

# Youyu Zhang

## List of Publications by Citations

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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.

245  
papers

8,570  
citations

49  
h-index

77  
g-index

248  
ext. papers

10,093  
ext. citations

6.3  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
245	Electrochemical synthesis of carbon nanodots directly from alcohols. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4993-9	4.8	229
244	Green synthesis of carbon dots with down- and up-conversion fluorescent properties for sensitive detection of hypochlorite with a dual-readout assay. <i>Analyt, The</i> , <b>2013</b> , 138, 6551-7	5	201
243	A double signal amplification platform for ultrasensitive and simultaneous detection of ascorbic acid, dopamine, uric acid and acetaminophen based on a nanocomposite of ferrocene thiolate stabilized Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticles with graphene sheet. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 48, 75-81	11.8	182
242	One-pot electrochemical synthesis of functionalized fluorescent carbon dots and their selective sensing for mercury ion. <i>Analytica Chimica Acta</i> , <b>2015</b> , 866, 69-74	6.6	173
241	Nanosensor composed of nitrogen-doped carbon dots and gold nanoparticles for highly selective detection of cysteine with multiple signals. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2195-203	7.8	172
240	Upconversion nanoparticle-based fluorescence resonance energy transfer assay for organophosphorus pesticides. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 168-174	11.8	168
239	A label-free silicon quantum dots-based photoluminescence sensor for ultrasensitive detection of pesticides. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 11464-70	7.8	162
238	Universal TiC MXenes Based Self-Standard Ratiometric Fluorescence Resonance Energy Transfer Platform for Highly Sensitive Detection of Exosomes. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12737-12744	7.8	156
237	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. <i>Small</i> , <b>2019</b> , 15, e1805103	11	153
236	Sensitive electrochemical aptamer biosensor for dynamic cell surface N-glycan evaluation featuring multivalent recognition and signal amplification on a dendrimer-graphene electrode interface. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4278-86	7.8	144
235	A new turn-on fluorescent probe for selective detection of glutathione and cysteine in living cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 4640-2	5.8	131
234	Ultrasensitive electrochemical aptasensor for thrombin based on the amplification of aptamer-AuNPs-HRP conjugates. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2297-303	11.8	131
233	Multifunctional Electrochemical Platforms Based on the Michael Addition/Schiff Base Reaction of Polydopamine Modified Reduced Graphene Oxide: Construction and Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17935-46	9.5	123
232	Label-free Si quantum dots as photoluminescence probes for glucose detection. <i>Chemical Communications</i> , <b>2013</b> , 49, 612-4	5.8	117
231	Ultrasensitive and simultaneous detection of hydroquinone, catechol and resorcinol based on the electrochemical co-reduction prepared Au-Pd nanoflower/reduced graphene oxide nanocomposite. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 677-685	6.7	113
230	A quadruplet electrochemical platform for ultrasensitive and simultaneous detection of ascorbic acid, dopamine, uric acid and acetaminophen based on a ferrocene derivative functional Au NPs/carbon dots nanocomposite and graphene. <i>Analytica Chimica Acta</i> , <b>2016</b> , 903, 69-80	6.6	105
229	A Study of Depletion Layer Effects on Equivalent Circuit Parameters Using an Electrochemical Quartz Crystal Impedance System. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4649-4656	7.8	102

