

# Huan-Tsung Chang

## 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.

392  
papers

21,673  
citations

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	Surface-enhanced Raman spectroscopy and density functional theory study of thymine-1-acetic acid interaction with silver nanoparticles. <i>Canadian Journal of Chemistry</i> , <b>2022</b> , 100, 55-62	0.9	
391	Anti-microbial/oxidative/inflammatory nanogels accelerate chronic wound healing. <i>Smart Materials in Medicine</i> , <b>2022</b> , 3, 148-158	12.9	4
390	Development of Fluorescent Carbon Nanoparticle-Based Probes for Intracellular pH and Hypochlorite Sensing. <i>Chemosensors</i> , <b>2022</b> , 10, 64	4	0
389	Screening of synthetic cannabinoids in herbal mixtures using 1-dodecanethiol-gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 353, 131151	8.5	0
388	Carbon dots with polarity-tunable characteristics for the selective detection of sodium copper chlorophyllin and copper ions.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1191, 339311	6.6	3
387	Detection of pathogens using graphene quantum dots and gold nanoclusters on paper-based analytical devices. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 363, 131824	8.5	1
386	Ratiometric Fluorescence Probe of Vesicle-like Carbon Dots and Gold Clusters for Quantitation of Cholesterol. <i>Chemosensors</i> , <b>2022</b> , 10, 160	4	1
385	Evaluation of chemotherapeutic response in living cells using subcellular Organelle-Selective amphipathic carbon dots. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 114362	11.8	0
384	Self-redox reaction driven in situ formation of CuO/TiCT nanosheets boost the photocatalytic eradication of multi-drug resistant bacteria from infected wound.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 235	9.4	2
383	Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease.. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 448	9.4	1
382	Catalytic and photoresponsive BiZ/CuS heterojunctions with surface vacancies for the treatment of multidrug-resistant clinical biofilm-associated infections. <i>Nanoscale</i> , <b>2021</b> , 13, 18632-18646	7.7	3
381	Copper Sulfide Nanoassemblies for Catalytic and Photoresponsive Eradication of Bacteria from Infected Wounds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7865-7878	9.5	18
380	Polymer/glutathione Au nanoclusters for detection of sulfides. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 333, 129356	8.5	3
379	Carbonized nanogels for simultaneous antibacterial and antioxidant treatment of bacterial keratitis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128469	14.7	17
378	CD28 engagement inhibits CD73-mediated regulatory activity of CD8 T cells. <i>Communications Biology</i> , <b>2021</b> , 4, 595	6.7	
377	Grand Challenges in Analytical Science <b>2021</b> , 1,		2
376	Electrochemical synthesis of carbon dots with a Stokes shift of 309nm for sensing of Fe <sup>3+</sup> and ascorbic acid. <i>Dyes and Pigments</i> , <b>2021</b> , 185, 108878	4.6	12

