

# Huan-Tsung Chang

## List of Publications by Citations

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392  
papers

21,673  
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76  
h-index

133  
g-index

415  
ext. papers

23,432  
ext. citations

6.4  
avg, IF

7.29  
L-index

#	Paper	IF	Citations
392	Synthesis of highly fluorescent gold nanoparticles for sensing mercury(II). <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6824-8	16.4	645
391	Fluorescent gold nanoclusters: recent advances in sensing and imaging. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 216-29	7.8	609
390	Aptamer-modified gold nanoparticles for colorimetric determination of platelet-derived growth factors and their receptors. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 5735-41	7.8	503
389	Selective gold-nanoparticle-based "turn-on" fluorescent sensors for detection of mercury(II) in aqueous solution. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 8332-8	7.8	411
388	Synthesis of high-quality carbon nanodots from hydrophilic compounds: role of functional groups. <i>Chemical Communications</i> , <b>2012</b> , 48, 3984-6	5.8	389
387	Detection of mercury(II) ions using colorimetric gold nanoparticles on paper-based analytical devices. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 6843-9	7.8	387
386	Detection of mercury(II) based on Hg <sup>2+</sup> -DNA complexes inducing the aggregation of gold nanoparticles. <i>Chemical Communications</i> , <b>2008</b> , 2242-4	5.8	359
385	Synthesis and analytical applications of photoluminescent carbon nanodots. <i>Green Chemistry</i> , <b>2012</b> , 14, 917	10	329
384	Gold nanoparticle probes for the detection of mercury, lead and copper ions. <i>Analyst, The</i> , <b>2011</b> , 136, 863-71	5	322
383	Silver nanoclusters as fluorescent probes for selective and sensitive detection of copper ions. <i>Chemical Communications</i> , <b>2010</b> , 46, 1257-9	5.8	321
382	Photoluminescent carbon nanodots: synthesis, physicochemical properties and analytical applications. <i>Materials Today</i> , <b>2015</b> , 18, 447-458	21.8	317
381	Highly selective DNA-based sensor for lead(II) and mercury(II) ions. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 2383-7.8	7.8	317
380	Parameters for selective colorimetric sensing of mercury(II) in aqueous solutions using mercaptopropionic acid-modified gold nanoparticles. <i>Chemical Communications</i> , <b>2007</b> , 1215-7	5.8	297
379	Oligonucleotide-based fluorescence probe for sensitive and selective detection of mercury(II) in aqueous solution. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3716-21	7.8	285
378	Cancer cell targeting using multiple aptamers conjugated on nanorods. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 567-72	7.8	267
377	Electrocatalytic sulfur electrodes for CdS/CdSe quantum dot-sensitized solar cells. <i>Chemical Communications</i> , <b>2010</b> , 46, 5485-7	5.8	261
376	Nanoparticle-based mass spectrometry for the analysis of biomolecules. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1269-81	58.5	255

