

Martin m F Choi

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.

208
papers

7,193
citations

46
h-index

74
g-index

209
ext. papers

7,722
ext. citations

5.3
avg, IF

5.83
L-index

#	Paper	IF	Citations
208	Size-dependent electrophoretic migration and separation of water-soluble gold nanoclusters by capillary electrophoresis. <i>Electrophoresis</i> , 2019 , 40, 1345-1352	3.6	4
207	Structural and optical properties of penicillamine-protected gold nanocluster fractions separated by sequential size-selective fractionation. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 955-966	3	3
206	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	4.4	11
205	Chromatographic separation and mass spectrometric analysis of N-acetyl-L-cysteine-protected palladium nanoparticles. <i>Analytical Methods</i> , 2017 , 9, 4539-4546	3.2	6
204	Characterization and Analytical Separation of Fluorescent Carbon Nanodots. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-23	3.2	17
203	Near-infrared photoluminescence enhancement of N-acetyl-L-cysteine (NAC)-protected gold nanoparticles via fluorescence resonance energy transfer from NAC-stabilized CdTe quantum dots. <i>RSC Advances</i> , 2016 , 6, 88042-88049	3.7	1
202	Degradation of hydrocarbons by indigenous microbial communities from two adjacent oil production wells in one block. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016 , 38, 3423-3434	1.6	1
201	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	6.6	9
200	UHPLC combined with mass spectrometric study of as-synthesized carbon dots samples. <i>Talanta</i> , 2016 , 146, 340-50	6.2	14
199	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	8.5	31
198	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, 11288-97	9.5	190
197	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. <i>RSC Advances</i> , 2015 , 5, 11667-11675	3.7	57
196	Concentration-dependent effect of photoluminescent carbon dots on the microbial activity of the soil studied by combination methods. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 857-63	5.8	7
195	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	7.3	118
194	Sensitive determination of kaempferol using carbon dots as a fluorescence probe. <i>Talanta</i> , 2015 , 144, 390-7	6.2	17
193	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	8.5	39
192	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, 615-20	4.4	26

191	Doped zinc sulfide quantum dots based phosphorescence turn-off/on probe for detecting histidine in biological fluid. <i>Analytica Chimica Acta</i> , 2015 , 856, 82-9	6.6	33
190	Capillary electrophoretic study of green fluorescent hollow carbon nanoparticles. <i>Electrophoresis</i> , 2015 , 36, 2110-9	3.6	15
189	Using live algae at the anode of a microbial fuel cell to generate electricity. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15621-35	5.1	71
188	An integrated approach of bioassay and molecular docking to study the dihydroxylation mechanism of pyrene by naphthalene dioxygenase in <i>Rhodococcus</i> sp. <i>ustb-1</i> . <i>Chemosphere</i> , 2015 , 128, 307-13	8.4	13
187	High-performance liquid chromatography coupled with mass spectrometry for analysis of ultrasmall palladium nanoparticles. <i>Talanta</i> , 2015 , 131, 632-9	6.2	9
186	Carbon dots isolated from chromatographic fractions for sensing applications. <i>RSC Advances</i> , 2015 , 5, 106838-106847	3.7	7
185	Role of UHPLC in evaluating as-synthesised ligand-protected gold nanoparticles products. <i>Analytical Methods</i> , 2015 , 7, 2452-2457	3.2	4
184	Facile synthesis of nitrogen-doped carbon dots for Fe(3+) sensing and cellular imaging. <i>Analytica Chimica Acta</i> , 2015 , 861, 74-84	6.6	225
183	High-quality water-soluble luminescent carbon dots for multicolor patterning, sensors, and bioimaging. <i>RSC Advances</i> , 2015 , 5, 16972-16979	3.7	55
182	Properties and characterization of biosurfactant in crude oil biodegradation by bacterium <i>Bacillus methylotrophicus</i> USTBa. <i>Fuel</i> , 2014 , 122, 140-148	7.1	92
181	High-performance liquid chromatographic and mass spectrometric analysis of fluorescent carbon nanodots. <i>Talanta</i> , 2014 , 129, 529-38	6.2	30
180	A sensitive AgNPs/CuO nanofibers non-enzymatic glucose sensor based on electrospinning technology. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 431-438	8.5	126
179	Whole-cell biosensor for determination of methanol. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 586-594	5.9	30
178	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	7.1	23
177	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	4.8	35
176	Determination of doxorubicin in plasma by using CE coupled with in-column tapered optic-fiber light-emitting diode induced fluorescence detection. <i>Electrophoresis</i> , 2014 , 35, 762-9	3.6	10
175	A novel tetraphenylethene-carbazole type compound containing the dimesitylboron moiety: aggregation-induced emission enhancement and electroluminescence properties. <i>RSC Advances</i> , 2014 , 4, 19418-19421	3.7	11
174	Magnetic-field-induced growth of silver dendrite-crystalline Liesegang rings. <i>CrystEngComm</i> , 2014 , 16, 6542-6546	3.3	7