375	Silver oxide model surface improves computational simulation of surface-enhanced Raman spectroscopy on silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 15480-15484	3.6	1
374	MXene Nanosheet-Based Microneedles for Monitoring Muscle Contraction and Electrostimulation Treatment. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 7917-7924	5.6	8
373	Controlling morphology evolution of titanium oxide-gold nanourchin for photocatalytic degradation of dyes and photoinactivation of bacteria in the infected wound. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 598, 260-273	9.3	3
372	A critical review of copper nanoclusters for monitoring of water quality. <i>Sensors and Actuators Reports</i> , <b>2021</b> , 3, 100026	4.7	8
371	Electrocatalytic CuBr@CuO nanoparticles based salivary glucose probes. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113610	11.8	4
370	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. <i>Biomaterials Science</i> , <b>2021</b> , 9, 4679-4690	7.4	2
369	Fluorescent Carbon Dots for Selective Labeling of Subcellular Organelles. <i>ACS Omega</i> , <b>2020</b> , 5, 11248-11261	3.9	37
368	Importance of Cobalt-Doping for the Preparation of Hollow CuBr/[email protected] Nanocorals on Copper Foils with Enhanced Electrocatalytic Activity and Stability for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 9794-9802	8.3	6
367	Tuning the photoluminescence of metal nanoclusters for selective detection of multiple heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 321, 128539	8.5	16
366	Self-Sufficient and Highly Efficient Gold Sandwich Upconversion Nanocomposite Lasers for Stretchable and Bio-applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 19840-19854	9.5	10
365	Carbon dots as artificial peroxidases for analytical applications. <i>Journal of Food and Drug Analysis</i> , <b>2020</b> , 28, 559-575	7	9
364	The analytical and biomedical applications of carbon dots and their future theranostic potential: A review. <i>Journal of Food and Drug Analysis</i> , <b>2020</b> , 28, 678-696	7	5
363	Platinum ions mediate the interactions between DNA and carbon quantum dots: diagnosis of MRSA infections. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3506-3512	7.3	5
362	Highly adhesive carbon quantum dots from biogenic amines for prevention of biofilm formation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 386, 123913	14.7	31
361	Bead-String-Shaped DNA Nanowires with Intrinsic Structural Advantages and Their Potential for Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3341-3353	9.5	18
360	A Carbon-Dot Sensing Probe for Screening of Date Rape Drugs: Nitro-containing Benzodiazepines. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127441	8.5	8
359	Capping 1,3-propanedithiol to boost the antibacterial activity of protein-templated copper nanoclusters. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 389, 121821	12.8	10
358	Excellent oxidation resistive MXene aqueous ink for micro-supercapacitor application. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 563-571	19.4	124

357	Recent Advances and Sensing Applications of Carbon Dots. <i>Small Methods</i> , <b>2020</b> , 4, 1900387	12.8	75
356	DNA engineered copper oxide-based nanocomposites with multiple enzyme-like activities for specific detection of mercury species in environmental and biological samples. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1084, 106-115	6.6	13
355	Dual-functional gold nanoparticles with antimicrobial and proangiogenic activities improve the healing of multidrug-resistant bacteria-infected wounds in diabetic mice. <i>Biomaterials Science</i> , <b>2019</b> , 7, 4482-4490	7.4	19
354	Effect of Precursor Structure on Unibody Core-Shell Properties and the in-vitro Study of a Dual Anti-drug/ Drug System. <i>Materials Today: Proceedings</i> , <b>2019</b> , 17, 1964-1970	1.4	
353	Carbon dots functionalized papers for high-throughput sensing of 4-chloroethcathinone and its analogues in crime sites. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 191017	3.3	12
352	Linking opiate metabolites to heroin through gas chromatography-combustion-isotope ratio mass spectrometry. <i>Analytical Methods</i> , <b>2019</b> , 11, 712-716	3.2	
351	Mesoporous manganese oxide/manganese ferrite nanopopcorns with dual enzyme mimic activities: A cascade reaction for selective detection of ketoses. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 541, 75-85	9.3	11
350	Parameters affecting the synthesis of carbon dots for quantitation of copper ions. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2553-2561	5.1	8
349	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
348	Chiral Ag and Au Nanomaterials Based Optical Approaches for Analytical Applications. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800552	3.1	8
347	First trimester placental vascular indices and volume by three-dimensional ultrasound in pre-gravid overweight women. <i>Placenta</i> , <b>2019</b> , 80, 12-17	3.4	4
346	Porous aluminum electrodes with 3D channels and zig-zag edges for efficient hydrogen evolution. <i>Chemical Communications</i> , <b>2019</b> , 55, 5447-5450	5.8	6
345	Synthesis and fluorescent properties of N(9)-alkylated 2-amino-6-triazolylpurines and 7-deazapurines. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 474-489	2.5	12
344	Nitrogen-doped carbon nanodots prepared from polyethylenimine for fluorometric determination of salivary uric acid. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 166	5.8	15
343	A Photoluminescent Colorimetric Probe of Bovine Serum Albumin-Stabilized Gold Nanoclusters for New Psychoactive Substances: Cathinone Drugs in Seized Street Samples. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
342	Polydopamine-coated gold nanostar for combined antitumor and antiangiogenic therapy in multidrug-resistant breast cancer. <i>Nanotheranostics</i> , <b>2019</b> , 3, 266-283	5.6	26
341	Carbon Dots for Bacterial Detection and Antibacterial Applications-A Minireview. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 4848-4860	3.3	5
340	Quantification of glucose via in situ growth of Cu <sub>2</sub> O/Ag nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 224-231	8.5	6