375	Use of fluorescent DNA-templated gold/silver nanoclusters for the detection of sulfide ions. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 9450-5	7.8	250
374	Quantum Dot Sensitized Solar Cells Featuring CuS/CoS Electrodes Provide 4.1% Efficiency. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 259-264	21.8	234
373	Quantum dot-sensitized solar cells incorporating nanomaterials. <i>Chemical Communications</i> , <b>2011</b> , 47, 9561-71	5.8	230
372	Analysis of adenosine triphosphate and glutathione through gold nanoparticles assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4852-9	7.8	229
371	Detection of copper ions through recovery of the fluorescence of DNA-templated copper/silver nanoclusters in the presence of mercaptopropionic acid. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8566-72	7.8	220
370	Controllable red, green, blue (RGB) and bright white upconversion luminescence of Lu <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> nanocrystals through single laser excitation at 980 nm. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4649-55	4.8	213
369	Selective photothermal therapy for mixed cancer cells using aptamer-conjugated nanorods. <i>Langmuir</i> , <b>2008</b> , 24, 11860-5	4	200
368	Self-Assembly of Antimicrobial Peptides on Gold Nanodots: Against Multidrug-Resistant Bacteria and Wound-Healing Application. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7189-7199	15.6	198
367	Nile Red-adsorbed gold nanoparticle matrixes for determining amino thiols through surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 1485-93	7.8	198
366	Synthesis of fluorescent carbohydrate-protected Au nanodots for detection of Concanavalin A and Escherichia coli. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 875-82	7.8	195
365	Colorimetric assay for lead ions based on the leaching of gold nanoparticles. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9433-9	7.8	186
364	Gold nanodot-based luminescent sensor for the detection of hydrogen peroxide and glucose. <i>Chemical Communications</i> , <b>2009</b> , 3437-9	5.8	185
363	Bioconjugated gold nanodots and nanoparticles for protein assays based on photoluminescence quenching. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1497-504	7.8	182
362	Carbon dots prepared from ginger exhibiting efficient inhibition of human hepatocellular carcinoma cells. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4564-4571	7.3	179
361	Synthesis of graphene-ZnO-Au nanocomposites for efficient photocatalytic reduction of nitrobenzene. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6688-95	10.3	179
360	Synthesis of Highly Fluorescent Gold Nanoparticles for Sensing Mercury(II). <i>Angewandte Chemie</i> , <b>2007</b> , 119, 6948-6952	3.6	170
359	Carbon nanodots prepared from o-phenylenediamine for sensing of Cu(2+) ions in cells. <i>Nanoscale</i> , <b>2014</b> , 6, 13119-25	7.7	169
358	Nile red-adsorbed gold nanoparticles for selective determination of thiols based on energy transfer and aggregation. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 3727-34	7.8	169

357	Synthesis of dumbbell-shaped Au-Ag core-shell nanorods by seed-mediated growth under alkaline conditions. <i>Langmuir</i> , <b>2004</b> , 20, 6089-92	4	165
356	Fluorescent gold and silver nanoclusters for the analysis of biopolymers and cell imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12972		160
355	Aptamer-functionalized gold nanoparticles for turn-on light switch detection of platelet-derived growth factor. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4798-804	7.8	148
354	Fluorescence detection of lead(II) ions through their induced catalytic activity of DNAzymes. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 225-30	7.8	145
353	Colorimetric determination of urinary adenosine using aptamer-modified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1749-53	11.8	143
352	Extremely high inhibition activity of photoluminescent carbon nanodots toward cancer cells. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1774-1781	7.3	141
351	Fluorescent silver nanoclusters stabilized by DNA scaffolds. <i>Chemical Communications</i> , <b>2014</b> , 50, 9800-15	8	137
350	Control over surface DNA density on gold nanoparticles allows selective and sensitive detection of mercury(II). <i>Langmuir</i> , <b>2008</b> , 24, 8346-50	4	137
349	Supercapacitors incorporating hollow cobalt sulfide hexagonal nanosheets. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 7874-7877	8.9	131
348	Photoluminescent organosilane-functionalized carbon dots as temperature probes. <i>Chemical Communications</i> , <b>2013</b> , 49, 1639-41	5.8	127
347	Electrochemical synthesis of photoluminescent carbon nanodots from glycine for highly sensitive detection of hemoglobin. <i>Green Chemistry</i> , <b>2014</b> , 16, 2509	10	125
346	One-pot synthesis of fluorescent oligonucleotide Ag nanoclusters for specific and sensitive detection of DNA. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2431-5	11.8	125
345	Preparation of Fluorescent Tellurium Nanowires at Room Temperature. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 351-357	3.5	125
344	Excellent oxidation resistive MXene aqueous ink for micro-supercapacitor application. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 563-571	19.4	124
343	Enzyme mimics of Au/Ag nanoparticles for fluorescent detection of acetylcholine. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 9706-12	7.8	116
342	One-step synthesis of biofunctional carbon quantum dots for bacterial labeling. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 1-6	11.8	113
341	Determination of catecholamines in single adrenal medullary cells by capillary electrophoresis and laser-induced native fluorescence. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 1079-83	7.8	112
340	Carbon nanotubes/cobalt sulfide composites as potential high-rate and high-efficiency supercapacitors. <i>Journal of Power Sources</i> , <b>2012</b> , 215, 43-47	8.9	108