173	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. <i>Nanoscale</i> , 2014 , 6, 8162-70	7.7	82
172	Better understanding of carbon nanoparticles via high-performance liquid chromatography-fluorescence detection and mass spectrometry. <i>Electrophoresis</i> , 2014 , 35, 2454-62	3.6	31
171	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, 10129-38	5.1	19
170	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	3.7	73
169	Carbon nanodots interference with lactate dehydrogenase assay in human monocyte THP-1 cells. <i>SpringerPlus</i> , 2014 , 3, 615		8
168	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, 227-33	4.5	19
167	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, 454-63	5.1	18
166	Combination of pentafluorophenylhydrazine derivatization and isotope dilution LC-MS/MS techniques for the quantification of apurinic/apyrimidinic sites in cellular DNA. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4059-66	4.4	25
165	Capillary electrophoretic study of amine/carboxylic acid-functionalized carbon nanodots. <i>Journal of Chromatography A</i> , 2013 , 1304, 234-40	4.5	56
164	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	3.6	13
163	Phytotoxicity of Long-Term Total Petroleum Hydrocarbon-Contaminated Soil: A Comparative and Combined Approach. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	19
162	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	3.8	29
161	Synthesis of High-Quality N-Acetyl-L-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	3.8	30
160	Biosensor for determination of hydrogen peroxide based on Yucca filamentosa membrane. <i>Analytical Methods</i> , 2013 , 5, 5437	3.2	5
159	Immobilization of platinum nanoparticles and glucose oxidase on eggshell membrane for glucose detection. <i>Analytical Methods</i> , 2013 , 5, 5154	3.2	20
158	A novel ratiometric emission probe for Ca ²⁺ in living cells. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 503-8	3.9	10
157	Synthesis and photophysical studies of oxazole rings containing compounds as electron accepting units. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 102, 256-62	4.4	3
156	Low-potential amperometric detection of dopamine based on MnO ₂ nanowires/chitosan modified gold electrode. <i>Electrochimica Acta</i> , 2013 , 89, 832-839	6.7	36

