

Youyu Zhang

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.

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	A pyrene-pyridyl nanooligomer as a methoxy-triggered reactive probe for highly specific fluorescence assaying of hypochlorite.. <i>Chemical Communications</i> , 2022 ,	5.8	1
244	Multichannel sensor array of carbon dots-metal ion pairs for accurate biological thiols analysis and cancer cell discrimination. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131119	8.5	2
243	A fluorescence nanoplatfom for the determination of hydrogen peroxide and adenosine triphosphate via tuning of the peroxidase-like activity of CuO nanoparticle decorated UiO-66.. <i>Mikrochimica Acta</i> , 2022 , 189, 119	5.8	0
242	Green Synthesis of Silver-Carbon Nanocomposites with Extraordinary Stability and Robust Antibacterial Activity against Bacterial Diseases in Fish.. <i>ACS Applied Bio Materials</i> , 2022 ,	4.1	1
241	Direct optical patterning of perovskite nanocrystals with ligand cross-linkers.. <i>Science Advances</i> , 2022 , 8, eabm8433	14.3	10
240	Construction of a unique fluorescent probe for rapid and highly sensitive detection of glutathione in living cells and zebrafish.. <i>Talanta</i> , 2022 , 243, 123364	6.2	1
239	Simultaneous visualization and quantification of copper (II) ions in Alzheimer's disease by a near-infrared fluorescence probe. <i>Biosensors and Bioelectronics</i> , 2021 , 198, 113858	11.8	2
238	Communication Partial Oxidation of MnS for Synergistic Electrocatalysis of N2-to-NH3 Fixation at Ambient Conditions. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 116518	3.9	
237	An N-nitrosation reaction-based fluorescent probe for detecting nitric oxide in living cells and inflammatory zebrafish.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 270, 120728	4.4	1
236	Au/Metal Organic Framework Nanocapsules for Electrochemical Determination of Glutathione. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4853-4862	5.6	14
235	Near-infrared light excited UCNP-DNAzyme nanosensor for selective detection of Pb and in vivo imaging. <i>Talanta</i> , 2021 , 227, 122156	6.2	6
234	Enzyme-free Electrochemical Detection of Hydrogen Peroxide Based on the Three-Dimensional Flower-like Cu-based Metal Organic Frameworks and MXene Nanosheets <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2181-2187	4.9	14
233	Universal Nanoplatfom for Formaldehyde Detection Based on the Oxidase-Mimicking Activity of MnO Nanosheets and the In Situ Catalysis-Produced Fluorescence Species. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 7303-7312	5.7	12
232	2D titanium carbide MXenes as emerging optical biosensing platforms. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112730	11.8	40
231	DNA Triplex and Quadruplex Assembled Nanosensors for Correlating K+ and pH in Lysosomes. <i>Angewandte Chemie</i> , 2021 , 133, 5513-5518	3.6	4
230	A turn-on near-infrared fluorescent probe for visualization of endogenous alkaline phosphatase activity in living cells and zebrafish. <i>Analyst, The</i> , 2021 , 146, 521-528	5	4
229	DNA Triplex and Quadruplex Assembled Nanosensors for Correlating K and pH in Lysosomes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5453-5458	16.4	27

228	A turn-on red-emitting fluorescent probe for determination of copper(II) ions in food samples and living zebrafish. <i>Food Chemistry</i> , 2021 , 343, 128513	8.5	19
227	Limitation-induced fluorescence enhancement of carbon nanoparticles and their application for glucose detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 244, 118893	4.4	5
226	Self-Catalyzed Surface Reaction-Induced Fluorescence Resonance Energy Transfer on Cysteine-Stabilized MnO Quantum Dots for Selective Detection of Dopamine. <i>Analytical Chemistry</i> , 2021 , 93, 3586-3593	7.8	29
225	Direct Quantification and Visualization of Homocysteine, Cysteine, and Glutathione in Alzheimer's and Parkinson's Disease Model Tissues. <i>Analytical Chemistry</i> , 2021 , 93, 9878-9886	7.8	20
224	Polyoxometalate Nanostructures Decorated with CuO Nanoparticles for Sensing Ascorbic Acid and Fe ²⁺ Ions. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8302-8313	5.6	12
223	Exploitation of a turn-on photoelectrochemical sensing platform based on Au/BiOI for determination of copper(II) ions in food samples. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115536	4.1	2
222	Sensitive and selective detection of chromium (VI) based on two-dimensional luminescence metal organic framework nanosheets via the mechanism integrating chemical oxidation-reduction and inner filter effect. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126443	12.8	11
221	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> , 2021 , 194, 113600	11.8	21
220	Ultrafine fluorene-pyridine oligoelectrolyte nanoparticles for supersensitive fluorescence sensing of heparin and protamine. <i>Chemical Communications</i> , 2021 , 57, 8304-8307	5.8	2
219	Visualization of endogenous β -galactosidase activity in living cells and zebrafish with a turn-on near-infrared fluorescent probe. <i>Talanta</i> , 2020 , 217, 121098	6.2	14
218	Fluorometric and Colorimetric Dual-Readout Assay for Histone Demethylase Activity Based on Formaldehyde Inhibition of Ag-Triggered Oxidation of β -Phenylenediamine. <i>Analytical Chemistry</i> , 2020 , 92, 9421-9428	7.8	11
217	A novel fluorescent probe with dual-sites for simultaneously monitoring metabolisms of cysteine in living cells and zebrafishes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 241, 118602	4.4	12
216	Novel pyrene-pyridine oligomer nanorods for super-sensitive fluorescent detection of Pd. <i>Analyst</i> , 2020 , 145, 5631-5637	5	5
215	Facile Preparation of MnO Quantum Dots with Enhanced Fluorescence via Microenvironment Engineering with the Assistance of Some Reductive Biomolecules. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15919-15927	9.5	55
214	A near-infrared fluorescent probe for monitoring and imaging of β -galactosidase in living cells. <i>Talanta</i> , 2020 , 219, 121307	6.2	11
213	Electrocatalysis of N to NH by HKUST-1 with High NH Yield. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1272-1276	12.7	16
212	Biomarkers of Triple-Negative Breast Cancer 2020 , 107-131		
211	Employing an ICT-ESIPT strategy for ratiometric tracking of HClO based on sulfide oxidation reaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 239, 118515	4.4	3

