Martin m F Choi

List of Publications by Citations

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	An improved sensitivity non-enzymatic glucose sensor based on a CuO nanowire modified Cu electrode. *Analyst, The*, **2008**, 133, 126-32	5	408
207	Electrogenerated chemiluminescence behavior of graphite-like carbon nitride and its application in selective sensing Cu2+. *Analytical Chemistry*, **2012**, 84, 4754-9	7.8	280
206	Facile synthesis of nitrogen-doped carbon dots for Fe(3+) sensing and cellular imaging. *Analytica Chimica Acta*, **2015**, 861, 74-84	6.6	225
205	Phosphorus and Nitrogen Dual-Doped Hollow Carbon Dot as a Nanocarrier for Doxorubicin Delivery and Biological Imaging. *ACS Applied Materials & Interfaces*, **2016**, 8, 11288-97	9.5	190
204	Simultaneous determination of L-ascorbic acid, dopamine and uric acid with gold nanoparticles-β-cyclodextrin-graphene-modified electrode by square wave voltammetry. *Talanta*, **2012**, 93, 79-85	6.2	189
203	Synthesis and Characterization of High-Quality Water-Soluble Near-Infrared-Emitting CdTe/CdS Quantum Dots Capped by N-Acetyl-l-cysteine Via Hydrothermal Method. *Journal of Physical Chemistry C*, **2009**, 113, 1293-1300	3.8	141
202	Microwave-assisted synthesis of BSA-stabilized and HSA-protected gold nanoclusters with red emission. *Journal of Materials Chemistry*, **2012**, 22, 1000-1005		130
201	A sensitive AgNPs/CuO nanofibers non-enzymatic glucose sensor based on electrospinning technology. *Sensors and Actuators B: Chemical*, **2014**, 195, 431-438	8.5	126
200	Low temperature synthesis of phosphorous and nitrogen co-doped yellow fluorescent carbon dots for sensing and bioimaging. *Journal of Materials Chemistry B*, **2015**, 3, 6813-6819	7.3	118
199	Development and analytical application of an uric acid biosensor using an uricase-immobilized eggshell membrane. *Biosensors and Bioelectronics*, **2007**, 22, 1791-7	11.8	117
198	Inhibition of beta 1-40 amyloid fibrillation with N-acetyl-L-cysteine capped quantum dots. *Biomaterials*, **2010**, 31, 91-8	15.6	115
197	Homocysteine-protected gold-coated magnetic nanoparticles: synthesis and characterisation. *Journal of Materials Chemistry*, **2007**, 17, 2418		108
196	Biosensors for determination of glucose with glucose oxidase immobilized on an eggshell membrane. *Talanta*, **2004**, 64, 546-53	6.2	104
195	Microwave-assisted non-aqueous homogenous precipitation of nanoball-like mesoporous β-Ni(OH)2 as a precursor for NiOx and its application as a pseudocapacitor. *Journal of Materials Chemistry*, **2012**, 22, 8029		102
194	Properties and characterization of biosurfactant in crude oil biodegradation by bacterium Bacillus methylotrophicus USTBa. *Fuel*, **2014**, 122, 140-148	7.1	92
193	Preparation of gold nanoparticles on eggshell membrane and their biosensing application. *Talanta*, **2010**, 82, 177-83	6.2	90
192	Separation and preconcentration of persistent organic pollutants by cloud point extraction. *Journal of Chromatography A*, **2010**, 1217, 2306-17	4.5	85

191	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. *Nanoscale*, **2014**, 6, 8162-70	7.7	82
190	Gold nanoparticles-coated eggshell membrane with immobilized glucose oxidase for fabrication of glucose biosensor. *Sensors and Actuators B: Chemical*, **2011**, 152, 49-55	8.5	79
189	An efficient biosurfactant-producing and crude-oil emulsifying bacterium Bacillus methylotrophicus USTBa isolated from petroleum reservoir. *Biochemical Engineering Journal*, **2013**, 74, 46-53	4.2	75
188	Fast Growth Synthesis of Silver Dendrite Crystals Assisted by Sulfate Ion and Its Application for Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry C*, **2011**, 115, 9943-9951	3.8	74
187	Application of HPLC and MALDI-TOF MS for studying as-synthesized ligand-protected gold nanoclusters products. *Analytical Chemistry*, **2009**, 81, 1676-85	7.8	74