155	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, 361-7	42
154	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	6.2 19
153	L-Ascorbic acid biosensing assay from enzyme-immobilized pig bladder membrane as a novel platform. <i>Analytical Methods</i> , 2013 , 5, 1253	3.2 6
152	Detection of ethanol in food: A new biosensor based on bacteria. <i>Journal of Food Engineering</i> , 2013 , 118, 56-61	6 16
151	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	4.1 39
150	Glutathione-protected fluorescent gold nanoclusters for sensitive and selective detection of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013 , 183, 583-588	8.5 73
149	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	4.2 75
148	Adsorption and desorption of dimethyl phthalate on carbon nanotubes in aqueous copper(II) solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 417, 47-56	5.1 10
147	Effect of pH and Temperature on Adsorption of Dimethyl Phthalate on Carbon Nanotubes in Aqueous Phase. <i>Analytical Letters</i> , 2013 , 46, 379-393	2.2 6
146	Electrodeposition of palladium nanoparticles on fullerene modified glassy carbon electrode for methane sensing. <i>Electrochimica Acta</i> , 2012 , 76, 288-291	6.7 18
145	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, 80-5	4.4 30
144	Flow sensing property of electrochemiluminescent bundled CdS nanotubes thin film. <i>Materials Letters</i> , 2012 , 81, 76-79	3.3 1
143	Nanosized TiO ₂ for Photocatalytic Water Splitting Studied by Oxygen Sensor and Data Logger. <i>Journal of Chemical Education</i> , 2012 , 89, 1319-1322	2.4 11
142	High-performance liquid chromatographic analysis of as-synthesised N,N-dimethylformamide-stabilised gold nanoclusters product. <i>Nanoscale</i> , 2012 , 4, 5325-32	7.7 32
141	Determination of glucose in human serum based on an onion primary cuticula biosensor immobilized glucose oxidase. <i>Analytical Methods</i> , 2012 , 4, 1432	3.2 3
140	CdS nanotubes thin film for electrochemiluminescence analysis of phenolic compounds. <i>Analytical Methods</i> , 2012 , 4, 1053	3.2 21
139	Liesegang rings of dendritic silver crystals emerging from galvanic displacement reaction in a liquid-phase solution. <i>RSC Advances</i> , 2012 , 2, 4627	3.7 18
138	Microwave-assisted non-aqueous homogenous precipitation of nanoball-like mesoporous Ni(OH) ₂ as a precursor for NiOx and its application as a pseudocapacitor. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8029	102

137	Redox Modification of CdSe/ZnS Polymer Quantum Dots: Photoassisted Fluorescence Quenching and Recovery. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18479-18486	3.8	3
136	Determination of five nitroimidazole residues in artificial porcine muscle tissue samples by capillary electrophoresis. <i>Talanta</i> , 2012 , 88, 646-52	6.2	34
135	Determination of puerarin in pharmaceutical and biological samples by capillary zone electrophoresis with UV detection. <i>Talanta</i> , 2012 , 91, 83-7	6.2	8
134	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	6.2	189
133	Flower-shaped gold crystals grown on anodic etched porous silicon. <i>Materials Letters</i> , 2012 , 86, 100-103	3.3	1
132	Ultrahigh performance liquid chromatographic analysis and magnetic preconcentration of polycyclic aromatic hydrocarbons by FeO-doped polymeric nanoparticles. <i>Journal of Chromatography A</i> , 2012 , 1247, 1-9	4.5	30
131	Mass spectrometric identification of water-soluble gold nanocluster fractions from sequential size-selective precipitation. <i>Analytical Chemistry</i> , 2012 , 84, 1765-71	7.8	21
130	Synthesis, photophysical and electrochemical properties and theoretical studies on three novel indolo[3,2-b]carbazole derivatives containing benzothiazole units. <i>Tetrahedron</i> , 2012 , 68, 9788-9794	2.4	13
129	Microwave-assisted synthesis of BSA-stabilized and HSA-protected gold nanoclusters with red emission. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1000-1005		130
128	Electrogenerated chemiluminescence behavior of graphite-like carbon nitride and its application in selective sensing Cu ²⁺ . <i>Analytical Chemistry</i> , 2012 , 84, 4754-9	7.8	280
127	An ethanol biosensor based on a bacterial cell-immobilized eggshell membrane. <i>Chinese Chemical Letters</i> , 2012 , 23, 481-483	8.1	6
126	In situ synthesis of gold nanoparticles on porous polyacrylonitrile nanofibers for sensing applications. <i>Analyst</i> , 2011 , 136, 4545-51	5	27
125	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	3.8	15
124	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	3.8	74
123	Development of a galactose biosensor with galactose oxidase-immobilized epidermis of <i>Solanum lycopersicum</i> : potential point-of-care testing for citrin deficiency in high-prevalence areas. <i>Clinica Chimica Acta</i> , 2011 , 412, 391-2	6.2	3
122	Electrogenerated chemiluminescence of anatase TiO ₂ nanotubes film. <i>Talanta</i> , 2011 , 85, 56-62	6.2	20
121	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, 1279-84	6.2	27
120	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, 879-84	1.7	12