228	Simultaneous Visualization of Endogenous Homocysteine, Cysteine, Glutathione, and their Transformation through Different Fluorescence Channels. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4557-4561	16.4	96
227	One-step electrochemical synthesis of ultrathin graphitic carbon nitride nanosheets and their application to the detection of uric acid. <i>Chemical Communications</i> , <b>2015</b> , 51, 12251-3	5.8	94
226	Development of a new atropine sulfate bulk acoustic wave sensor based on a molecularly imprinted electrosynthesized copolymer of aniline with o-phenylenediamine. <i>Analytica Chimica Acta</i> , <b>2000</b> , 423, 221-228	6.6	92
225	High fluorescence S, N co-doped carbon dots as an ultra-sensitive fluorescent probe for the determination of uric acid. <i>Talanta</i> , <b>2016</b> , 155, 62-9	6.2	92
224	Polyamidoamine dendrimer and oleic acid-functionalized graphene as biocompatible and efficient gene delivery vectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8173-83	9.5	89
223	Scanning electrochemical microscopy in combination with piezoelectric quartz crystal impedance analysis for studying the growth and electrochemistry as well as microetching of poly(o-phenylenediamine) thin films. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 4053-63	3.4	89
222	Gold nanoclusters as switch-off fluorescent probe for detection of uric acid based on the inner filter effect of hydrogen peroxide-mediated enlargement of gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 734-740	11.8	88
221	Room-temperature ionic liquids/multi-walled carbon nanotubes/chitosan composite electrode for electrochemical analysis of NADH. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 6630-6637	6.7	88
220	Hairpin DNA switch for ultrasensitive spectrophotometric detection of DNA hybridization based on gold nanoparticles and enzyme signal amplification. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 6440-6	7.8	85
219	Rapid and highly-sensitive uric acid sensing based on enzymatic catalysis-induced upconversion inner filter effect. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 109-114	11.8	80
218	Upconversion ratiometric fluorescence and colorimetric dual-readout assay for uric acid. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 664-670	11.8	79
217	A double signal electrochemical human immunoglobulin G immunosensor based on gold nanoparticles-polydopamine functionalized reduced graphene oxide as a sensor platform and AgNPs/carbon nanocomposite as signal probe and catalytic substrate. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 87, 1073-81	11.8	77
216	Improved GFP gene transfection mediated by polyamidoamine dendrimer-functionalized multi-walled carbon nanotubes with high biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 206-13	6	75
215	Hydroxyl-rich C-dots synthesized by a one-pot method and their application in the preparation of noble metal nanoparticles. <i>Chemical Communications</i> , <b>2015</b> , 51, 7164-7	5.8	73
214	Water-dispersible silicon dots as a peroxidase mimetic for the highly-sensitive colorimetric detection of glucose. <i>Chemical Communications</i> , <b>2014</b> , 50, 6771-4	5.8	73
213	On-off fluorescent silicon nanoparticles for recognition of chromium(VI) and hydrogen sulfide based on the inner filter effect. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 196-203	8.5	72
212	A facile and simple method for synthesis of graphene oxide quantum dots from black carbon. <i>Green Chemistry</i> , <b>2017</b> , 19, 900-904	10	67
211	An ESIPT-based fluorescent probe for highly selective and ratiometric detection of mercury(II) in solution and in cells. <i>Analyst</i> , <b>2015</b> , 140, 2778-84	5	67