186	Green synthesis of fluorescent nitrogen/sulfur-doped carbon dots and investigation of their properties by HPLC coupled with mass spectrometry. *RSC Advances*, **2014**, 4, 18065-18073	3.7	73
185	Glutathione-protected fluorescent gold nanoclusters for sensitive and selective detection of Cu2+. *Sensors and Actuators B: Chemical*, **2013**, 183, 583-588	8.5	73
184	Progress in Enzyme-Based Biosensors Using Optical Transducers. *Mikrochimica Acta*, **2004**, 148, 107-132	5.8	72
183	Aspartame optical biosensor with bienzyme-immobilized eggshell membrane and oxygen-sensitive optode membrane. *Analytical Chemistry*, **2002**, 74, 863-70	7.8	72
182	Using live algae at the anode of a microbial fuel cell to generate electricity. *Environmental Science and Pollution Research*, **2015**, 22, 15621-35	5.1	71
181	In vivo antioxidative effect of isoquercitrin on cadmium-induced oxidative damage to mouse liver and kidney. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2011**, 383, 437-45	3.4	68
180	An optical glucose biosensor with eggshell membrane as an enzyme immobilisation platform. *Analyst, The*, **2001**, 126, 1558-1563	5	67
179	Fluorimetric optode membrane for sulfide detection. *Analyst, The*, **1998**, 123, 1631-1634	5	65
178	Ion-pair chromatographic separation of water-soluble gold monolayer-protected clusters. *Analytical Chemistry*, **2006**, 78, 2779-85	7.8	64
177	Humidity-sensitive optode membrane based on a fluorescent dye immobilized in gelatin film. *Analytica Chimica Acta*, **1999**, 378, 127-134	6.6	64
176	Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods. *Journal of Hazardous Materials*, **2009**, 167, 846-51	12.8	62
175	A fluorescent glucose biosensor based on immobilized glucose oxidase on bamboo inner shell membrane. *Biosensors and Bioelectronics*, **2006**, 21, 1613-20	11.8	62
174	Immobilization of beef liver catalase on eggshell membrane for fabrication of hydrogen peroxide biosensor. *Enzyme and Microbial Technology*, **2004**, 34, 41-47	3.8	62

173	Application of a biosensor for monitoring of ethanol. *Biosensors and Bioelectronics*, **2007**, 23, 121-9	11.8	61
172	Facile Fabrication of Porous CuS Nanotubes Using Well-Aligned [Cu(tu)]Cl□1/2H2O Nanowire Precursors as Self-Sacrificial Templates. *Crystal Growth and Design*, **2009**, 9, 2546-2548	3.5	58
171	Toxicity of three phenolic compounds and their mixtures on the gram-positive bacteria Bacillus subtilis in the aquatic environment. *Science of the Total Environment*, **2010**, 408, 1043-9	10.2	58
170	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. *RSC Advances*, **2015**, 5, 11667-11675	3.7	57
169	Capillary electrophoretic study of amine/carboxylic acid-functionalized carbon nanodots. *Journal of Chromatography A*, **2013**, 1304, 234-40	4.5	56
168	High-quality water-soluble luminescent carbon dots for multicolor patterning, sensors, and bioimaging. *RSC Advances*, **2015**, 5, 16972-16979	3.7	55
167	Microcalorimetric study the toxic effect of hexavalent chromium on microbial activity of Wuhan brown sandy soil: an in vitro approach. *Ecotoxicology and Environmental Safety*, **2008**, 69, 289-95	7	52
166	An optical glucose biosensor based on entrapped-glucose oxidase in silicate xerogel hybridised with hydroxyethyl carboxymethyl cellulose. *Analytica Chimica Acta*, **2004**, 514, 219-226	6.6	52
165	A homocysteine biosensor with eggshell membrane as an enzyme immobilization platform. *Sensors and Actuators B: Chemical*, **2006**, 114, 936-942	8.5	51
164	Synthesis of 1.4 nm □Cyclodextrin-Protected Gold Nanoparticles for Luminescence Sensing of Mercury(II) with Picomolar Detection Limit. *Journal of Physical Chemistry C*, **2010**, 114, 15995-16003	3.8	49
163	Fast microwave synthesis of Fe3O4 and Fe3O4/Ag magnetic nanoparticles using Fe2+ as precursor. *Inorganic Materials*, **2010**, 46, 1106-1111	0.9	48
162	Hydrogel network entrapping cholesterol oxidase and octadecylsilica for optical biosensing in hydrophobic organic or aqueous micelle solvents. *Analytical Chemistry*, **2003**, 75, 4019-27	7.8	45