119	Glucose biosensor based on nanohybrid material of gold nanoparticles and glucose oxidase on a bioplatfrom. <i>Biotechnology Journal</i> , 2011 , 6, 492-500	5.6	12
118	HPLC with In-Capillary Optical Fiber Laser-Induced Fluorescence Detection of Picomolar Amounts of Amino Acids by Precolumn Fluorescence Derivatization with Fluorescein Isothiocyanate. <i>Chromatographia</i> , 2011 , 74, 541-547	2.1	9
117	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, 437-45	3.4	68
116	Sensitivity enhancement of fluorescence detection in CE by coupling and conducting excitation light with tapered optical fiber. <i>Electrophoresis</i> , 2011 , 32, 268-74	3.6	9
115	Synthesis and Characterization of Water-Soluble Monolayer-Protected Gold Nanoparticles. <i>Advanced Materials Research</i> , 2011 , 415-417, 617-620	0.5	1
114	A novel droplet sensor based on liquid-phase microextraction for on-line aluminum analysis. <i>Analytical Methods</i> , 2011 , 3, 2273	3.2	3
113	Application of hydrophobic palladium nanoparticles for the development of electrochemical glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4619-23	11.8	24
112	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, 323-8	12.8	38
111	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	8.5	79
110	Dual Fiber-In-capillary Annular Column with Ternary Stationary Phase for Gas Chromatographic Separation. <i>Analytical Letters</i> , 2011 , 44, 2721-2731	2.2	1
109	Characterization of Depth-Related Microbial Community Activities in Freshwater Sediment by Combined Method. <i>Geomicrobiology Journal</i> , 2011 , 28, 328-334	2.5	6
108	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	0.9	48
107	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	3.8	49
106	Synthesis and Characterization of n-Alkylamine-Stabilized Palladium Nanoparticles for Electrochemical Oxidation of Methane. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 723-733	3.8	44
105	Influence of clay minerals on the Bacillus halophilus Y38 activity under anaerobic condition. <i>Applied Clay Science</i> , 2010 , 50, 533-537	5.2	3
104	Preparation of gold nanoparticles on eggshell membrane and their biosensing application. <i>Talanta</i> , 2010 , 82, 177-83	6.2	90
103	Assemblies of brilliant cresyl violet to DNA in the presence of gamma-cyclodextrin. <i>Talanta</i> , 2010 , 82, 681-6	6.2	9
102	Electro-Oxidation of Methane on Roughened Palladium Electrode in Acidic Electrolytes at Ambient Temperatures. <i>Analytical Letters</i> , 2010 , 43, 1055-1065	2.2	8

101	Microcalorimetric investigation of the toxic action of pyrene on the growth of PAH-degrading bacteria <i>Acinetobacter junii</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010 , 45, 668-73	2.3	2
100	Inhibition of beta 1-40 amyloid fibrillation with N-acetyl-L-cysteine capped quantum dots. <i>Biomaterials</i> , 2010 , 31, 91-8	15.6	115
99	A comparative cytotoxicity study of isomeric alkylphthalates to metabolically variant bacteria. <i>Journal of Hazardous Materials</i> , 2010 , 182, 631-9	12.8	12
98	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, 1043-9	10.2	58
97	Electrogenerated Chemiluminescence Sensor Based on Tris(2,2'-bipyridine)ruthenium(II)-Immobilized Natural Clay and Ionic Liquid. <i>Electroanalysis</i> , 2010 , 22, 204-208	3	4
96	Spectral study on the inclusion complex of cryptophane-E and CHCl ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 157-61	4.4	4
95	Reduction in toxicity of arsenic(III) to <i>Halobacillus</i> sp. Y35 by kaolin and their related adsorption studies. <i>Journal of Hazardous Materials</i> , 2010 , 176, 487-94	12.8	7
94	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	8.5	15
93	Fluorescence quenching method for the determination of catechol with gold nanoparticles and tyrosinase hybrid system. <i>Chinese Chemical Letters</i> , 2010 , 21, 346-348	8.1	16
92	Separation and preconcentration of persistent organic pollutants by cloud point extraction. <i>Journal of Chromatography A</i> , 2010 , 1217, 2306-17	4.5	85
91	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, 1043-8	11.8	22
90	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, 2238-43	11.8	20
89	The synthesis of novel 4-(3,4-dimethoxyphenyl)chromenone-crown ethers and their cation binding, as determined using fluorescence spectra. <i>Supramolecular Chemistry</i> , 2009 , 21, 724-731	1.8	4
88	CE with LED-based detection: an update. <i>Electrophoresis</i> , 2009 , 30, 189-202	3.6	35
87	A new luminol derivative as a fluorescent probe for trace analysis of copper(II). <i>Mikrochimica Acta</i> , 2009 , 164, 411-417	5.8	26
86	Isolation of a <i>Methylobacterium organophilum</i> strain, and its application to a methanol biosensor. <i>Mikrochimica Acta</i> , 2009 , 167, 67-73	5.8	3
85	Mode-filtered light methane gas sensor based on cryptophane A. <i>Analytica Chimica Acta</i> , 2009 , 633, 238-43	4.3	30
84	Study of the contact charge transfer behavior between cryptophanes (A and E) and fullerene by absorption, fluorescence and ¹ H NMR spectroscopy. <i>Analytica Chimica Acta</i> , 2009 , 650, 118-23	6.6	8