210	In vitro study on the individual and synergistic cytotoxicity of adriamycin and selenium nanoparticles against Bel7402 cells with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2268-72	11.8	67
209	A sensitive electrochemical sensor for bisphenol A on the basis of the AuPd incorporated carboxylic multi-walled carbon nanotubes. <i>Food Chemistry</i> , <b>2019</b> , 292, 253-259	8.5	63
208	Synergetic signal amplification based on electrochemical reduced graphene oxide-ferrocene derivative hybrid and gold nanoparticles as an ultra-sensitive detection platform for bisphenol A. <i>Analytica Chimica Acta</i> , <b>2015</b> , 853, 249-257	6.6	63
207	Highly sensitive and selective dopamine biosensor based on a phenylethynyl ferrocene/graphene nanocomposite modified electrode. <i>Analyst</i> , <b>2012</b> , 137, 4577-83	5	63
206	Synergistic Electrocatalytic Nitrogen Reduction Enabled by Confinement of Nanosized Au Particles onto a Two-Dimensional TiC Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25758-25765	9.5	62
205	Sensitive fluorescent detection of HO and glucose in human serum based on inner filter effect of squaric acid-iron(III) on the fluorescence of upconversion nanoparticle. <i>Talanta</i> , <b>2017</b> , 164, 580-587	6.2	61
204	A novel dual-impedance-analysis EQCM system--investigation of bovine serum albumin adsorption on gold and platinum electrode surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 262, 107-15	9.3	61
203	Graphitic carbon nitride nanodots: As reductant for the synthesis of silver nanoparticles and its biothiols biosensing application. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 411-416	11.8	57
202	Facile Preparation of MnO Quantum Dots with Enhanced Fluorescence via Microenvironment Engineering with the Assistance of Some Reductive Biomolecules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15919-15927	9.5	55
201	Sensitive detection of rutin with novel ferrocene benzyne derivative modified electrodes. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 275-81	11.8	54
200	Catalytic and peroxidase-like activity of carbon based-AuPd bimetallic nanocomposite produced using carbon dots as the reductant. <i>Analytica Chimica Acta</i> , <b>2016</b> , 930, 23-30	6.6	54
199	Glutathione regulation-based dual-functional upconversion sensing-platform for acetylcholinesterase activity and cadmium ions. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 545-551	11.8	53
198	A dual-signal colorimetric and near-infrared fluorescence probe for the detection of exogenous and endogenous hydrogen peroxide in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 280, 120-128	8.5	50
197	An upconversion fluorescence resonance energy transfer nanosensor for one step detection of melamine in raw milk. <i>Talanta</i> , <b>2015</b> , 136, 47-53	6.2	49
196	A novel label-free fluorescent sensor for the detection of potassium ion based on DNAzyme. <i>Talanta</i> , <b>2012</b> , 89, 57-62	6.2	48
195	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. <i>Nanoscale</i> , <b>2014</b> , 6, 11196-203	7.7	47
194	Gold nanoparticle coupled with fluorophore for ultrasensitive detection of protamine and heparin. <i>Talanta</i> , <b>2013</b> , 116, 951-7	6.2	46
193	Characterization of and biomolecule immobilization on the biocompatible multi-walled carbon nanotubes generated by functionalization with polyamidoamine dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 80, 18-25	6	46

192	Immobilization of enzymes through one-pot chemical preoxidation and electropolymerization of dithiols in enzyme-containing aqueous suspensions to develop biosensors with improved performance. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5829-38	7.8	45
191	Large scale preparation of graphene quantum dots from graphite oxide in pure water via one-step electrochemical tailoring. <i>RSC Advances</i> , <b>2015</b> , 5, 29704-29707	3.7	44
190	TiC/CuO heterostructure based signal-off photoelectrochemical sensor for high sensitivity detection of glucose. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111535	11.8	44
189	A near-infrared and colorimetric fluorescent probe for palladium detection and bioimaging. <i>Dyes and Pigments</i> , <b>2017</b> , 137, 293-298	4.6	44
188	A Mesoporous Rod-like g-C <sub>3</sub> N <sub>5</sub> Synthesized by Salt-Guided Strategy: As a Superior Photocatalyst for Degradation of Organic Pollutant. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 625-631	8.3	44
187	Turn on-off fluorescent sensor for protamine and heparin based on label-free silicon quantum dots coupled with gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 131-138	8.5	43
186	Electrochemically prepared oxygen and sulfur co-doped graphitic carbon nitride quantum dots for fluorescence determination of copper and silver ions and biothiols. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1027, 121-129	6.6	41
185	Enzymatic-induced upconversion photoinduced electron transfer for sensing tyrosine in human serum. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 957-62	11.8	41
184	An reagentless glucose biosensor based on direct electrochemistry of glucose oxidase immobilized on poly(methylene blue) doped silica nanocomposites. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 165, 126-132	8.5	41
183	Simultaneous electrochemical determination of dihydroxybenzene isomers based on the hydrophilic carbon nanoparticles and ferrocene-derivative mediator dual sensitized graphene composite. <i>Electrochimica Acta</i> , <b>2013</b> , 92, 216-225	6.7	40
182	A novel method for the detection of point mutation in DNA using single-base-coded CdS nanoprobles. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2339-45	11.8	40
181	Combined quartz crystal impedance and electrochemical impedance measurements during adsorption of bovine serum albumin onto bare and cysteine- or thiophenol-modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>1999</b> , 478, 1-8	4.1	40
180	2D titanium carbide MXenes as emerging optical biosensing platforms. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 171, 112730	11.8	40
179	Biomass-derived oxygen-doped hollow carbon microtubes for electrocatalytic N-to-NH fixation under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 2684-2687	5.8	39
178	Upconversion nanosensor for sensitive fluorescence detection of Sudan I-IV based on inner filter effect. <i>Talanta</i> , <b>2016</b> , 148, 129-34	6.2	38
177	A new method for characterizing the growth and properties of polyaniline and poly(aniline-co-o-aminophenol) films with the combination of EQCM and in situ FTIR spectroelectrochemistry. <i>Electrochimica Acta</i> , <b>2006</b> , 52, 342-352	6.7	38
176	Colorimetric determination of ascorbic acid and the activity of alkaline phosphatase based on the inhibition of the peroxidase-like activity of citric acid-capped Prussian Blue nanocubes. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 123	5.8	37
175	An electrochemical quartz crystal impedance study on cystine precipitation onto an Au electrode surface during cysteine oxidation in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , <b>2000</b> , 484, 41-54	4.1	37