210	A ratiometric fluorescent probe for visualization of thiophenol and its applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 230, 118061	4.4	6
209	Upconversion nanoparticles with bright red luminescence for highly sensitive quantifying alkaline phosphatase activity based on target-triggered fusing reaction. <i>Analytica Chimica Acta</i> , 2020 , 1095, 146-153	6.6	13
208	A novel fluorescent probe for selective imaging of cellular cysteine with large Stokes shift and high quantum yield. <i>Talanta</i> , 2020 , 210, 120612	6.2	20
207	A novel pyridinium-based fluorescent probe for ratiometric detection of peroxynitrite in mitochondria. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117762	4.4	10
206	Group IV nanodots: synthesis, surface engineering and application in bioimaging and biotherapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10290-10308	7.3	28
205	Insight into the Effect of Ligands on the Optical Properties of Germanium Quantum Dots and Their Applications in Persistent Cell Imaging. <i>Langmuir</i> , 2020 , 36, 12375-12382	4	3
204	Photoinduced Charge Separation via the Double-Electron Transfer Mechanism in Nitrogen Vacancies g-CN/BiOBr for the Photoelectrochemical Nitrogen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38266-38274	9.5	29
203	Hydrogen peroxide sensing in body fluids and tumor cells via in situ produced redox couples on two-dimensional holey CuCoO nanosheets. <i>Mikrochimica Acta</i> , 2020 , 187, 469	5.8	15
202	Group IV nanodots: Newly emerging properties and application in biomarkers sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 131, 116007	14.6	35
201	An L-cysteine-mediated iodide-catalyzed reaction for the detection of I ⁻ . <i>New Journal of Chemistry</i> , 2019 , 43, 1398-1403	3.6	1
200	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> , 2019 , 186, 123	5.8	37
199	Biomass-derived oxygen-doped hollow carbon microtubes for electrocatalytic N-to-NH fixation under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 2684-2687	5.8	39
198	A fluorescent probe for the specific detection of cysteine in human serum samples. <i>Analytical Methods</i> , 2019 , 11, 3280-3285	3.2	17
197	A specific AIE and ESIPT fluorescent probe for peroxynitrite detection and imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 222, 117230	4.4	18
196	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> , 2019 , 202, 354-361	6.2	33
195	A sensitive electrochemical sensor for bisphenol A on the basis of the AuPd incorporated carboxylic multi-walled carbon nanotubes. <i>Food Chemistry</i> , 2019 , 292, 253-259	8.5	63
194	Synergistic electrocatalytic N ₂ reduction using a PTCA nanorod/GO hybrid. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12446-12450	13	19
193	A novel fluorescent nanosensor based on small-sized conjugated polyelectrolyte dots for ultrasensitive detection of phytic acid. <i>Talanta</i> , 2019 , 202, 214-220	6.2	7