83	Biological and microcalorimetric studies of the toxic effect of organoarsenic(V) compounds to wild strain of <i>Bacillus thuringiensis</i> . <i>Biological Trace Element Research</i> , 2009 , 131, 192-203	4.5	1
82	Characterization of a methane-utilizing strain and its application for monitoring methane. <i>Journal of Applied Microbiology</i> , 2009 , 106, 2024-30	4.7	4
81	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	8.5	22
80	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	8.5	33
79	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, 846-51	12.8	62
78	A combination method to study microbial communities and activities in zinc contaminated soil. <i>Journal of Hazardous Materials</i> , 2009 , 169, 875-81	12.8	40
77	Study on mode-filtered light sensor for methane detection. <i>Chinese Chemical Letters</i> , 2009 , 20, 210-212	8.1	3
76	Single fiber-in-capillary annular column for gas chromatographic separation. <i>Journal of Chromatography A</i> , 2009 , 1216, 3343-8	4.5	3
75	Capillary electrophoretic study of thiolated alpha-cyclodextrin-capped gold nanoparticles with tetraalkylammonium ions. <i>Journal of Chromatography A</i> , 2009 , 1216, 8557-62	4.5	12
74	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	3.8	39
73	Development and application of a fluorescent sensor for potassium ions based on a calix[6]arene ionophore and a novel cationic dye. <i>Supramolecular Chemistry</i> , 2009 , 21, 747-753	1.8	1
72	[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, 1253-8	4	15
71	Separation of tyrosine enantiomer derivatives by capillary electrophoresis with light-emitting diode-induced fluorescence detection. <i>Talanta</i> , 2009 , 78, 1167-72	6.2	29
70	Facile Fabrication of Porous CuS Nanotubes Using Well-Aligned [Cu(tu)]Cl ₂ /2H ₂ O Nanowire Precursors as Self-Sacrificial Templates. <i>Crystal Growth and Design</i> , 2009 , 9, 2546-2548	3.5	58
69	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	3.8	141
68	Application of HPLC and MALDI-TOF MS for studying as-synthesized ligand-protected gold nanoclusters products. <i>Analytical Chemistry</i> , 2009 , 81, 1676-85	7.8	74
67	Droplet detector for the continuous flow luminol-hydrogen peroxide chemiluminescence system. <i>Analyst, The</i> , 2009 , 134, 354-60	5	6
66	An improved sensitivity non-enzymatic glucose sensor based on a CuO nanowire modified Cu electrode. <i>Analyst, The</i> , 2008 , 133, 126-32	5	408

65	Spectral study on the interaction of cryptophane-A and neutral molecules CHnCl4-n (n=0, 1, 2). <i>Talanta</i> , 2008 , 76, 235-40	6.2	11
64	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, 289-95	7	52
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