174	A novel colorimetric and fluorescent probe for simultaneous detection of SO/HSO and HSO by different emission channels and its bioimaging in living cells. <i>Talanta</i> , <b>2018</b> , 176, 1-7	6.2	37
173	Bifunctional colorimetric biosensors via regulation of the dual nanoenzyme activity of carbonized FeCo-ZIF. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 290, 357-363	8.5	36
172	A dual (colorimetric and fluorometric) detection scheme for glutathione and silver (I) based on the oxidase mimicking activity of MnO nanosheets. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 498	5.8	36
171	A ratiometric nanosensor based on conjugated polyelectrolyte-stabilized AgNPs for ultrasensitive fluorescent and colorimetric sensing of melamine. <i>Talanta</i> , <b>2016</b> , 151, 68-74	6.2	35
170	Study of protein adsorption on polymer coatings surface by combining quartz crystal microbalance with electrochemical impedance methods. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 108, 933-942	8.5	35
169	Group IV nanodots: Newly emerging properties and application in biomarkers sensing. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 131, 116007	14.6	35
168	Development of a thickness shear mode acoustic sensor based on an electrosynthesized molecularly imprinted polymer using an underivatized amino acid as the template. <i>Analyst, The</i> , <b>2001</b> , 126, 189-94	5	34
167	Colorimetric detection of ascorbic acid and alkaline phosphatase activity based on the novel oxidase mimetic of Fe-Co bimetallic alloy encapsulated porous carbon nanocages. <i>Talanta</i> , <b>2019</b> , 202, 354-361	6.2	33
166	Estimation of pKa values for carboxylic acids, alcohols, phenols and amines using changes in the relative Gibbs free energy. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 313, 148-155	2.5	33
165	Polyamidoamine dendrimer-functionalized carbon nanotubes-mediated GFP gene transfection for HeLa cells: effects of different types of carbon nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 99, 231-9	5.4	33
164	Adsorption of bovine serum albumin and fibrinogen on hydrophilicity-controllable surfaces of polypyrrole doped with dodecyl benzene sulfonate: A combined piezoelectric quartz crystal impedance and electrochemical impedance study. <i>Polymer</i> , <b>2006</b> , 47, 3372-3381	3.9	33
163	A cyclic signal amplification strategy to fluorescence and colorimetric dual-readout assay for the detection of H <sub>2</sub> O <sub>2</sub> -related analytes and application to colorimetric logic gate. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 260, 908-917	8.5	32
162	Apo ferritin protein nanoparticles dually labeled with aptamer and horseradish peroxidase as a sensing probe for thrombin detection. <i>Analytica Chimica Acta</i> , <b>2013</b> , 759, 53-60	6.6	32
161	A novel multiple signal amplifying immunosensor based on the strategy of in situ-produced electroactive substance by ALP and carbon-based Ag-Au bimetallic as the catalyst and signal enhancer. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 457-464	11.8	32
160	Label-free silicon quantum dots as fluorescent probe for selective and sensitive detection of copper ions. <i>Talanta</i> , <b>2014</b> , 125, 372-7	6.2	32
159	Sensitive detection of hydrogen peroxide and nitrite based on silver/carbon nanocomposite synthesized by carbon dots as reductant via one step method. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 36-43	6.7	31
158	Study of fibrinogen adsorption on hydroxyapatite and TiO <sub>2</sub> surfaces by electrochemical piezoelectric quartz crystal impedance and FTIR-ATR spectroscopy. <i>Analytica Chimica Acta</i> , <b>2007</b> , 597, 58-66	6.6	31
157	Titanium carbide MXenes combined with red-emitting carbon dots as a unique turn-on fluorescent nanosensor for label-free determination of glucose. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 7729-7735	7.3	31