192	A Naked-eye Colorimetric and Ratiometric Fluorescence Probe for Trace Hydrazine. <i>Analytical Methods</i> , 2019 , 11, 2591-2596	3.2	15
191	Template Protection of Gold Nanoclusters for the Detection of Organophosphorus Pesticides. <i>New Journal of Chemistry</i> , 2019 , 43, 5423-5428	3.6	10
190	Bifunctional Colorimetric Biosensors via Regulation of the Dual Nanoenzyme Activity of Carbonized FeCo-ZIF. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 357-363	8.5	36
189	A Dual-Response Near-Infrared Fluorescent Probe for Rapid Detecting Thiophenol and its Application in Water Samples and Bio-Imaging. <i>Talanta</i> , 2019 , 199, 355-360	6.2	21
188	Simultaneous Visualization of Endogenous Homocysteine, Cysteine, Glutathione, and their Transformation through Different Fluorescence Channels. <i>Angewandte Chemie</i> , 2019 , 131, 4605-4609	3.6	14
187	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. <i>Small</i> , 2019 , 15, e1805103	11	153
186	Simultaneous Visualization of Endogenous Homocysteine, Cysteine, Glutathione, and their Transformation through Different Fluorescence Channels. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4557-4561	16.4	96
185	A Dual-Emission and Mitochondria-Targeted Fluorescent Probe for Rapid Detection of SO Derivatives and its Imaging in Living Cells. <i>Talanta</i> , 2019 , 191, 428-434	6.2	28
184	Aggregation-Induced Emission Fluorescent Probe for Monitoring Endogenous Alkaline Phosphatase in Living Cells. <i>Talanta</i> , 2019 , 205, 120143	6.2	14
183	TiC/CuO Heterostructure Based Signal-Off Photoelectrochemical Sensor for High Sensitivity Detection of Glucose. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111535	11.8	44
182	Synergistic Electrocatalytic Nitrogen Reduction Enabled by Confinement of Nanosized Au Particles onto a Two-Dimensional TiC Substrate. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25758-25765	9.5	62
181	Ambient Electrocatalytic N ₂ Reduction to NH ₃ by Metal Fluorides. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17761-17765	13	26
180	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> , 2019 , 186, 498	5.8	36
179	A Dual-Signal Colorimetric and Ratiometric Fluorescent Nanoprobe for Enzymatic Determination of Uric Acid by Using Silicon Nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 754	5.8	19
178	An ESIPT-based Fluorescent Probe for the Detection of Phosgene in the Solution and Gas Phases. <i>Talanta</i> , 2019 , 200, 78-83	6.2	29
177	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> , 2019 , 7, 7729-7735	7.3	31
176	A Mesoporous Rod-like g-C ₃ N ₅ Synthesized by Salt-Guided Strategy: As a Superior Photocatalyst for Degradation of Organic Pollutant. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 625-631	8.3	44
175	Molecular Structure Regulation and Enzyme Cascade Signal Amplification Strategy for Upconversion Ratiometric Luminescent and Colorimetric Alkaline Phosphatase Detection. <i>Analytica Chimica Acta</i> , 2019 , 1051, 160-168	6.6	16

174	Germanium nanoparticles: Intrinsic peroxidase-like catalytic activity and its biosensing application. <i>Talanta</i> , 2019 , 195, 407-413	6.2	9
173	A novel biomimetic nanoenzyme based on ferrocene derivative polymer NPs coated with polydopamine. <i>Talanta</i> , 2019 , 195, 265-271	6.2	18
172	A turn-on fluorescent probe for vitamin C based on the use of a silicon/CoOOH nanoparticle system. <i>Mikrochimica Acta</i> , 2019 , 186, 72	5.8	11
171	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> , 2019 , 280, 120-128	8.5	50
170	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> , 2018 , 185, 188	5.8	21
169	A versatile matrix of an ionic liquid functionalized with aldehyde and ferrocene groups for label-free electrochemical immunosensors. <i>Analytical Methods</i> , 2018 , 10, 1612-1617	3.2	6
168	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> , 2018 , 1027, 121-129	6.6	41
167	Enhanced electrochemical sensitivity towards acetaminophen determination using electroactive self-assembled ferrocene derivative polymer nanospheres with multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2018 , 272, 212-220	6.7	25
166	A fluorescent sensor for fast detection of peroxyxynitrite by removing of C=N in a benzothiazole derivative. <i>Analytica Chimica Acta</i> , 2018 , 1014, 71-76	6.6	23
165	Synergistic electron transfer effect-based signal amplification strategy for the ultrasensitive detection of dopamine. <i>Talanta</i> , 2018 , 182, 428-432	6.2	10
164	BSA capped bi-functional fluorescent Cu nanoclusters as pH sensor and selective detection of dopamine. <i>New Journal of Chemistry</i> , 2018 , 42, 1446-1456	3.6	30
163	Silver ions enhanced AuNCs fluorescence as a turn-off nanoprobe for ultrasensitive detection of iodide. <i>Talanta</i> , 2018 , 180, 144-149	6.2	30
162	A cyclic signal amplification strategy to fluorescence and colorimetric dual-readout assay for the detection of H ₂ O ₂ -related analytes and application to colorimetric logic gate. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 908-917	8.5	32
161	A lysosome-targeting colorimetric and fluorescent dual signal probe for sensitive detection and bioimaging of hydrogen sulfide. <i>Analytical Methods</i> , 2018 , 10, 604-610	3.2	13
160	A simple assay platform for sensitive detection of Sudan I-IV in chilli powder based on CsPbBr ₃ quantum dots. <i>Journal of Food Science and Technology</i> , 2018 , 55, 2497-2503	3.3	3
159	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> , 2018 , 191, 427-434	4.4	29
158	Ultrasensitive Silicon Nanoparticle Ratiometric Fluorescence Determination of Mercury(II). <i>Analytical Letters</i> , 2018 , 51, 1013-1028	2.2	10
157	Voltammetric immunoassay for Fetoprotein by using a gold nanoparticle/dendrimer conjugate and a ferrocene derived ionic liquid. <i>Mikrochimica Acta</i> , 2018 , 185, 346	5.8	11