161	Synthesis and Characterization of n-Alkylamine-Stabilized Palladium Nanoparticles for Electrochemical Oxidation of Methane. *Journal of Physical Chemistry C*, **2010**, 114, 723-733	3.8	44
160	SPE/HPLC/UV studies on acrylamide in deep-fried flour-based indigenous Chinese foods. *Microchemical Journal*, **2008**, 89, 90-97	4.8	43
159	Microcalorimetric investigation of the effect of non-ionic surfactant on biodegradation of pyrene by PAH-degrading bacteria Burkholderia cepacia. *Ecotoxicology and Environmental Safety*, **2013**, 98, 361-7	7	42
158	Capillary electrophoresis, mass spectrometry, and UV-visible absorption studies on electrolyte-induced fractionation of gold nanoclusters. *Analytical Chemistry*, **2008**, 80, 2439-46	7.8	42
157	On-line flow injection-cloud point preconcentration of polycyclic aromatic hydrocarbons coupled with high-performance liquid chromatography. *Journal of Chromatography A*, **2008**, 1214, 11-6	4.5	41
156	Single standard calibration for an optical oxygen sensor based on luminescence quenching of a ruthenium complex. *Analytica Chimica Acta*, **2000**, 403, 57-65	6.6	41

155	A combination method to study microbial communities and activities in zinc contaminated soil. *Journal of Hazardous Materials*, **2009**, 169, 875-81	12.8	40
154	Fast microwave-assisted synthesis of AuAg bimetallic nanoclusters with strong yellow emission and their response to mercury(II) ions. *Sensors and Actuators B: Chemical*, **2015**, 221, 386-392	8.5	39
153	HPLC-UV quantitative analysis of acrylamide in baked and deep-fried Chinese foods. *Journal of Food Composition and Analysis*, **2013**, 31, 7-11	4.1	39
152	Activation of nylon net and its application to a biosensor for determination of glucose in human serum. *Enzyme and Microbial Technology*, **2009**, 44, 249-253	3.8	39
151	Application of capillary zone electrophoresis for separation of water-soluble gold monolayer-protected clusters. *Electrophoresis*, **2008**, 29, 2330-9	3.6	39
150	Investigation on DNA assembly to neutral red-cyclodextrin complex by molecular spectroscopy. *Journal of Photochemistry and Photobiology B: Biology*, **2004**, 74, 127-34	6.7	39
149	Impact of beta-cypermethrin on soil microbial community associated with its bioavailability: a combined study by isothermal microcalorimetry and enzyme assay techniques. *Journal of Hazardous Materials*, **2011**, 189, 323-8	12.8	38
148	Low-potential amperometric detection of dopamine based on MnO2 nanowires/chitosan modified gold electrode. *Electrochimica Acta*, **2013**, 89, 832-839	6.7	36
147	Spectroscopic studies on the interaction of Safranine T with DNA in ß-cyclodextrin and carboxymethyl-ß-cyclodextrin. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 169, 153-158	4.7	36
146	Retention behaviour and fluorimetric detection of procaine hydrochloride using carboxymethyl-beta-cyclodextrin as an additive in reversed-phase liquid chromatography. *Journal of Chromatography A*, **2001**, 919, 321-9	4.5	36
145	Isolation and characterization of crude-oil-degrading bacteria from oil-water mixture in Dagang oilfield, China. *International Biodeterioration and Biodegradation*, **2014**, 87, 52-59	4.8	35
144	CE with LED-based detection: an update. *Electrophoresis*, **2009**, 30, 189-202	3.6	35
143	Determination of five nitroimidazole residues in artificial porcine muscle tissue samples by capillary electrophoresis. *Talanta*, **2012**, 88, 646-52	6.2	34
142	Doped zinc sulfide quantum dots based phosphorescence turn-off/on probe for detecting histidine in biological fluid. *Analytica Chimica Acta*, **2015**, 856, 82-9	6.6	33
141	Methane sensor based on nanocomposite of palladium/multi-walled carbon nanotubes grafted with 1,6-hexanediamine. *Sensors and Actuators B: Chemical*, **2009**, 139, 453-459	8.5	33