156	BSA capped bi-functional fluorescent Cu nanoclusters as pH sensor and selective detection of dopamine. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1446-1456	3.6	30
155	Silver ions enhanced AuNCs fluorescence as a turn-off nanoprobe for ultrasensitive detection of iodide. <i>Talanta</i> , <b>2018</b> , 180, 144-149	6.2	30
154	Fluorescence resonance energy transfer aptasensor for platelet-derived growth factor detection based on upconversion nanoparticles in 30% blood serum. <i>Analytical Methods</i> , <b>2013</b> , 5, 699-704	3.2	30
153	Dynamic measurement of the surface stress induced by the attachment and growth of cells on Au electrode with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1603-9	11.8	30
152	A novel label-free upconversion fluorescence resonance energy transfer-nanosensor for ultrasensitive detection of protamine and heparin. <i>Analytical Biochemistry</i> , <b>2015</b> , 477, 28-34	3.1	29
151	A simple fluorescent probe for the fast sequential detection of copper and biothiols based on a benzothiazole derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 191, 427-434	4.4	29
150	A comparative study on the viscoelasticity and morphology of polyaniline films galvanostatically grown on bare and 4-aminothiophenol-modified gold electrodes using an electrochemical quartz crystal impedance system and SEM. <i>Analytical Sciences</i> , <b>2001</b> , 17, 613-20	1.7	29
149	Photoinduced Charge Separation via the Double-Electron Transfer Mechanism in Nitrogen Vacancies g-CN/BiOBr for the Photoelectrochemical Nitrogen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38266-38274	9.5	29
148	An ESIPT-based fluorescent probe for the detection of phosgene in the solution and gas phases. <i>Talanta</i> , <b>2019</b> , 200, 78-83	6.2	29
147	Self-Catalyzed Surface Reaction-Induced Fluorescence Resonance Energy Transfer on Cysteine-Stabilized MnO Quantum Dots for Selective Detection of Dopamine. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3586-3593	7.8	29
146	Colorimetric detection of hydrogen peroxide and lactate based on the etching of the carbon based Au-Ag bimetallic nanocomposite synthesized by carbon dots as the reductant and stabilizer. <i>Analytica Chimica Acta</i> , <b>2016</b> , 947, 23-31	6.6	28
145	A dual-emission and mitochondria-targeted fluorescent probe for rapid detection of SO derivatives and its imaging in living cells. <i>Talanta</i> , <b>2019</b> , 191, 428-434	6.2	28
144	Fluorescence quenching of bovine serum albumin. <i>Analytical Sciences</i> , <b>2004</b> , 20, 441-4	1.7	28
143	Group IV nanodots: synthesis, surface engineering and application in bioimaging and biotherapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10290-10308	7.3	28
142	A simultaneous electrochemical impedance and quartz crystal microbalance study on antihuman immunoglobulin G adsorption and human immunoglobulin G reaction. <i>Journal of Proteomics</i> , <b>2005</b> , 62, 191-205		27
141	DNA Triplex and Quadruplex Assembled Nanosensors for Correlating K and pH in Lysosomes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5453-5458	16.4	27
140	Ambient electrocatalytic N <sub>2</sub> reduction to NH <sub>3</sub> by metal fluorides. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17761-17765	13	26
139	A label-free fluorescent molecular switch for Cu <sup>2+</sup> based on metal ion-triggered DNA-cleaving DNAzyme and DNA intercalator. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1252	3.6	26