156	Synthesis of Fluorescent and Water-Dispersed Germanium Nanoparticles and Their Cellular Imaging Applications. <i>Langmuir</i> , 2018 , 34, 8932-8938	4	12
155	A lysosome targetable fluorescent probe for palladium species detection base on an ESIPT phthalimide derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 205, 66-71	4.4	8
154	A highly sensitive naked-eye fluorescent probe for trace hydrazine based on 'C-CN' bond cleavage. <i>Analyst, The</i> , 2018 , 143, 4354-4358	5	18
153	Etching and anti-etching strategy for sensitive colorimetric sensing of HO and biothiols based on silver/carbon nanomaterial. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 162, 118-125	6	14
152	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> , 2018 , 176, 1-7	6.2	37
151	Analyte-triggered cyclic autocatalytic oxidation amplification combined with an upconversion nanoparticle probe for fluorometric detection of copper(II). <i>Mikrochimica Acta</i> , 2018 , 185, 484	5.8	7
150	Universal TiC MXenes Based Self-Standard Ratiometric Fluorescence Resonance Energy Transfer Platform for Highly Sensitive Detection of Exosomes. <i>Analytical Chemistry</i> , 2018 , 90, 12737-12744	7.8	156
149	Label-Free Electrochemical Immunosensor Based on Ionic Liquid Containing Dialdehyde As a Novel Linking Agent for the Antibody Immobilization. <i>ACS Omega</i> , 2018 , 3, 11227-11232	3.9	3
148	Graphitic carbon nitride nanodots: As reductant for the synthesis of silver nanoparticles and its biothiols biosensing application. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 411-416	11.8	57
147	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> , 2017 , 91, 734-740	11.8	88
146	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> , 2017 , 231, 677-685	6.7	113
145	A novel long-wavelength fluorescent probe for discrimination of different palladium species based on Pd-catalyzed reactions. <i>RSC Advances</i> , 2017 , 7, 24822-24827	3.7	16
144	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> , 2017 , 250, 429-435	8.5	20
143	A Nanosensor Based on Carbon Dots for Recovered Fluorescence Detection Clenbuterol in Pork Samples. <i>Journal of Fluorescence</i> , 2017 , 27, 1847-1853	2.4	11
142	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> , 2017 , 174, 148-155	6.2	25
141	A bispyrene/AgNP-based ratiometric nanoprobe for supersensitive fluorescence and colorimetric sensing of etimicin. <i>Analytical Methods</i> , 2017 , 9, 3845-3851	3.2	3
140	A new simple phthalimide-based fluorescent probe for highly selective cysteine and bioimaging for living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 185, 371-375	4.4	13
139	A facile and simple method for synthesis of graphene oxide quantum dots from black carbon. <i>Green Chemistry</i> , 2017 , 19, 900-904	10	67

138	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> , 2017 , 9, 618-624	3.2	25
137	A label-free electrochemical immunosensor based on a new polymer containing aldehyde and ferrocene groups. <i>Talanta</i> , 2017 , 164, 483-489	6.2	14
136	A novel fluorescence turn-on probe for the selective detection of thiophenols by caged benzooxazolidinoindocyanine. <i>RSC Advances</i> , 2017 , 7, 46148-46154	3.7	7
135	Universal Multifunctional Nanoplatform Based on Target-Induced in Situ Promoting Au Seeds Growth to Quench Fluorescence of Upconversion Nanoparticles. <i>ACS Sensors</i> , 2017 , 2, 1805-1813	9.2	24
134	A novel label-free electrochemical immunosensor based on aldehyde-terminated ionic liquid. <i>Talanta</i> , 2017 , 175, 347-351	6.2	10
133	A Novel Fluorescent Biosensor for Detection of Silver Ions Based on Upconversion Nanoparticles. <i>Journal of Fluorescence</i> , 2017 , 27, 205-211	2.4	19
132	A near-infrared and colorimetric fluorescent probe for palladium detection and bioimaging. <i>Dyes and Pigments</i> , 2017 , 137, 293-298	4.6	44
131	Glutathione regulation-based dual-functional upconversion sensing-platform for acetylcholinesterase activity and cadmium ions. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 545-551	11.8	53
130	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> , 2017 , 164, 580-587	6.2	61
129	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> , 2017 , 238, 196-203	8.5	72
128	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> , 2017 , 92, 457-464	11.8	32
127	A new fluorescent probe for the selective detection of copper ions in living cells. <i>Analytical Methods</i> , 2017 , 9, 3956-3961	3.2	15
126	A new water-soluble and colorimetric fluorescent probe for highly sensitive detection of organophosphorus pesticides. <i>RSC Advances</i> , 2016 , 6, 88096-88103	3.7	16
125	The fabrication of a label-free electrochemical immunosensor using an aldehyde-functionalized pyridinium salt for antibody immobilization. <i>Analytical Methods</i> , 2016 , 8, 6782-6786	3.2	
124	9-Ethynylfluoroenyl Radicals: Regioselective Dimerization and Post Ring-Cyclization Reactions. <i>Organic Letters</i> , 2016 , 18, 6018-6021	6.2	17
123	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> , 2016 , 947, 23-31	6.6	28
122	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> , 2016 , 211, 36-43	6.7	31
121	Rapid and highly-sensitive uric acid sensing based on enzymatic catalysis-induced upconversion inner filter effect. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 109-114	11.8	80