339	Detection of urinary spermine by using silver-gold/silver chloride nanozymes. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1009, 89-97	6.6	32
338	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
337	Facet- and structure-dependent catalytic activity of cuprous oxide/polypyrrole particles towards the efficient reduction of carbon dioxide to methanol. <i>Nanoscale</i> , <b>2018</b> , 10, 11869-11880	7.7	38
336	Hybridizing Strong Quadrupole Gap Plasmons Using Optimized Nanoantennas with Bilayer MoS <sub>2</sub> for Excellent Photo-Electrochemical Hydrogen Evolution. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801184	21.8	17
335	Graphene oxide membrane as an efficient extraction and ionization substrate for spray-mass spectrometric analysis of malachite green and its metabolite in fish samples. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1003, 42-48	6.6	26
334	Visual detection of cyanide ions by membrane-based nanozyme assay. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 510-517	11.8	42
333	Adsorption orientation of 8-azaadenine on silver nanoparticles determined by SERS and DFT. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 376-382	2.3	4
332	Detection of Metabolites in Cells through Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>ACS Omega</i> , <b>2018</b> , 3, 17386-17391	3.9	4
331	Quadrupole Gap Plasmons: Hybridizing Strong Quadrupole Gap Plasmons Using Optimized Nanoantennas with Bilayer MoS <sub>2</sub> for Excellent Photo-Electrochemical Hydrogen Evolution (Adv. Energy Mater. 29/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870127	21.8	1
330	Branched DNA Junction-Enhanced Isothermal Circular Strand Displacement Polymerization for Intracellular Imaging of MicroRNAs. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 13891-13899	7.8	21
329	Self-Assembled Chiral Gold Supramolecules with Efficient Laser Absorption for Enantiospecific Recognition of Carnitine. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7283-7291	7.8	19
328	Green synthesis of catalytic gold/bismuth oxyiodide nanocomposites with oxygen vacancies for treatment of bacterial infections. <i>Nanoscale</i> , <b>2018</b> , 10, 11808-11819	7.7	25
327	Smart app-based on-field colorimetric quantification of mercury via analyte-induced enhancement of the photocatalytic activity of TiO <sub>2</sub> -Au nanospheres. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4555-4564	4.4	13
326	Self-assembled, bivalent aptamers on graphene oxide as an efficient anticoagulant. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1882-1891	7.4	12
325	The effect of ligand-ligand interactions on the formation of photoluminescent gold nanoclusters embedded in Au(i)-thiolate supramolecules. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12085-12093	3.6	27
324	Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> microboxes for efficient removal of heavy metal ions. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7751-7757	3.6	19
323	Control of the Fluorescence of DNA-templated Silver Nanoclusters by Adenosine Triphosphate and Mercury(II). <i>Journal of the Chinese Chemical Society</i> , <b>2017</b> , 64, 8-16	1.5	5
322	Metal-deposited bismuth oxyiodide nanonetworks with tunable enzyme-like activity: sensing of mercury and lead ions. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 893-899	7.8	24