138	In situ monitoring of gold-surface adsorption and acidic denaturation of human serum albumin by an isolation-capacitance-adopted electrochemical quartz crystal impedance system. <i>Analytica Chimica Acta</i> , <b>2002</b> , 464, 65-77	6.6	26
137	Silver triangular nanoplates as an high efficiently FRET donor-acceptor of upconversion nanoparticles for ultrasensitive "Turn on-off" protamine and trypsin sensor. <i>Talanta</i> , <b>2017</b> , 174, 148-155	6.2	25
136	An electrochemical sensor for highly sensitive detection of copper ions based on a new molecular probe Pi-A decorated on graphene. <i>Analytical Methods</i> , <b>2017</b> , 9, 618-624	3.2	25
135	A simple and reversible fluorescent probe based on NBD for rapid detection of hypochlorite and its application for bioimaging. <i>RSC Advances</i> , <b>2015</b> , 5, 79519-79524	3.7	25
134	A "turn-on" fluorescent sensor for ultrasensitive detection of melamine based on a new fluorescence probe and AuNPs. <i>Analyst, The</i> , <b>2015</b> , 140, 1155-60	5	25
133	Enhanced electrochemical sensitivity towards acetaminophen determination using electroactive self-assembled ferrocene derivative polymer nanospheres with multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , <b>2018</b> , 272, 212-220	6.7	25
132	One-pot electrochemical synthesis of carbon dots/TiO <sub>2</sub> nanocomposites with excellent visible light photocatalytic activity. <i>Materials Letters</i> , <b>2016</b> , 173, 13-17	3.3	25
131	(4-Ferrocenylethyne) Phenylamine Functionalized Graphene Oxide Modified Electrode for Sensitive Nitrite Sensing. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 504-511	6.7	25
130	Universal Multifunctional Nanoplatform Based on Target-Induced in Situ Promoting Au Seeds Growth to Quench Fluorescence of Upconversion Nanoparticles. <i>ACS Sensors</i> , <b>2017</b> , 2, 1805-1813	9.2	24
129	Poly(methylene blue) doped silica nanocomposites with crosslinked cage structure: Electropolymerization, characterization and catalytic activity for reduction of dissolved oxygen. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 10055-10063	6.7	24
128	A fluorescent sensor for fast detection of peroxyxynitrite by removing of C=N in a benzothiazole derivative. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1014, 71-76	6.6	23
127	A new turn-on fluorescent sensor based on NBD for highly selective detection of Hg <sup>2+</sup> in aqueous media and imaging in live cells. <i>Analytical Methods</i> , <b>2014</b> , 6, 4797	3.2	23
126	Electrochemical copolymerization study of o-toluidine and o-aminophenol by the simultaneous EQCM and in situ FTIR spectroelectrochemistry. <i>Talanta</i> , <b>2010</b> , 81, 664-72	6.2	23
125	EQCM and in situ FTIR spectroelectrochemistry study on the electrochemical oxidation of TMB and the effect of large-sized anions. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 622, 184-192	4.1	23
124	A tetraphenylimidazole-based fluorescent probe for the detection of hydrogen sulfide and its application in living cells. <i>Analytica Chimica Acta</i> , <b>2015</b> , 879, 85-90	6.6	22
123	Self-assembled oligo(phenylene ethynylene)s/graphene nanocomposite with improved electrochemical performances for dopamine determination. <i>Analytica Chimica Acta</i> , <b>2013</b> , 767, 59-65	6.6	22
122	Apoferitin nanoparticle: a novel and biocompatible carrier for enzyme immobilization with enhanced activity and stability. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17468		22
121	A dual-response near-infrared fluorescent probe for rapid detecting thiophenol and its application in water samples and bio-imaging. <i>Talanta</i> , <b>2019</b> , 199, 355-360	6.2	21