120	A ratiometric nanosensor based on conjugated polyelectrolyte-stabilized AgNPs for ultrasensitive fluorescent and colorimetric sensing of melamine. <i>Talanta</i> , 2016 , 151, 68-74	6.2	35
119	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> , 2016 , 77, 1078-85	11.8	77
118	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> , 2016 , 8, 2420-2426	3.2	21
117	One-pot electrochemical synthesis of carbon dots/TiO ₂ nanocomposites with excellent visible light photocatalytic activity. <i>Materials Letters</i> , 2016 , 173, 13-17	3.3	25
116	Upconversion nanosensor for sensitive fluorescence detection of Sudan I-IV based on inner filter effect. <i>Talanta</i> , 2016 , 148, 129-34	6.2	38
115	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> , 2016 , 903, 69-80	6.6	105
114	Enzymatic-induced upconversion photoinduced electron transfer for sensing tyrosine in human serum. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 957-62	11.8	41
113	High fluorescence S, N co-doped carbon dots as an ultra-sensitive fluorescent probe for the determination of uric acid. <i>Talanta</i> , 2016 , 155, 62-9	6.2	92
112	Catalytic and peroxidase-like activity of carbon based-AuPd bimetallic nanocomposite produced using carbon dots as the reductant. <i>Analytica Chimica Acta</i> , 2016 , 930, 23-30	6.6	54
111	Upconversion ratiometric fluorescence and colorimetric dual-readout assay for uric acid. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 664-670	11.8	79
110	An upconversion fluorescence resonance energy transfer nanosensor for one step detection of melamine in raw milk. <i>Talanta</i> , 2015 , 136, 47-53	6.2	49
109	Nanosensor composed of nitrogen-doped carbon dots and gold nanoparticles for highly selective detection of cysteine with multiple signals. <i>Analytical Chemistry</i> , 2015 , 87, 2195-203	7.8	172
108	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> , 2015 , 213, 131-138	8.5	43
107	A novel label-free upconversion fluorescence resonance energy transfer-nanosensor for ultrasensitive detection of protamine and heparin. <i>Analytical Biochemistry</i> , 2015 , 477, 28-34	3.1	29
106	Multifunctional Electrochemical Platforms Based on the Michael Addition/Schiff Base Reaction of Polydopamine Modified Reduced Graphene Oxide: Construction and Application. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17935-46	9.5	123
105	A simple and new fluorescent and colorimetric probe based on NBDmaleimide for detecting thiols in living cells. <i>Analytical Methods</i> , 2015 , 7, 6419-6425	3.2	10
104	A new fluorescence and colorimetric sensor for highly selective and sensitive detection of glucose in 100% water. <i>RSC Advances</i> , 2015 , 5, 63226-63232	3.7	4
103	One-step electrochemical synthesis of ultrathin graphitic carbon nitride nanosheets and their application to the detection of uric acid. <i>Chemical Communications</i> , 2015 , 51, 12251-3	5.8	94

102	A tetraphenylimidazole-based fluorescent probe for the detection of hydrogen sulfide and its application in living cells. <i>Analytica Chimica Acta</i> , 2015 , 879, 85-90	6.6	22
101	A simple and sensitive electrochemical immunosensor based on thiol aromatic aldehyde as a substrate for the antibody immobilization. <i>Talanta</i> , 2015 , 141, 288-92	6.2	15
100	Hydroxyl-rich C-dots synthesized by a one-pot method and their application in the preparation of noble metal nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 7164-7	5.8	73
99	Large scale preparation of graphene quantum dots from graphite oxide in pure water via one-step electrochemical tailoring. <i>RSC Advances</i> , 2015 , 5, 29704-29707	3.7	44
98	Detection of thiocyanate through limiting growth of AuNPs with C-dots acting as reductant. <i>Analyst, The</i> , 2015 , 140, 7645-9	5	14
97	A simple and reversible fluorescent probe based on NBD for rapid detection of hypochlorite and its application for bioimaging. <i>RSC Advances</i> , 2015 , 5, 79519-79524	3.7	25
96	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> , 2015 , 853, 249-257	6.6	63
95	A "turn-on" fluorescent sensor for ultrasensitive detection of melamine based on a new fluorescence probe and AuNPs. <i>Analyst, The</i> , 2015 , 140, 1155-60	5	25
94	Conjugated polyelectrolyte-stabilized silver nanoparticles coupled with pyrene derivative for ultrasensitive fluorescent detection of iodide. <i>Talanta</i> , 2015 , 131, 678-83	6.2	18
93	Ionic liquid-assisted formation of lanthanide metal-organic framework nano/microrods for superefficient removal of Congo red. <i>Chemical Research in Chinese Universities</i> , 2015 , 31, 899-903	2.2	12
92	Upconversion nanoparticle-based fluorescence resonance energy transfer assay for organophosphorus pesticides. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 168-174	11.8	168
91	An ESIPT-based fluorescent probe for highly selective and ratiometric detection of mercury(II) in solution and in cells. <i>Analyst, The</i> , 2015 , 140, 2778-84	5	67
90	One-pot electrochemical synthesis of functionalized fluorescent carbon dots and their selective sensing for mercury ion. <i>Analytica Chimica Acta</i> , 2015 , 866, 69-74	6.6	173
89	(4-Ferrocenylethyne) Phenylamine Functionalized Graphene Oxide Modified Electrode for Sensitive Nitrite Sensing. <i>Electrochimica Acta</i> , 2014 , 116, 504-511	6.7	25
88	Polyamidoamine dendrimer and oleic acid-functionalized graphene as biocompatible and efficient gene delivery vectors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8173-83	9.5	89
87	Sensitive detection of acetylcholine based on a novel boronate intramolecular charge transfer fluorescence probe. <i>Analytical Biochemistry</i> , 2014 , 465, 172-8	3.1	8
86	Salt-assisted rapid transformation of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanocrystals from cubic to hexagonal. <i>CrystEngComm</i> , 2014 , 16, 8348-8355	3.3	19
85	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. <i>Nanoscale</i> , 2014 , 6, 11196-203	7.7	47

