Quantum Dots by Hydrothermal Route and the Characterization through MALDI-TOF Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19175-19181.	1.5	33
81	High-performance liquid chromatographic and mass spectrometric analysis of fluorescent carbon nanodots. <i>Talanta</i> , 2014, 129, 529-538.	2.9	33
82	Mode-filtered light methane gas sensor based on cryptophane A. <i>Analytica Chimica Acta</i> , 2009, 633, 238-243.	2.6	32
83	Whole-cell biosensor for determination of methanol. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 586-591.	4.0	32
84	Separation of tyrosine enantiomer derivatives by capillary electrophoresis with light-emitting diode-induced fluorescence detection. <i>Talanta</i> , 2009, 78, 1167-1172.	2.9	31
85	A biosensing method with enzyme-immobilized eggshell membranes for determination of total glucosinolates in vegetables. <i>Enzyme and Microbial Technology</i> , 2005, 36, 91-99.	1.6	29
86	In situ synthesis of gold nanoparticles on porous polyacrylonitrile nanofibers for sensing applications. <i>Analyst</i> , 2011, 136, 4545.	1.7	29
87	Application of hydrophobic palladium nanoparticles for the development of electrochemical glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4619-4623.	5.3	29
88	Combination of pentafluorophenylhydrazine derivatization and isotope dilution LC-MS/MS techniques for the quantification of apurinic/aprimidinic sites in cellular DNA. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4059-4066.	1.9	29
89	Application of a long shelf-life biosensor for the analysis of l-lactate in dairy products and serum samples. <i>Food Chemistry</i> , 2005, 92, 575-581.	4.2	28
90	A new luminol derivative as a fluorescent probe for trace analysis of copper(II). <i>Mikrochimica Acta</i> , 2009, 164, 411-417.	2.5	28

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91	A simple and sensitive CE method for the simultaneous determination of catecholamines in urine with in-column optical fiber light-emitting diode-induced fluorescence detection. <i>Talanta</i> , 2011, 85, 1279-1284.	2.9	28
92	Fluorescence quenching for chloramphenicol detection in milk based on protein-stabilized Au nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 615-620.	2.0	28
93	Electro-catalytic oxidation of methane at multi-walled carbon nanotubes-Nafion/nickel hydroxide modified nickel electrode. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 402-407.	4.0	27
94	Influence of short-time imidacloprid and acetamiprid application on soil microbial metabolic activity and enzymatic activity. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10129-10138.	2.7	27
95	Spongiform Immobilization Architecture of Ionotropy Polymer Hydrogel Coentrapping Alcohol Oxidase and Horseradish Peroxidase with Octadecylsilica for Optical Biosensing Alcohol in Organic Solvent. <i>Analytical Chemistry</i> , 2004, 76, 4279-4285.	3.2	26
96	CdS nanotubes thin film for electrochemiluminescence analysis of phenolic compounds. <i>Analytical Methods</i> , 2012, 4, 1053.	1.3	26
97	Linear calibration function of luminescence quenching-based optical sensor for trace oxygen analysis. <i>Analyst, The</i> , 1999, 124, 695-698.	1.7	25
98	Fluorescent optode membrane based on organogel for humidity sensing. <i>Analyst, The</i> , 2000, 125, 301-305.	1.7	25
99	A star-shaped bipolar host material based on carbazole and dimesitylboron moieties for fabrication of highly efficient red, green and blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2160-2168.	2.7	25
100	A microbial biosensing system for monitoring methane. <i>Enzyme and Microbial Technology</i> , 2008, 43, 257-261.	1.6	24
101	Immobilization of platinum nanoparticles and glucose oxidase on eggshell membrane for glucose detection. <i>Analytical Methods</i> , 2013, 5, 5154.	1.3	24
102	Optode Membrane for Determination of Nicotine via Generation of Its Bromoethane Derivative. <i>Analytical Chemistry</i> , 1999, 71, 1342-1349.	3.2	23
103	A hand-held optical sensor for dissolved oxygen measurement. <i>Measurement Science and Technology</i> , 2003, 14, 862-867.	1.4	23
104	Near-infrared luminescence quenching method for the detection of phenolic compounds using N-acetyl-L-cysteine-protected gold nanoparticles-tyrosinase hybrid material. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1043-1048.	5.3	23
105	Phytotoxicity of Long-Term Total Petroleum Hydrocarbon-Contaminated Soil: A Comparative and Combined Approach. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	23
106	Phosphorescence detection of L-ascorbic acid with surface-attached N-acetyl-L-cysteine and L-cysteine Mn doped ZnS quantum dots. <i>Talanta</i> , 2013, 116, 794-800.	2.9	23
107	Determination of three nitroimidazoles in rabbit plasma by two-step stacking in capillary zone electrophoresis featuring sweeping and micelle to solvent stacking. <i>Journal of Chromatography A</i> , 2014, 1325, 227-233.	1.8	23
108	A combined approach of physicochemical and biological methods for the characterization of petroleum hydrocarbon-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 454-463.	2.7	23