140	High-performance liquid chromatographic analysis of as-synthesised N,NRdimethylformamide-stabilised gold nanoclusters product. *Nanoscale*, **2012**, 4, 5325-32	7.7	32
139	Better understanding of carbon nanoparticles via high-performance liquid chromatography-fluorescence detection and mass spectrometry. *Electrophoresis*, **2014**, 35, 2454-62	3.6	31
138	Dissolved oxygen sensor based on fluorescence quenching of oxygen-sensitive ruthenium complex immobilized on silicaNiP composite coating. *Sensors and Actuators B: Chemical*, **2006**, 117, 172-176	8.5	31

137	Development of an optical hydrogen sulphide sensor. *Sensors and Actuators B: Chemical*, **2003**, 90, 211-218	8.5	31
136	A glucose biosensor with enzyme-entrapped sol-gel and an oxygen-sensitive optode membrane. *Analyst, The*, **2000**, 125, 157-162	5	31
135	Oxygen-sensitive reverse-phase optode membrane using silica gel-adsorbed ruthenium(II) complex embedded in gelatin film. *Analytica Chimica Acta*, **1999**, 387, 197-205	6.6	31
134	Highly selective and sensitive nanoprobes for Hg(II) ions based on photoluminescent gold nanoclusters. *Sensors and Actuators B: Chemical*, **2016**, 235, 386-393	8.5	31
133	High-performance liquid chromatographic and mass spectrometric analysis of fluorescent carbon nanodots. *Talanta*, **2014**, 129, 529-38	6.2	30
132	Whole-cell biosensor for determination of methanol. *Sensors and Actuators B: Chemical*, **2014**, 201, 586-591	8.5	30
131	Luminescence and binding properties of two isoquinoline alkaloids chelerythrine and sanguinarine with ctDNA. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 95, 80-5	4.4	30
130	Synthesis of High-Quality N-Acetyl-l-Cysteine-Capped CdTe Quantum Dots by Hydrothermal Route and the Characterization through MALDI-TOF Mass Spectrometry. *Journal of Physical Chemistry C*, **2013**, 117, 19175-19181	3.8	30
129	Ultrahigh performance liquid chromatographic analysis and magnetic preconcentration of polycyclic aromatic hydrocarbons by Fe-doped polymeric nanoparticles. *Journal of Chromatography A*, **2012**, 1247, 1-9	4.5	30
128	Mode-filtered light methane gas sensor based on cryptophane A. *Analytica Chimica Acta*, **2009**, 633, 238-43	5.8	30
127	Probing Histidine-Stabilized Gold Nanoclusters Product by High-Performance Liquid Chromatography and Mass Spectrometry. *Journal of Physical Chemistry C*, **2013**, 117, 18697-18708	3.8	29
126	Separation of tyrosine enantiomer derivatives by capillary electrophoresis with light-emitting diode-induced fluorescence detection. *Talanta*, **2009**, 78, 1167-72	6.2	29
125	In situ synthesis of gold nanoparticles on porous polyacrylonitrile nanofibers for sensing applications. *Analyst, The*, **2011**, 136, 4545-51	5	27
124	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. *Talanta*, **2011**, 85, 1279-84	6.2	27
123	Fluorescence quenching for chloramphenicol detection in milk based on protein-stabilized Au nanoclusters. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 149, 615-20	4.4	26
122	A new luminol derivative as a fluorescent probe for trace analysis of copper(II). *Mikrochimica Acta*, **2009**, 164, 411-417	5.8	26
121	A biosensing method with enzyme-immobilized eggshell membranes for determination of total glucosinolates in vegetables. *Enzyme and Microbial Technology*, **2005**, 36, 91-99	3.8	26
120	Application of a long shelf-life biosensor for the analysis of l-lactate in dairy products and serum samples. *Food Chemistry*, **2005**, 92, 575-581	8.5	26

119	Combination of pentafluorophenylhydrazine derivatization and isotope dilution LC-MS/MS techniques for the quantification of apurinic/apyrimidinic sites in cellular DNA. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 4059-66	4.4	25
118	Spongiform immobilization architecture of ionotropy polymer hydrogel coentrapping alcohol oxidase and horseradish peroxidase with octadecylsilica for optical biosensing alcohol in organic solvent. *Analytical Chemistry*, **2004**, 76, 4279-85	7.8	25