84	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> , 2014 , 86, 4278-86	7.8	144
83	Electrochemical synthesis of carbon nanodots directly from alcohols. <i>Chemistry - A European Journal</i> , 2014 , 20, 4993-9	4.8	229
82	Water-dispersible silicon dots as a peroxidase mimetic for the highly-sensitive colorimetric detection of glucose. <i>Chemical Communications</i> , 2014 , 50, 6771-4	5.8	73
81	A new turn-on fluorescent sensor based on NBD for highly selective detection of Hg ²⁺ in aqueous media and imaging in live cells. <i>Analytical Methods</i> , 2014 , 6, 4797	3.2	23
80	Label-free silicon quantum dots as fluorescent probe for selective and sensitive detection of copper ions. <i>Talanta</i> , 2014 , 125, 372-7	6.2	32
79	Apo ferritin protein nanoparticles dually labeled with aptamer and horseradish peroxidase as a sensing probe for thrombin detection. <i>Analytica Chimica Acta</i> , 2013 , 759, 53-60	6.6	32
78	Green synthesis of carbon dots with down- and up-conversion fluorescent properties for sensitive detection of hypochlorite with a dual-readout assay. <i>Analyst, The</i> , 2013 , 138, 6551-7	5	201
77	Simultaneous electrochemical determination of dihydroxybenzene isomers based on the hydrophilic carbon nanoparticles and ferrocene-derivative mediator dual sensitized graphene composite. <i>Electrochimica Acta</i> , 2013 , 92, 216-225	6.7	40
76	A label-free silicon quantum dots-based photoluminescence sensor for ultrasensitive detection of pesticides. <i>Analytical Chemistry</i> , 2013 , 85, 11464-70	7.8	162
75	(4-Ferrocenylethyne) phenylamine on Graphene as the Signal Amplifier to Determine Dopamine and Acetaminophen Simultaneously. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 845-854	4.9	11
74	Label-free DNA sensor for Pb ²⁺ based on a duplex-quadruplex exchange. <i>Analytical Methods</i> , 2013 , 5, 6100	3.2	13
73	Fluorescence resonance energy transfer aptasensor for platelet-derived growth factor detection based on upconversion nanoparticles in 30% blood serum. <i>Analytical Methods</i> , 2013 , 5, 699-704	3.2	30
72	Label-free Si quantum dots as photoluminescence probes for glucose detection. <i>Chemical Communications</i> , 2013 , 49, 612-4	5.8	117
71	A label-free fluorescent molecular switch for Cu ²⁺ based on metal ion-triggered DNA-cleaving DNase and DNA intercalator. <i>New Journal of Chemistry</i> , 2013 , 37, 1252	3.6	26
70	A colorimetric and fluorescence sensing platform for two analytes in homogenous solution based on aptamer-modified gold nanoparticles. <i>Analytical Methods</i> , 2013 , 5, 2477	3.2	17
69	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 ₃ O ₄ @Au nanoparticles with graphene sheet. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 75-81	11.8	182
68	A new turn-on fluorescent probe for selective detection of glutathione and cysteine in living cells. <i>Chemical Communications</i> , 2013 , 49, 4640-2	5.8	131
67	Self-assembled oligo(phenylene ethynylene)s/graphene nanocomposite with improved electrochemical performances for dopamine determination. <i>Analytica Chimica Acta</i> , 2013 , 767, 59-65	6.6	22