321	Biomarkers of cigarette smoking and DNA methylating agents: Raman, SERS and DFT study of 3-methyladenine and 7-methyladenine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 176, 1-7	4.4	11
320	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703549	24	64
319	Enhancing carbohydrate ion yield by controlling crystalline structures in matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2017</b> , 994, 49-55	6.6	2
318	Satellite-like Gold Nanocomposites for Targeted Mass Spectrometry Imaging of Tumor Tissues. <i>Nanotheranostics</i> , <b>2017</b> , 1, 141-153	5.6	11
317	Control of pH for separated quantitation of nitrite and cyanide ions using photoluminescent copper nanoclusters. <i>Analytical Methods</i> , <b>2017</b> , 9, 5254-5259	3.2	13
316	Dirac point induced ultralow-threshold laser and giant optoelectronic quantum oscillations in graphene-based heterojunctions. <i>Nature Communications</i> , <b>2017</b> , 8, 256	17.4	22
315	Quantitation of <i>Escherichia coli</i> through electrochemical oxidation of glucose on CuO/Cu <sub>2</sub> O/Ppy paper electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 1063-1070	8.5	6
314	Stable and Photoswitchable Carbon-Dot Liposome. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44259-44263	9.5	33
313	Polymer/reduced graphene oxide functionalized sponges as superabsorbents for oil removal and recovery. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 114, 888-895	6.7	33
312	Glutathione assisted preparation of gold nanoclusters using minimum amount of protein. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1258-1265	8.5	20
311	Functionalized HgTe nanoparticles promote laser-induced solid phase ionization/dissociation for comprehensive glycan sequencing. <i>Analyst, The</i> , <b>2016</b> , 141, 6093-6103	5	9
310	Aminophenylboronic acid polymer nanoparticles for quantitation of glucose and for insulin release. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 6557-65	4.4	8
309	Glucose Oxidase and Horseradish Peroxidase Like Activities of Cuprous Oxide/Polypyrrole Composites. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 253-260	6.7	23
308	Critical factors determining the quantification capability of matrix-assisted laser desorption/ionization- time-of-flight mass spectrometry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	16
307	Carbon/Boron core-shell microspheres for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12987-12994	13	8
306	Generation of Enzymatic Hydrogen Peroxide to Accelerate the Etching of Silver Nanocrystals with Selectivity. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7519-7527	9.6	5
305	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
304	Green synthesis of Si/CQD nanocomposites as cost-effective catalysts for oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 108941-108947	3.7	6

303	Preparation of Homogeneous MALDI Samples for Quantitative Applications. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	3
302	Reducing Spatial Heterogeneity of MALDI Samples with Marangoni Flows During Sample Preparation. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1314-21	3.5	25
301	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
300	Gold nanoparticles as sensitive optical probes. <i>Analyt, The</i> , <b>2016</b> , 141, 1611-26	5	67
299	Ultrasound-mediated modulation of the emission of gold nanodots. <i>Nanoscale</i> , <b>2016</b> , 8, 5162-9	7.7	16
298	Silver nanoclusters as fluorescent nanosensors for selective and sensitive nitrite detection. <i>Analytical Methods</i> , <b>2016</b> , 8, 2628-2633	3.2	45
297	Intrinsic magnetic properties of plant leaf-derived graphene quantum dots. <i>Materials Letters</i> , <b>2016</b> , 170, 110-113	3.3	6
296	Self-templated formation of aptamer-functionalized copper oxide nanorods with intrinsic peroxidase catalytic activity for protein and tumor cell detection. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 100-107	8.5	23
295	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
294	Gold nanoparticles modified with self-assembled hybrid monolayer of triblock aptamers as a photoreversible anticoagulant. <i>Journal of Controlled Release</i> , <b>2016</b> , 221, 9-17	11.7	23
293	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
292	Sensitive detection of cyanide using bovine serum albumin-stabilized cerium/gold nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 287-94	4.4	21
291	Synthesis, Optical Properties, and Sensing Applications of Gold Nanodots. <i>Chemical Record</i> , <b>2016</b> , 16, 1664-75	6.6	3
290	Biomedical Applications of DNA-Conjugated Gold Nanoparticles. <i>ChemBioChem</i> , <b>2016</b> , 17, 1052-62	3.8	37
289	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
288	Photoassisted photoluminescence fine-tuning of gold nanodots through free radical-mediated ligand-assembly. <i>Nanoscale</i> , <b>2016</b> , 8, 9771-9	7.7	9
287	Controlled synthesis of Se-supported Au/Pd nanoparticles with photo-assisted electrocatalytic activity and their application in self-powered sensing systems. <i>Nano Energy</i> , <b>2016</b> , 22, 564-571	17.1	33
286	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