117	Application of hydrophobic palladium nanoparticles for the development of electrochemical glucose biosensor. *Biosensors and Bioelectronics*, **2011**, 26, 4619-23	11.8	24
116	Fluorescent optode membrane based on organogel for humidity sensing. *Analyst, The*, **2000**, 125, 301-305	5	24
115	A star-shaped bipolar host material based on carbazole and dimesitylboron moieties for fabrication of highly efficient red, green and blue electrophosphorescent devices. *Journal of Materials Chemistry C*, **2014**, 2, 2160-2168	7.1	23
114	Electro-catalytic oxidation of methane at multi-walled carbon nanotubes-Nafion/nickel hydroxide modified nickel electrode. *Sensors and Actuators B: Chemical*, **2009**, 138, 402-407	8.5	22
113	Near-infrared luminescence quenching method for the detection of phenolic compounds using N-acetyl-L-cysteine-protected gold nanoparticles-tyrosinase hybrid material. *Biosensors and Bioelectronics*, **2010**, 25, 1043-8	11.8	22
112	Linear calibration function of luminescence quenching-based optical sensor for trace oxygen analysis. *Analyst, The*, **1999**, 124, 695-698	5	22
111	CdS nanotubes thin film for electrochemiluminescence analysis of phenolic compounds. *Analytical Methods*, **2012**, 4, 1053	3.2	21
110	Mass spectrometric identification of water-soluble gold nanocluster fractions from sequential size-selective precipitation. *Analytical Chemistry*, **2012**, 84, 1765-71	7.8	21
109	A hand-held optical sensor for dissolved oxygen measurement. *Measurement Science and Technology*, **2003**, 14, 862-867	2	21
108	Determination of cyclamate in low-calorie foods by high-performance liquid chromatography with indirect visible photometry. *Analyst, The*, **2000**, 125, 217-20	5	21
107	Immobilization of platinum nanoparticles and glucose oxidase on eggshell membrane for glucose detection. *Analytical Methods*, **2013**, 5, 5154	3.2	20
106	Electrogenerated chemiluminescence of anatase TiO nanotubes film. *Talanta*, **2011**, 85, 56-62	6.2	20
105	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. *Biosensors and Bioelectronics*, **2010**, 25, 2238-43	11.8	20
104	Optode Membrane for Determination of Nicotine via Generation of Its Bromoethane Derivative. *Analytical Chemistry*, **1999**, 71, 1342-9	7.8	20
103	Influence of short-time imidacloprid and acetamiprid application on soil microbial metabolic activity and enzymatic activity. *Environmental Science and Pollution Research*, **2014**, 21, 10129-38	5.1	19
102	Phytotoxicity of Long-Term Total Petroleum Hydrocarbon-Contaminated Soil: A Comparative and Combined Approach. *Water, Air, and Soil Pollution*, **2013**, 224, 1	2.6	19

101	Phosphorescence detection of L-ascorbic acid with surface-attached N-acetyl-L-cysteine and L-cysteine Mn doped ZnS quantum dots. *Talanta*, **2013**, 116, 794-800	6.2	19
100	Determination of three nitroimidazoles in rabbit plasma by two-step stacking in capillary zone electrophoresis featuring sweeping and micelle to solvent stacking. *Journal of Chromatography A*, **2014**, 1325, 227-33	4.5	19
99	A microbial biosensing system for monitoring methane. *Enzyme and Microbial Technology*, **2008**, 43, 257-261	3.6	19
98	Electrodeposition of palladium nanoparticles on fullerene modified glassy carbon electrode for methane sensing. *Electrochimica Acta*, **2012**, 76, 288-291	6.7	18
97	A combined approach of physicochemical and biological methods for the characterization of petroleum hydrocarbon-contaminated soil. *Environmental Science and Pollution Research*, **2014**, 21, 454-63	5.1	18
96	Liesegang rings of dendritic silver crystals emerging from galvanic displacement reaction in a liquid-phase solution. *RSC Advances*, **2012**, 2, 4627	3.7	18
95	In-column fiber-optic laser-induced fluorescence detection for CE. *Electrophoresis*, **2007**, 28, 3105-14	3.6	18
94	Measurement of glucose concentrations in human plasma using a glucose biosensor. *Analytical Biochemistry*, **2005**, 340, 181-3	3.1	18