120	Highly sensitive and selective determination of copper(II) based on a dual catalytic effect and by using silicon nanoparticles as a fluorescent probe. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 188	5.8	21
119	A novel colorimetric/fluorescence dual-channel sensor based on NBD for the rapid and highly sensitive detection of cysteine and homocysteine in living cells. <i>Analytical Methods</i> , <b>2016</b> , 8, 2420-2426	3.2	21
118	In situ growth of TiO nanowires on TiC MXenes nanosheets as highly sensitive luminol electrochemiluminescent nanoplatform for glucose detection in fruits, sweat and serum samples. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113600	11.8	21
117	A dual-signal readout sensor for highly sensitive detection of iodide ions in urine based on catalase-like reaction of iodide ions and N-doped C-dots. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 250, 429-435	8.5	20
116	A novel fluorescent probe for selective imaging of cellular cysteine with large Stokes shift and high quantum yield. <i>Talanta</i> , <b>2020</b> , 210, 120612	6.2	20
115	Direct Quantification and Visualization of Homocysteine, Cysteine, and Glutathione in Alzheimer's and Parkinson's Disease Model Tissues. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9878-9886	7.8	20
114	Synergistic electrocatalytic N <sub>2</sub> reduction using a PTCA nanorod/GO hybrid. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12446-12450	13	19
113	A dual-signal colorimetric and ratiometric fluorescent nanoprobe for enzymatic determination of uric acid by using silicon nanoparticles. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 754	5.8	19
112	Salt-assisted rapid transformation of NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> nanocrystals from cubic to hexagonal. <i>CrystEngComm</i> , <b>2014</b> , 16, 8348-8355	3.3	19
111	A Novel Fluorescent Biosensor for Detection of Silver Ions Based on Upconversion Nanoparticles. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 205-211	2.4	19
110	Dual amplification strategy of highly sensitive thrombin amperometric aptasensor based on chitosan-Au nanocomposites. <i>Analyst, The</i> , <b>2012</b> , 137, 3488-95	5	19
109	Three-dimensional network polyamidoamine dendrimer-Au nanocomposite for the construction of a mediator-free horseradish peroxidase biosensor. <i>Analyst, The</i> , <b>2011</b> , 136, 4500-6	5	19
108	A turn-on red-emitting fluorescent probe for determination of copper(II) ions in food samples and living zebrafish. <i>Food Chemistry</i> , <b>2021</b> , 343, 128513	8.5	19
107	A specific AIE and ESIPT fluorescent probe for peroxy nitrite detection and imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 222, 117230	4.4	18
106	Conjugated polyelectrolyte-stabilized silver nanoparticles coupled with pyrene derivative for ultrasensitive fluorescent detection of iodide. <i>Talanta</i> , <b>2015</b> , 131, 678-83	6.2	18
105	A highly sensitive naked-eye fluorescent probe for trace hydrazine based on 'C-CN' bond cleavage. <i>Analyst, The</i> , <b>2018</b> , 143, 4354-4358	5	18
104	A novel biomimetic nanoenzyme based on ferrocene derivative polymer NPs coated with polydopamine. <i>Talanta</i> , <b>2019</b> , 195, 265-271	6.2	18
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96	Electrocatalysis of N to NH by HKUST-1 with High NH Yield. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1272-1276	4.3	16
95	A new water-soluble and colorimetric fluorescent probe for highly sensitive detection of organophosphorus pesticides. <i>RSC Advances</i> , <b>2016</b> , 6, 88096-88103	3.7	16
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92	A naked-eye colorimetric and ratiometric fluorescence probe for trace hydrazine. <i>Analytical Methods</i> , <b>2019</b> , 11, 2591-2596	3.2	15
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