285	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
284	Nanomaterial based mass spectrometry of oligodeoxynucleotide drug complexes. <i>Analytical Methods</i> , <b>2015</b> , 7, 6360-6364	3.2	
283	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
282	Aptamer-conjugated polymeric nanoparticles for the detection of cancer cells through "turn-on" retro-self-quenched fluorescence. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4925-32	7.8	32
281	Palladium copper nanosponges for electrocatalytic reduction of oxygen and glucose detection. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9675-9681	13	32
280	Photoluminescent carbon nanodots: synthesis, physicochemical properties and analytical applications. <i>Materials Today</i> , <b>2015</b> , 18, 447-458	21.8	317
279	Fluorescent gold nanodots based sensor array for proteins discrimination. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4253-9	7.8	101
278	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
277	Photoluminescent graphene quantum dots for in vivo imaging of apoptotic cells. <i>Nanoscale</i> , <b>2015</b> , 7, 2504-10	7.7	83
276	Synthesis of photoluminescent carbon dots for the detection of cobalt ions. <i>RSC Advances</i> , <b>2015</b> , 5, 22853-2291	5.7	57
275	Unibody core-shell smart polymer as a theranostic nanoparticle for drug delivery and MR imaging. <i>Biomaterials</i> , <b>2015</b> , 37, 436-46	15.6	23
274	Fluorescent gold nanoclusters: recent advances in sensing and imaging. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 216-29	7.8	609
273	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
272	Analyses of functional polymer-modified nanoparticles for protein sensing by surface-assisted laser desorption/ionization mass spectrometry coupled with HgTe nanomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 130, 157-63	6	5
271	Optical and electrochemical applications of silicon-carbon dots/silicon dioxide nanocomposites. <i>ACS Nano</i> , <b>2015</b> , 9, 312-9	16.7	51
270	Sensitive and selective DNA probe based on "turn-on" photoluminescence of C-dots@RGO. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6917-23	4.4	7
269	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
268	Photoluminescent AuCu bimetallic nanoclusters as pH sensors and catalysts. <i>Nanoscale</i> , <b>2014</b> , 6, 3503-7	7.7	61



267	Gold and Silver Nanomaterial-Based Optical Sensing Systems. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 917-942	3.1	37
266	Aggregation-induced emission of GFP-like chromophores via exclusion of solvent-solute hydrogen bonding. <i>Chemical Communications</i> , <b>2014</b> , 50, 620-2	5.8	22
265	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
264	Effects of deposited ions on the photocatalytic activity of TiO <sub>2</sub> /Au nanospheres. <i>RSC Advances</i> , <b>2014</b> , 4, 57290-57296	3.7	12
263	Synthesis of Cu <sub>9</sub> S <sub>8</sub> /carbon nanotube nanocomposites with high electrocatalytic activity for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11899	13	20
262	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
261	Photoluminescent gold nanodots: role of the accessing ligands. <i>RSC Advances</i> , <b>2014</b> , 4, 33629	3.7	21
260	Immobilization of iron hydroxide/oxide on reduced graphene oxide: peroxidase-like activity and selective detection of sulfide ions. <i>RSC Advances</i> , <b>2014</b> , 4, 37705	3.7	26
259	Sensitive detection of platelet-derived growth factor through surface-enhanced Raman scattering. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7606-11	7.8	22
258	Self-assembly of hybridized ligands on gold nanodots: tunable photoluminescence and sensing of nitrite. <i>Nanoscale</i> , <b>2014</b> , 6, 11078-83	7.7	29
257	Synthesis and antimicrobial activity of gold/silver-tellurium nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8305-12	9.5	26
256	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
255	Fluorescent silver nanoclusters stabilized by DNA scaffolds. <i>Chemical Communications</i> , <b>2014</b> , 50, 9800-15	5.8	137
254	Quantification of saccharides in honey samples through surface-assisted laser desorption/ionization mass spectrometry using HgTe nanostructures. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1247-52	3.5	13
253	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
252	Graphene oxide modified with aptamer-conjugated gold nanoparticles and heparin: a potent targeted anticoagulant. <i>Biomaterials Science</i> , <b>2014</b> , 2, 1332-1337	7.4	8
251	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
250	Functional microgels assisted tryptic digestion and quantification of cytochrome c through internal standard mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1944-52	3.5	2