93	Sensitive determination of kaempferol using carbon dots as a fluorescence probe. *Talanta*, **2015**, 144, 390-7	6.2	17
92	Characterization and Analytical Separation of Fluorescent Carbon Nanodots. *Journal of Nanomaterials*, **2017**, 2017, 1-23	3.2	17
91	Detection of ethanol in food: A new biosensor based on bacteria. *Journal of Food Engineering*, **2013**, 118, 56-61	6	16
90	Fluorescence quenching method for the determination of catechol with gold nanoparticles and tyrosinase hybrid system. *Chinese Chemical Letters*, **2010**, 21, 346-348	8.1	16
89	Gas chromatography-mass spectrometric determination of total isothiocyanates in Chinese medicinal herbs. *Analytica Chimica Acta*, **2004**, 516, 155-163	6.6	16
88	Capillary electrophoretic study of green fluorescent hollow carbon nanoparticles. *Electrophoresis*, **2015**, 36, 2110-9	3.6	15
87	An Evidence for the Chiral Discrimination of Naproxen Enantiomers: A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2011**, 115, 4033-4040	3.8	15
86	[Ru(dpp)(3)][(4-Clph)(4)B](2) nanoislands directly assembled on an ITO electrode surface and its electrogenerated chemiluminescence. *Langmuir*, **2009**, 25, 1253-8	4	15
85	High-sensitive and selective Eu3+ electrochemical sensor based on LaB6 electrode and sodium dodecylbenzene sulfonate. *Sensors and Actuators B: Chemical*, **2010**, 147, 152-158	8.5	15
84	A Simple Fluorometric Method Using Chlorophyll a for Determination of Hg2+ Ion. *Mikrochimica Acta*, **2006**, 153, 159-162	5.8	15

83	An organic-phase optical phenol biosensor coupling enzymatic oxidation with chemical reduction. *Analyst, The*, **2004**, 129, 1143-9	5	15
82	UHPLC combined with mass spectrometric study of as-synthesized carbon dots samples. *Talanta*, **2016**, 146, 340-50	6.2	14
81	Clinical determination of glucose in human serum by a tomato skin biosensor. *Clinica Chimica Acta*, **2008**, 395, 155-8	6.2	14
80	An in vitro microcalorimetric method for studying the toxic effect of cadmium on microbial activity of an agricultural soil. *Ecotoxicology*, **2007**, 16, 503-9	2.9	14
79	A novel asymmetric indolo[3,2-b]carbazole derivative containing benzothiazole and dimesitylboron units: Synthesis, photophysical and sensing properties. *Synthetic Metals*, **2013**, 179, 42-48	3.6	13
78	An integrated approach of bioassay and molecular docking to study the dihydroxylation mechanism of pyrene by naphthalene dioxygenase in Rhodococcus sp. ustb-1. *Chemosphere*, **2015**, 128, 307-13	8.4	13
77	Synthesis, photophysical and electrochemical properties and theoretical studies on three novel indolo[3,2-b]carbazole derivatives containing benzothiazole units. *Tetrahedron*, **2012**, 68, 9788-9794	2.4	13
76	On-line monitoring of methanol in n-hexane by an organic-phase alcohol biosensor. *Biosensors and Bioelectronics*, **2007**, 22, 1337-44	11.8	13
75	Application of Datalogger in Biosensing: A Glucose Biosensor. *Journal of Chemical Education*, **2002**, 79, 982	2.4	13
74	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. *Analytical Sciences*, **2011**, 27, 879-84	1.7	12
73	Glucose biosensor based on nanohybrid material of gold nanoparticles and glucose oxidase on a bioplatform. *Biotechnology Journal*, **2011**, 6, 492-500	5.6	12
72	Capillary electrophoretic study of thiolated alpha-cyclodextrin-capped gold nanoparticles with tetraalkylammonium ions. *Journal of Chromatography A*, **2009**, 1216, 8557-62	4.5	12
71	A comparative cytotoxicity study of isomeric alkylphthalates to metabolically variant bacteria. *Journal of Hazardous Materials*, **2010**, 182, 631-9	12.8	12
70	An optical glucose biosensor based on glucose oxidase immobilized on a swim bladder membrane. *Analytical and Bioanalytical Chemistry*, **2005**, 383, 673-9	4.4	12
69	Determination of airborne formaldehyde by active sampling on 3-methyl-2-benzothiazolinone hydrazone hydrochloride-coated glass fibre filters. *Analyst, The*, **2001**, 126, 720-3	5	12