339	Separation of long double-stranded DNA by nanoparticle-filled capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 192-6	7.8	108
338	Aptamer-based fluorescence sensor for rapid detection of potassium ions in urine. <i>Chemical Communications</i> , <b>2008</b> , 1461-3	5.8	107
337	Peroxidase-mimic bismuth-gold nanoparticles for determining the activity of thrombin and drug screening. <i>Chemical Communications</i> , <b>2012</b> , 48, 7952-4	5.8	105
336	Porous palladium copper nanoparticles for the electrocatalytic oxidation of methanol in direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4773	13	104
335	Label-free colorimetric detection of picomolar thrombin in blood plasma using a gold nanoparticle-based assay. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1922-7	11.8	104
334	Plant leaf-derived graphene quantum dots and applications for white LEDs. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4946-4951	3.6	102
333	Fluorescent gold nanodots based sensor array for proteins discrimination. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4253-9	7.8	101
332	Photo-assisted synthesis of highly fluorescent ZnSe(S) quantum dots in aqueous solution. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2661		100
331	Synthesis of wavelength-tunable luminescent gold and gold/silver nanodots. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 755-759		99
330	Protein-protein interaction studies based on molecular aptamers by affinity capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 6973-81	7.8	94
329	Using a Layer-by-Layer Assembly Technique to Fabricate Multicolored-Light-Emitting Films of CdSe@CdS and CdTe Quantum Dots. <i>Advanced Materials</i> , <b>2006</b> , 18, 1381-1386	24	91
328	Logic control of enzyme-like gold nanoparticles for selective detection of lead and mercury ions. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2065-72	7.8	90
327	Poly(ethyleneoxide) for high-resolution and high-speed separation of DNA by capillary electrophoresis. <i>Biomedical Applications</i> , <b>1995</b> , 669, 113-23		89
326	Logical regulation of the enzyme-like activity of gold nanoparticles by using heavy metal ions. <i>Nanoscale</i> , <b>2013</b> , 5, 8227-34	7.7	86
325	Catalytic gold nanoparticles for fluorescent detection of mercury(II) and lead(II) ions. <i>Analytica Chimica Acta</i> , <b>2012</b> , 745, 124-30	6.6	86
324	Determining estrogens using surface-assisted laser desorption/ionization mass spectrometry with silver nanoparticles as the matrix. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 1343-6	3.5	86
323	Photoluminescent C-dots@RGO probe for sensitive and selective detection of acetylcholine. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3263-70	7.8	84
322	A simple strategy for improving the energy conversion of multilayered CdTe quantum dot-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2349		84