66	Sensitive detection of rutin with novel ferrocene benzyne derivative modified electrodes. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 275-81	11.8	54
65	Gold nanoparticle coupled with fluorophore for ultrasensitive detection of protamine and heparin. <i>Talanta</i> , 2013 , 116, 951-7	6.2	46
64	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> , 2012 , 165, 126-132	8.5	41
63	A simple adenosine fluorescent aptasensor based on the quenching ability of guanine. <i>New Journal of Chemistry</i> , 2012 , 36, 2260	3.6	11
62	A dynamic study on reversal of multidrug resistance by ginsenoside Rb ₁ in adriamycin-resistant human breast cancer MCF-7 cells. <i>Talanta</i> , 2012 , 88, 345-51	6.2	17
61	A novel label-free fluorescent sensor for the detection of potassium ion based on DNAzyme. <i>Talanta</i> , 2012 , 89, 57-62	6.2	48
60	Synthesis, characterization of conjugated oligo-phenylene-ethynyls and their supramolecular interaction with β -cyclodextrin for salicylaldehyde detection. <i>Talanta</i> , 2012 , 100, 229-38	6.2	5
59	Electrochemical immunoassay on expression of integrin α_5 on tumor cells and drug-resistant tumor cells. <i>Biosensors and Bioelectronics</i> , 2012 , 38, 389-95	11.8	13
58	Highly sensitive and selective dopamine biosensor based on a phenylethynyl ferrocene/graphene nanocomposite modified electrode. <i>Analyst, The</i> , 2012 , 137, 4577-83	5	63
57	Dual amplification strategy of highly sensitive thrombin amperometric aptasensor based on chitosan-Au nanocomposites. <i>Analyst, The</i> , 2012 , 137, 3488-95	5	19
56	Estimation of pK _a values for carboxylic acids, alcohols, phenols and amines using changes in the relative Gibbs free energy. <i>Fluid Phase Equilibria</i> , 2012 , 313, 148-155	2.5	33
55	Apo ferritin nanoparticle: a novel and biocompatible carrier for enzyme immobilization with enhanced activity and stability. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17468		22
54	Quartz crystal microbalance detection of DNA single-base mutation based on monobase-coded cadmium tellurium nanoprobe. <i>Analytical Sciences</i> , 2011 , 27, 1229-35	1.7	7
53	Poly(methylene blue) doped silica nanocomposites with crosslinked cage structure: Electropolymerization, characterization and catalytic activity for reduction of dissolved oxygen. <i>Electrochimica Acta</i> , 2011 , 56, 10055-10063	6.7	24
52	Ultrasensitive electrochemical aptasensor for thrombin based on the amplification of aptamer-AuNPs-HRP conjugates. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2297-303	11.8	131
51	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> , 2011 , 99, 231-9	5.4	33
50	Three-dimensional network polyamidoamine dendrimer-Au nanocomposite for the construction of a mediator-free horseradish peroxidase biosensor. <i>Analyst, The</i> , 2011 , 136, 4500-6	5	19
49	Improved GFP gene transfection mediated by polyamidoamine dendrimer-functionalized multi-walled carbon nanotubes with high biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 206-13	6	75

48	Efficient assembly of multi-walled carbon nanotube-CdSe/ZnS quantum dot hybrids with high biocompatibility and fluorescence property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 87, 346-52	6	17
47	Hairpin DNA switch for ultrasensitive spectrophotometric detection of DNA hybridization based on gold nanoparticles and enzyme signal amplification. <i>Analytical Chemistry</i> , 2010 , 82, 6440-6	7.8	85
46	Electrochemical copolymerization study of o-toluidine and o-aminophenol by the simultaneous EQCM and in situ FTIR spectroelectrochemistry. <i>Talanta</i> , 2010 , 81, 664-72	6.2	23
45	A study on the electro-oxidation and electropolymerization of a new OPE linear molecule by EQCM and in situ FTIR spectroelectrochemistry. <i>Electrochimica Acta</i> , 2010 , 56, 454-462	6.7	5
44	Detection of adherent cells using electrochemical impedance spectroscopy based on molecular recognition of integrin α_5 . <i>Sensors and Actuators B: Chemical</i> , 2010 , 149, 87-93	8.5	10
43	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> , 2010 , 80, 18-25	6	46
42	A novel method for the detection of point mutation in DNA using single-base-coded CdS nanopropes. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2339-45	11.8	40
41	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> , 2009 , 24, 2268-72	11.8	67
40	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> , 2009 , 24, 1603-9	11.8	30
39	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> , 2008 , 80, 5829-38	7.8	45
38	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> , 2008 , 622, 184-192	4.1	23
37	The preparation and characterization of poly(o-phenylenediamine)/gold nanoparticles interface for immunoassay by surface plasmon resonance and electrochemistry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 63, 254-61	6	16
36	Real-time monitoring of the cell agglutination process with a quartz crystal microbalance. <i>Analytical Biochemistry</i> , 2008 , 383, 130-6	3.1	17
35	Study of fibrinogen adsorption on hydroxyapatite and TiO ₂ surfaces by electrochemical piezoelectric quartz crystal impedance and FTIR-ATR spectroscopy. <i>Analytica Chimica Acta</i> , 2007 , 597, 58-66	6.6	31
34	Room-temperature ionic liquids/multi-walled carbon nanotubes/chitosan composite electrode for electrochemical analysis of NADH. <i>Electrochimica Acta</i> , 2007 , 52, 6630-6637	6.7	88
33	In situ monitoring Ni electrodeposition and stripping on gold electrode surface in a static magnetic field using an electrochemical quartz crystal impedance system. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 444-453	8.5	9
32	Electrochemical quartz crystal impedance and fluorescence quenching studies on the binding of carbon nanotubes (CNTs)-adsorbed and solution rutin with hemoglobin. <i>Biotechnology Progress</i> , 2007 , 23, 473-9	2.8	2
31	Simultaneous quartz crystal microbalance-electrochemical impedance spectroscopy study on the adsorption of anti-human immunoglobulin G and its immunoreaction at nanomaterial-modified Au electrode surfaces. <i>Analytical Sciences</i> , 2007 , 23, 689-96	1.7	10