68	Synthesis of N-acetyl-l-cysteine capped Mn:doped CdS quantum dots for quantitative detection of copper ions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 199, 455-461	4.4	11
67	A novel tetraphenylethene□arbazole type compound containing the dimesitylboron moiety: aggregation-induced emission enhancement and electroluminescence properties. *RSC Advances*, **2014**, 4, 19418-19421	3.7	11
66	Nanosized TiO2 for Photocatalytic Water Splitting Studied by Oxygen Sensor and Data Logger. *Journal of Chemical Education*, **2012**, 89, 1319-1322	2.4	11

65	Spectral study on the interaction of cryptophane-A and neutral molecules CHnCl4-n (n=0, 1, 2). *Talanta*, **2008**, 76, 235-40	6.2	11
64	A microcalorimetric method for studying the toxic effect of different diphenol species on the growth of Escherichia coli. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2007**, 42, 613-20	2.3	11
63	Biosensors for Determination of Galactose with Galactose Oxidase Immobilized on Eggshell Membrane. *Analytical Letters*, **2005**, 38, 1519-1529	2.2	11
62	Determination of doxorubicin in plasma by using CE coupled with in-column tapered optic-fiber light-emitting diode induced fluorescence detection. *Electrophoresis*, **2014**, 35, 762-9	3.6	10
61	A novel ratiometric emission probe for Ca2+ in living cells. *Organic and Biomolecular Chemistry*, **2013**, 11, 503-8	3.9	10
60	Adsorption and desorption of dimethyl phthalate on carbon nanotubes in aqueous copper(II) solution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 417, 47-56	5.1	10
59	Elucidating the structure of carbon nanoparticles by ultra-performance liquid chromatography coupled with electrospray ionisation quadrupole time-of-flight tandem mass spectrometry. *Analytica Chimica Acta*, **2016**, 911, 100-107	6.6	9
58	High-performance liquid chromatography coupled with mass spectrometry for analysis of ultrasmall palladium nanoparticles. *Talanta*, **2015**, 131, 632-9	6.2	9
57	HPLC with In-Capillary Optical Fiber Laser-Induced Fluorescence Detection of Picomolar Amounts of Amino Acids by Precolumn Fluorescence Derivatization with Fluorescein Isothiocyanate. *Chromatographia*, **2011**, 74, 541-547	2.1	9
56	Sensitivity enhancement of fluorescence detection in CE by coupling and conducting excitation light with tapered optical fiber. *Electrophoresis*, **2011**, 32, 268-74	3.6	9
55	Assemblies of brilliant cresyl violet to DNA in the presence of gamma-cyclodextrin. *Talanta*, **2010**, 82, 681-6	6.2	9
54	Using a Datalogger To Determine First-Order Kinetics and Calcium Carbonate in Eggshells. *Journal of Chemical Education*, **2004**, 81, 859	2.4	9
53	Dual-light source excitation for mode-filtered light detection. *Analytica Chimica Acta*, **2003**, 481, 301-310	6.6	9
52	Carbon nanodots interference with lactate dehydrogenase assay in human monocyte THP-1 cells. *SpringerPlus*, **2014**, 3, 615		8
51	Determination of puerarin in pharmaceutical and biological samples by capillary zone electrophoresis with UV detection. *Talanta*, **2012**, 91, 83-7	6.2	8
50	Electro-Oxidation of Methane on Roughened Palladium Electrode in Acidic Electrolytes at Ambient Temperatures. *Analytical Letters*, **2010**, 43, 1055-1065	2.2	8
49	Study of the contact charge transfer behavior between cryptophanes (A and E) and fullerene by absorption, fluorescence and 1H NMR spectroscopy. *Analytica Chimica Acta*, **2009**, 650, 118-23	6.6	8
48	Spectroscopic behaviour and protolytic equilibrium of fluorescein immobilized in ethyl cellulose. *Journal of Photochemistry and Photobiology A: Chemistry*, **1998**, 114, 235-239	4.7	8

47	Concentration-dependent effect of photoluminescent carbon dots on the microbial activity of the soil studied by combination methods. *Environmental Toxicology and Pharmacology*, **2015**, 39, 857-63	5.8	7
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