321	Selective Colorimetric Detection of Hydrogen Sulfide Based on Primary Amine-Active Ester Cross-Linking of Gold Nanoparticles. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7267-73	7.8	83
320	Photoluminescent graphene quantum dots for in vivo imaging of apoptotic cells. <i>Nanoscale</i> , <b>2015</b> , 7, 2504-10	7.7	83
319	Determining enediol compounds in tea using surface-assisted laser desorption/ionization mass spectrometry with titanium dioxide nanoparticle matrices. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2023-30	2.2	81
318	Aptamer-modified gold nanoparticles for targeting breast cancer cells through light scattering. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 775-783	2.3	77
317	Carbon Dot-Mediated Synthesis of Manganese Oxide Decorated Graphene Nanosheets for Supercapacitor Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3008-3016	8.3	76
316	Photoassisted synthesis of CdSe and core-shell CdSe/CdS quantum dots. <i>Langmuir</i> , <b>2005</b> , 21, 728-34	4	75
315	Recent Advances and Sensing Applications of Carbon Dots. <i>Small Methods</i> , <b>2020</b> , 4, 1900387	12.8	75
314	Highly Stretchable and Sensitive Photodetectors Based on Hybrid Graphene and Graphene Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 466-71	9.5	74
313	Facile synthesis of catalytically active platinum nanospheres, nanonetworks, and nanodendrites. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4656-62	4.8	74
312	Electrical-Polarization-Induced Ultrahigh Responsivity Photodetectors Based on Graphene and Graphene Quantum Dots. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 620-628	15.6	74
311	On-line concentration and separation of proteins by capillary electrophoresis using polymer solutions. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 4805-11	7.8	72
310	Gold nanoparticle-aluminum oxide adsorbent for efficient removal of mercury species from natural waters. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 2724-30	10.3	71
309	Fluorescence detection of mercury(II) and lead(II) ions using aptamer/reporter conjugates. <i>Talanta</i> , <b>2011</b> , 84, 324-9	6.2	70
308	Nanomaterial-based surface-assisted laser desorption/ionization mass spectrometry of peptides and proteins. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 1204-7	3.5	69
307	One-pot synthesis of fluorescent BSA-Ce/Au nanoclusters as ratiometric pH probes. <i>Chemical Communications</i> , <b>2014</b> , 50, 8571-4	5.8	68
306	Gold nanoparticles as sensitive optical probes. <i>Analyst, The</i> , <b>2016</b> , 141, 1611-26	5	67
305	Capillary electrophoresis-based separation techniques for the analysis of proteins. <i>Electrophoresis</i> , <b>2006</b> , 27, 3503-22	3.6	67
304	Control of synthesis and optical properties of DNA templated silver nanoclusters by varying DNA length and sequence. <i>RSC Advances</i> , <b>2011</b> , 1, 802	3.7	65

303	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703549	24	64
302	The isomeric effect of mercaptobenzoic acids on the preparation and fluorescence properties of copper nanoclusters. <i>Chemical Communications</i> , <b>2015</b> , 51, 11983-6	5.8	62
301	Synthesis of copper nanowire decorated reduced graphene oxide for electro-oxidation of methanol. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5973	13	62
300	Photoluminescent AuCu bimetallic nanoclusters as pH sensors and catalysts. <i>Nanoscale</i> , <b>2014</b> , 6, 3503-7	7.7	61
299	Detection of proteins and protein-ligand complexes using HgTe nanostructure matrixes in surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 4543-50	7.8	61
298	Growth of various AuAg nanocomposites from gold seeds in amino acid solutions. <i>Nanotechnology</i> , <b>2006</b> , 17, 4885-4894	3.4	61
297	Nanomaterials and chip-based nanostructures for capillary electrophoretic separations of DNA. <i>Electrophoresis</i> , <b>2005</b> , 26, 320-30	3.6	61
296	Size-tunable copper nanocluster aggregates and their application in hydrogen sulfide sensing on paper-based devices. <i>Scientific Reports</i> , <b>2016</b> , 6, 24882	4.9	58
295	Synthesis of photoluminescent carbon dots for the detection of cobalt ions. <i>RSC Advances</i> , <b>2015</b> , 5, 22853-2291	3.7	57
294	Nanoparticle-filled capillary electrophoresis for the separation of long DNA molecules in the presence of hydrodynamic and electrokinetic forces. <i>Electrophoresis</i> , <b>2005</b> , 26, 3069-75	3.6	57
293	Synthesis of enzyme mimics of iron telluride nanorods for the detection of glucose. <i>Chemical Communications</i> , <b>2012</b> , 48, 4079-81	5.8	56
292	Synthesis of fluorescent and photovoltaic Cu(2)O nanocubes. <i>Nanotechnology</i> , <b>2008</b> , 19, 025604	3.4	56
291	Fluorescence detection of single nucleotide polymorphisms using a universal molecular beacon. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, e123	20.1	56
290	Analysis of biologically active amines by CE. <i>Electrophoresis</i> , <b>2006</b> , 27, 4792-807	3.6	56
289	Signal Amplified Gold Nanoparticles for Cancer Diagnosis on Paper-Based Analytical Devices. <i>ACS Sensors</i> , <b>2018</b> , 3, 174-182	9.2	55
288	Synthesis and characterization of Au core-Au-Ag shell nanoparticles from gold seeds: impacts of glycine concentration and pH. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 301, 145-54	9.3	55
287	DNA functionalized gold nanoparticles for bioanalysis. <i>Analytical Methods</i> , <b>2009</b> , 1, 14-24	3.2	54
286	Synthesis of photoluminescent Au ND-PNIPAM hybrid microgel for the detection of Hg <sup>2+</sup> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 4383-8	9.5	53