30	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> , 2006 , 52, 342-352	6.7	38
29	Monitoring and estimation of the kinetics parameters in the binding process of tannic acid to bovine serum albumin with electrochemical quartz crystal impedance system. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 4087-94	5.7	15
28	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> , 2006 , 47, 3372-3381	3.9	33
27	EQCM study of influences of heparin and tannic acid on the precipitation of phenazinehydride charge-transfer complex during redox switching of o-phenylenediamine in aqueous H ₂ SO ₄ . <i>Journal of Electroanalytical Chemistry</i> , 2006 , 594, 133-142	4.1	2
26	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> , 2005 , 109, 4053-63	3.4	89
25	A simultaneous electrochemical impedance and quartz crystal microbalance study on antihuman immunoglobulin G adsorption and human immunoglobulin G reaction. <i>Journal of Proteomics</i> , 2005 , 62, 191-205		27
24	Monitoring of the interaction of tannin with bovine serum albumin by electrochemical quartz-crystal impedance system and fluorescence spectrophotometry. <i>Sensors and Actuators B: Chemical</i> , 2005 , 105, 454-463	8.5	15
23	Study of protein adsorption on polymer coatings surface by combining quartz crystal microbalance with electrochemical impedance methods. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 933-942	8.5	35
22	Simultaneous impedance measurements of two one-face sealed resonating piezoelectric quartz crystals for in situ monitoring of electrochemical processes and solution properties. <i>Analytica Chimica Acta</i> , 2005 , 533, 213-224	6.6	14
21	Fluorescence quenching of bovine serum albumin. <i>Analytical Sciences</i> , 2004 , 20, 441-4	1.7	28
20	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> , 2003 , 262, 107-15	9.3	61
19	Studies on Interaction of Tyrosine with DNA by Fluorescence Spectra. <i>Analytical Letters</i> , 2003 , 36, 2167-2181		
18	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> , 2002 , 464, 65-77	6.6	26
17	Study of surfactant adsorption onto electropolymerized o-phenylenediamine film by using a capacitive sensing method. <i>Analyst, The</i> , 2002 , 127, 262-266	5	9
16	An electrochemical quartz crystal impedance study on the rising of an aqueous solution meniscus for a partially immersed gold electrode during the electrochemical reduction of oxygen. <i>Analytical Sciences</i> , 2001 , 17, 265-72	1.7	8
15	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> , 2001 , 17, 613-20	1.7	29
14	In Situ Monitoring of Generation and Precipitation of Ferric Hydroxide Sol with a Piezoelectric Quartz Crystal Impedance Analyzer. <i>Journal of Colloid and Interface Science</i> , 2001 , 236, 282-289	9.3	9
13	Study of the Frequency Character of the Ringed-Electrode Piezoelectric Sensor in Liquid Phase and the Adsorption of CTMAB onto a Quartz Surface. <i>Journal of Colloid and Interface Science</i> , 2001 , 241, 386-391	9.3	2

12	Study of bovine serum albumin adsorption onto a silicon dioxide surface using a ring-electrode piezoelectric sensor. <i>Analytica Chimica Acta</i> , 2001 , 444, 271-277	6.6	5
11	The detection of bovine serum albumin by using Cu ²⁺ based on a piezoelectric quartz crystal impedance technique. <i>Microchemical Journal</i> , 2001 , 68, 71-76	4.8	7
10	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> , 2001 , 126, 189-94	5	34
9	A piezoelectric quartz crystal impedance study on Cu(2+)-induced precipitation of bovine serum albumin in aqueous solution. <i>Journal of Proteomics</i> , 2001 , 47, 209-19		11
8	Monitoring of DNA oxidative damage with piezoelectric quartz crystal method. <i>Talanta</i> , 2001 , 54, 263-70	6.2	4
7	Piezoelectric Crystal Impedance Analysis for Investigating the Changes of Interfacial Properties due to Interaction of Cobalt Salt with DNA Immobilized on Biosensor.. <i>Analytical Sciences</i> , 2000 , 16, 467-472	1.7	2
6	Detection and analysis of Bacillus subtilis growth with piezoelectric quartz crystal impedance based on starch hydrolysis. <i>Analytical Biochemistry</i> , 2000 , 285, 50-7	3.1	12
5	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> , 2000 , 484, 41-54	4.1	37
4	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> , 2000 , 423, 221-228	6.6	92
3	Evaluation of electromechanical coupling factor for a piezoelectric quartz crystal in liquid phase. <i>Analytica Chimica Acta</i> , 2000 , 419, 251-254	6.6	9
2	A Study of Depletion Layer Effects on Equivalent Circuit Parameters Using an Electrochemical Quartz Crystal Impedance System. <i>Analytical Chemistry</i> , 1999 , 71, 4649-4656	7.8	102
1	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> , 1999 , 478, 1-8	4.1	40