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248	Sensitive and Selective Gold Nanomaterials Based Optical Probes. <i>Journal of the Chinese Chemical Society</i> , <b>2014</b> , 61, 163-174	1.5	8
247	Detection of hydrogen sulfide through photoluminescence quenching of penicillamine-copper nanocluster aggregates. <i>Nanotechnology</i> , <b>2014</b> , 25, 195502	3.4	34
246	Detection of adenosine 5'-triphosphate by fluorescence variation of oligonucleotide-templated silver nanoclusters. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 266-71	11.8	23
245	Using surface-assisted laser desorption/ionization mass spectrometry to detect ss- and ds-oligodeoxynucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 877-83	3.5	5
244	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
243	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
242	Sensitive pH probes of retro-self-quenching fluorescent nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2425-2432	7.3	15
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239	Gold Nanomaterials Based Absorption and Fluorescence Detection of Mercury, Lead, and Copper. <i>ACS Symposium Series</i> , <b>2013</b> , 39-62	0.4	1
238	Conformational dynamics of DNA bulge loops investigated by CE-LIF. <i>Analytical Methods</i> , <b>2013</b> , 5, 2773	3.2	
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236	Synthesis of fluorescent BSA-Au NCs for the detection of Hg <sup>2+</sup> ions. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	30
235	Analysis of the formation process of gold nanoparticles by surface-assisted laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 305-8	3.5	4
234	Photoluminescent C-dots@RGO for sensitive detection of hydrogen peroxide and glucose. <i>Talanta</i> , <b>2013</b> , 115, 718-23	6.2	27
233	Synthesis of Anatase Se/Te-TiO <sub>2</sub> Nanorods with Dominant {100} Facets: Photocatalytic and Antibacterial Activity Induced by Visible Light. <i>ChemPlusChem</i> , <b>2013</b> , 78, 302-309	2.8	18
232	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

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230	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
229	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
228	Fibrinolysis and thrombolysis of fibrinogen-modified gold nanoparticles for detection of fibrinolytic-related proteins. <i>Analytica Chimica Acta</i> , <b>2013</b> , 774, 67-72	6.6	6
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225	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
224	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
223	Disassembly mediated fluorescence recovery of gold nanodots for selective sulfide sensing. <i>Nanoscale</i> , <b>2013</b> , 5, 4683-6	7.7	44
222	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
221	Te/Pt nanonetwork modified carbon fiber microelectrodes for methanol oxidation. <i>Nanotechnology</i> , <b>2013</b> , 24, 195402	3.4	11
220	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
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218	Detection of mercury ions using silver telluride nanoparticles as a substrate and recognition element through surface-enhanced Raman scattering. <i>Frontiers in Chemistry</i> , <b>2013</b> , 1, 20	5	7
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215	Tellurium-nanowire-coated glassy carbon electrodes for selective and sensitive detection of dopamine. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 479-483	11.8	21
214	Enzyme mimics of Au/Ag nanoparticles for fluorescent detection of acetylcholine. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 9706-12	7.8	116

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211	Detection of carbohydrates using surface-assisted laser desorption/ionization mass spectrometry with HgTe nanostructures. <i>Chemical Science</i> , <b>2012</b> , 3, 2147	9.4	24
210	Highly flexible and stable aptamer-caged nanoparticles for control of thrombin activity. <i>RSC Advances</i> , <b>2012</b> , 2, 1577-1584	3.7	15
209	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
208	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
207	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
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205	Preparation of photocatalytic Au-Ag <sub>2</sub> Te nanomaterials. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 12330-4	6.8	13
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198	Detection of melamine in infant formula and grain powder by surface-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 1393-8	2.2	14
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195	Antibacterial activities of tellurium nanomaterials. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 930-4	4.5	47
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178	Gold nanoparticles presenting hybridized self-assembled aptamers that exhibit enhanced inhibition of thrombin. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7660-5	16.4	33

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166	Electrocatalytic sulfur electrodes for CdS/CdSe quantum dot-sensitized solar cells. <i>Chemical Communications</i> , <b>2010</b> , 46, 5485-7	5.8	261
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