285	Accurate quantitation of glutathione in cell lysates through surface-assisted laser desorption/ionization mass spectrometry using gold nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2010</b> , 6, 530-7	6	52
284	Synthesis of fluorescent gold nanodot-liposome hybrids for detection of phospholipase C and its inhibitor. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8834-40	7.8	51
283	Optical and electrochemical applications of silicon-carbon dots/silicon dioxide nanocomposites. <i>ACS Nano</i> , <b>2015</b> , 9, 312-9	16.7	51
282	Characterization and application to the detection of single-stranded DNA binding protein of fluorescent DNA-templated copper/silver nanoclusters. <i>Analyst, The</i> , <b>2011</b> , 136, 3623-8	5	51
281	Preparation of gold-tellurium hybrid nanomaterials for surface-enhanced Raman spectroscopy. <i>Langmuir</i> , <b>2008</b> , 24, 365-7	4	51
280	Improved separation of double-stranded DNA fragments by capillary electrophoresis using poly(ethylene oxide) solution containing colloids. <i>Electrophoresis</i> , <b>2003</b> , 24, 2896-902	3.6	51
279	Analysis of double-stranded DNA by microchip capillary electrophoresis using polymer solutions containing gold nanoparticles. <i>Journal of Chromatography A</i> , <b>2003</b> , 1014, 47-55	4.5	51
278	Immobilization of aptamer-modified gold nanoparticles on BiOCl nanosheets: Tunable peroxidase-like activity by protein recognition. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 181-7	11.8	50
277	Separation of double-stranded DNA fragments by capillary electrophoresis: Impacts of poly(ethylene oxide), gold nanoparticles, ethidium bromide, and pH. <i>Electrophoresis</i> , <b>2004</b> , 25, 2186-92	3.6	50
276	Discontinuous electrolyte systems for improved detection of biologically active amines and acids by capillary electrophoresis with laser-induced native fluorescence detection. <i>Electrophoresis</i> , <b>2005</b> , 26, 187-95	3.6	50
275	Synthesis and catalysis of copper sulfide/carbon nanodots for oxygen reduction in direct methanol fuel cells. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 132-133, 363-369	21.8	49
274	CdHgTe and CdTe quantum dot solar cells displaying an energy conversion efficiency exceeding 2%. <i>Solar Energy Materials and Solar Cells</i> , <b>2010</b> , 94, 2046-2051	6.4	49
273	Laser-induced fluorescence technique for DNA and proteins separated by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 793, 37-48 <sup>3.2</sup>	3.2	49
272	Using photoluminescent gold nanodots to detect hemoglobin in diluted blood samples. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 38-44	11.8	47
271	Antibacterial activities of tellurium nanomaterials. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 930-4	4.5	47
270	Fluorescence detection of single-nucleotide polymorphisms using a thymidine-based molecular beacon. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2541-6	11.8	47
269	Aptamer-Conjugated Nanoparticles Efficiently Control the Activity of Thrombin. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3175-3182	15.6	47
268	On-line concentration of trace proteins by pH junctions in capillary electrophoresis with UV absorption detection. <i>Journal of Chromatography A</i> , <b>2002</b> , 979, 261-70	4.5	47