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109	Determination of cyclamate in low-calorie foods by high-performance liquid chromatography with indirect visible photometry. <i>Analyst, The</i> , 2000, 125, 217-220.	1.7	22
110	Development and analytical application of a glucose biosensor based on glucose oxidase/O-(2-hydroxyl)propyl-3-trimethylammonium chitosan chloride nanoparticle-immobilized onion inner epidermis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2238-2243.	5.3	22
111	Mass Spectrometric Identification of Water-Soluble Gold Nanocluster Fractions from Sequential Size-Selective Precipitation. <i>Analytical Chemistry</i> , 2012, 84, 1765-1771.	3.2	22
112	Electrodeposition of palladium nanoparticles on fullerene modified glassy carbon electrode for methane sensing. <i>Electrochimica Acta</i> , 2012, 76, 288-291.	2.6	22
113	An integrated approach of bioassay and molecular docking to study the dihydroxylation mechanism of pyrene by naphthalene dioxygenase in <i>Rhodococcus sp. ustb-1</i> . <i>Chemosphere</i> , 2015, 128, 307-313.	4.2	22
114	Sensitive determination of kaempferol using carbon dots as a fluorescence probe. <i>Talanta</i> , 2015, 144, 390-397.	2.9	22
115	Gas chromatography-mass spectrometric determination of total isothiocyanates in Chinese medicinal herbs. <i>Analytica Chimica Acta</i> , 2004, 516, 155-163.	2.6	21
116	Inâ€œcolumn fiberâ€œoptic laserâ€œinduced fluorescence detection for CE. <i>Electrophoresis</i> , 2007, 28, 3105-3114.	1.3	20
117	Electrogenerated chemiluminescence of anatase TiO ₂ nanotubes film. <i>Talanta</i> , 2011, 85, 56-62.	2.9	20
118	Measurement of glucose concentrations in human plasma using a glucose biosensor. <i>Analytical Biochemistry</i> , 2005, 340, 181-183.	1.1	19
119	Liesegang rings of dendritic silver crystals emerging from galvanic displacement reaction in a liquid-phase solution. <i>RSC Advances</i> , 2012, 2, 4627.	1.7	19
120	Detection of ethanol in food: A new biosensor based on bacteria. <i>Journal of Food Engineering</i> , 2013, 118, 56-61.	2.7	19
121	Determination of airborne formaldehyde by active sampling on 3-methyl-2-benzothiazolinone hydrazone hydrochloride-coated glass fibre filters. <i>Analyst, The</i> , 2001, 126, 720-723.	1.7	18
122	Fluorescence quenching method for the determination of catechol with gold nanoparticles and tyrosinase hybrid system. <i>Chinese Chemical Letters</i> , 2010, 21, 346-348.	4.8	18
123	UHPLC combined with mass spectrometric study of as-synthesized carbon dots samples. <i>Talanta</i> , 2016, 146, 340-350.	2.9	18
124	Application of Datalogger in Biosensing: A Glucose Biosensor. <i>Journal of Chemical Education</i> , 2002, 79, 982.	1.1	17
125	An organic-phase optical phenol biosensor coupling enzymatic oxidation with chemical reduction. <i>Analyst, The</i> , 2004, 129, 1143.	1.7	17
126	A Simple Fluorometric Method Using Chlorophyll a for Determination of Hg ²⁺ Ion. <i>Mikrochimica Acta</i> , 2006, 153, 159-162.	2.5	17

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127	High-sensitive and selective Eu ³⁺ electrochemical sensor based on LaB ₆ electrode and sodium dodecylbenzene sulfonate. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 152-158.	4.0	17
128	An Evidence for the Chiral Discrimination of Naproxen Enantiomers: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4033-4040.	1.5	17
129	An in vitro microcalorimetric method for studying the toxic effect of cadmium on microbial activity of an agricultural soil. <i>Ecotoxicology</i> , 2007, 16, 503-509.	1.1	16
130	A comparative cytotoxicity study of isomeric alkylphthalates to metabolically variant bacteria. <i>Journal of Hazardous Materials</i> , 2010, 182, 631-639.	6.5	16
131	Capillary electrophoretic study of green fluorescent hollow carbon nanoparticles. <i>Electrophoresis</i> , 2015, 36, 2110-2119.	1.3	16
132	Synthesis of N-acetyl-L-cysteine capped Mn:doped CdS quantum dots for quantitative detection of copper ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 455-461.	2.0	16
133	An optical glucose biosensor based on glucose oxidase immobilized on a swim bladder membrane. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 673-679.	1.9	15
134	On-line monitoring of methanol in n-hexane by an organic-phase alcohol biosensor. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1337-1344.	5.3	15
135	[Ru(dpp) ₃][(4-Clph) ₄ B] ₂ Nanoislands Directly Assembled on an ITO Electrode Surface and Its Electrogenerated Chemiluminescence. <i>Langmuir</i> , 2009, 25, 1253-1258.	1.6	15
136	Enhanced Indirect Fluorescence Detection of p-Nitrophenol, 2,4-Dinitrophenol and Trinitrophenol by Micellar Electrokinetic Capillary Chromatography with In-column Optical-fiber LED-induced Fluorescence Detection. <i>Analytical Sciences</i> , 2011, 27, 879.	0.8	15
137	Biosensors for Determination of Galactose with Galactose Oxidase Immobilized on Eggshell Membrane. <i>Analytical Letters</i> , 2005, 38, 1519-1529.	1.0	14
138	Clinical determination of glucose in human serum by a tomato skin biosensor. <i>Clinica Chimica Acta</i> , 2008, 395, 155-158.	0.5	14
139	A novel asymmetric indolo[3,2-b]carbazole derivative containing benzothiazole and dimesitylboron units: Synthesis, photophysical and sensing properties. <i>Synthetic Metals</i> , 2013, 179, 42-48.	2.1	14
140	Elucidating the structure of carbon nanoparticles by ultra-performance liquid chromatography coupled with electrospray ionisation quadrupole time-of-flight tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 911, 100-107.	2.6	14
141	Capillary electrophoretic study of thiolated β -cyclodextrin-capped gold nanoparticles with tetraalkylammonium ions. <i>Journal of Chromatography A</i> , 2009, 1216, 8557-8562.	1.8	13
142	Glucose biosensor based on nanohybrid material of gold nanoparticles and glucose oxidase on a bioplatfrom. <i>Biotechnology Journal</i> , 2011, 6, 492-500.	1.8	13
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