267	Silver nanoclusters as fluorescent nanosensors for selective and sensitive nitrite detection. <i>Analytical Methods</i> , <b>2016</b> , 8, 2628-2633	3.2	45
266	Ligand effect on the luminescence of gold nanodots and its application for detection of total mercury ions in biological samples. <i>RSC Advances</i> , <b>2013</b> , 3, 4588	3.7	45
265	Disassembly mediated fluorescence recovery of gold nanodots for selective sulfide sensing. <i>Nanoscale</i> , <b>2013</b> , 5, 4683-6	7.7	44
264	Determination of glycine, glutamine, glutamate, and $\beta$ -aminobutyric acid in cerebrospinal fluids by capillary electrophoresis with light-emitting diode-induced fluorescence detection. <i>Analytica Chimica Acta</i> , <b>2005</b> , 538, 143-150	6.6	44
263	Electrophoretic separation of small DNA fragments in the presence of electroosmotic flow using poly(ethylene oxide) solutions. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 2033-6	7.8	44
262	Enrichment and fluorescence enhancement of adenosine using aptamer-gold nanoparticles, PDGF aptamer, and Oligreen. <i>Talanta</i> , <b>2010</b> , 81, 493-8	6.2	43
261	Photoluminescence sensing systems based on copper, gold and silver nanomaterials. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 320-321, 129-138	23.2	42
260	Highly efficient inhibition of human immunodeficiency virus type 1 reverse transcriptase by aptamers functionalized gold nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 2756-64	7.7	42
259	CE with sequential light-emitting diode-induced fluorescence and electro-chemiluminescence detections for the determination of amino acids and alkaloids. <i>Electrophoresis</i> , <b>2007</b> , 28, 1092-9	3.6	42
258	Silica nanoparticles for separation of biologically active amines by capillary electrophoresis with laser-induced native fluorescence detection. <i>Electrophoresis</i> , <b>2005</b> , 26, 2643-51	3.6	42
257	Visual detection of cyanide ions by membrane-based nanozyme assay. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 510-517	11.8	42
256	Photoassisted synthesis of luminescent mannose-Au nanodots for the detection of thyroglobulin in serum. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 334-41	4.5	41
255	Quantification of captopril in urine through surface-assisted laser desorption/ionization mass spectrometry using 4-mercaptobenzoic acid-capped gold nanoparticles as an internal standard. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 864-7	3.5	41
254	Stacking, derivatization, and separation by capillary electrophoresis of amino acids from cerebrospinal fluids. <i>Electrophoresis</i> , <b>2006</b> , 27, 1922-31	3.6	41
253	Improved separation of microheterogeneities and isoforms of proteins by capillary electrophoresis using segmental filling with SDS and PEO in the background electrolyte. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4828-34	7.8	41
252	Peroxidase mimicking DNA-gold nanoparticles for fluorescence detection of the lead ions in blood. <i>Analyst, The</i> , <b>2012</b> , 137, 5222-8	5	40
251	Protein A-conjugated luminescent gold nanodots as a label-free assay for immunoglobulin G in plasma. <i>Analyst, The</i> , <b>2011</b> , 136, 1177-82	5	40
250	Immunoaffinity capillary electrophoresis: determination of binding constant and stoichiometry for antibody-antigen interaction. <i>Electrophoresis</i> , <b>2002</b> , 23, 836-46	3.6	40

249	Synergistically dual-functional nano eye-drops for simultaneous anti-inflammatory and anti-oxidative treatment of dry eye disease. <i>Nanoscale</i> , <b>2019</b> , 11, 5580-5594	7.7	39
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