

# Orawon Chailapakul

## 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.

219  
papers

10,975  
citations

55  
h-index

97  
g-index

223  
ext. papers

12,533  
ext. citations

5.9  
avg. IF

6.87  
L-index

#	Paper	IF	Citations
219	Non-invasive electrochemical immunosensor for sweat cortisol based on L-cys/AuNPs/ MXene modified thread electrode.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 203, 114039	11.8	11
218	A chromatographic paper-based electrochemical device to determine Tetrahydrocannabinol and cannabidiol in cannabis oil. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 355, 131353	8.5	3
217	An alternative label-free DNA sensor based on the alternating-current electroluminescent device for simultaneous detection of human immunodeficiency virus and hepatitis C co-infection. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 196, 113719	11.8	2
216	Rapid urinary albumin detection using a simple redox cycling process coupled with a paper-based device. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 911, 116230	4.1	0
215	A new disposable electrochemical sensor for the individual and simultaneous determination of carbamate pesticides using a nanocomposite modified screen-printed electrode. <i>Microchemical Journal</i> , <b>2022</b> , 177, 107318	4.8	0
214	Simple manipulation of enzyme-linked immunosorbent assay (ELISA) using an automated microfluidic interface.. <i>Analytical Methods</i> , <b>2022</b> , 14, 1774-1781	3.2	1
213	Smartphone-based electrochemical analysis integrated with NFC system for the voltammetric detection of heavy metals using a screen-printed graphene electrode.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 191	5.8	0
212	Simple Portable Voltammetric Sensor Using Anodized Screen-Printed Graphene Electrode for the Quantitative Analysis of -Hydroxybenzoic Acid in Cosmetics.. <i>ACS Omega</i> , <b>2022</b> , 7, 16116-16126	3.9	1
211	Porous Electrodeposited Cu as a Potential Electrode for Electrochemical Reduction Reactions of CO <sub>2</sub> . <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11104	2.6	0
210	Industrial Buyer Innovation Adoption Model: A Focus on a Smartphone-Based Electrochemical Analytical Device for Toxic Heavy Metal Detection. <i>Sustainability</i> , <b>2021</b> , 13, 11718	3.6	0
209	Electrochemical paper-based analytical device for multiplexed, point-of-care detection of cardiovascular disease biomarkers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129336	8.5	28
208	Toward the Rapid Diagnosis of Sepsis: Detecting Interleukin-6 in Blood Plasma Using Functionalized Screen-Printed Electrodes with a Thermal Detection Methodology. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5931-5938	7.8	11
207	Enhanced and Selective MALDI-MS Detection of Peptides via the Nanomaterial-Dependent Coffee Ring Effect. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2021</b> , 32, 1780-1788	3.5	1
206	NFC-enabling smartphone-based portable amperometric immunosensor for hepatitis B virus detection. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 326, 128825	8.5	34
205	Label-free anti-Müllerian hormone sensor based on polyaniline micellar modified electrode. <i>Talanta</i> , <b>2021</b> , 222, 121561	6.2	3
204	A facile one-step gold nanoparticles enhancement based on sequential patterned lateral flow immunoassay device for C-reactive protein detection. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129241	8.5	13
203	Paper-based electrochemical biosensor for diagnosing COVID-19: Detection of SARS-CoV-2 antibodies and antigen. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 176, 112912	11.8	161

202	Amplification-free DNA Sensor for the One-Step Detection of the Hepatitis B Virus Using an Automated Paper-Based Lateral Flow Electrochemical Device. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2879-2887	7.8	24
201	A Low-cost Paper-based Diamond Electrode for Trace Copper Analysis at On-site Environmental Area. <i>Electroanalysis</i> , <b>2021</b> , 33, 226-232	3	6
200	Miniaturized electrocoagulation approach for removal of polymeric pigments and selective analysis of non- and mono-hydroxylated phenolic acids in wine with HPLC-UV. <i>RSC Advances</i> , <b>2021</b> , 11, 5885-5893	3.7	1
199	Flow-based System: A Highly Efficient Tool Speeds Up Data Production and Improves Analytical Performance. <i>Analytical Sciences</i> , <b>2021</b> , 37, 79-92	1.7	2
198	Impedimetric determination of cortisol using screen-printed electrode with aptamer-modified magnetic beads. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 41	5.8	8
197	Laser engraved microapillary pump paper-based microfluidic device for colorimetric and electrochemical detection of salivary thiocyanate. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 140	5.8	6
196	Sequential electrodeposition of Cu-Pt bimetallic nanocatalysts on boron-doped diamond electrodes for the simple and rapid detection of methanol. <i>Scientific Reports</i> , <b>2021</b> , 11, 14354	4.9	1
195	Flexible cotton-AuNP thread electrode for non-enzymatic sensor of uric acid in urine. <i>Cellulose</i> , <b>2021</b> , 28, 10501	5.5	1
194	Ultrasensitive electrochemiluminescence sensor based on nitrogen-decorated carbon dots for <i>Listeria monocytogenes</i> determination using a screen-printed carbon electrode. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 188, 113323	11.8	8
193	Fluorescent paper-based DNA sensor using pyrrolidinyl peptide nucleic acids for hepatitis C virus detection. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 189, 113381	11.8	10
192	Enzyme-free impedimetric biosensor-based molecularly imprinted polymer for selective determination of L-hydroxyproline. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 191, 113387	11.8	2
191	An automated fast-flow/delayed paper-based platform for the simultaneous electrochemical detection of hepatitis B virus and hepatitis C virus core antigen. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 193, 113543	11.8	11
190	Paper-based DNA sensor enabling colorimetric assay integrated with smartphone for human papillomavirus detection. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 6960-6967	3.6	7
189	A non-enzymatic disposable electrochemical sensor based on surface-modified screen-printed electrode CuO-IL/rGO nanocomposite for a single-step determination of glucose in human urine and electrolyte drinks. <i>Analytical Methods</i> , <b>2021</b> , 13, 2796-2803	3.2	4
188	Development of Electrocoagulation and Detection Approaches For Manipulation of Volatile Compound Profiles In Organic Medium Supported Using Two-Phase Electrolyte System. <i>ChemistrySelect</i> , <b>2020</b> , 5, 11630-11636	1.8	0
187	A simple paper-based approach for arsenic determination in water using hydride generation coupled with mercaptosuccinic-acid capped CdTe quantum dots. <i>Analytical Methods</i> , <b>2020</b> , 12, 2718-2726	3.2	4
186	Application of modifier-free gold nanoparticle colorimetric sensing for rapid screening and detection of vitamin B1. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9223-9229	3.6	7
185	Enhanced sensitivity and separation for simultaneous determination of tin and lead using paper-based sensors combined with a portable potentiostat. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 318, 128241	8.5	15

184	Cost-effective paper-based electrochemical immunosensor using a label-free assay for sensitive detection of ferritin. <i>Analyst, The</i> , <b>2020</b> , 145, 5019-5026	5	22
183	Paper-based sensors for the application of biological compound detection. <i>Comprehensive Analytical Chemistry</i> , <b>2020</b> , 89, 31-62	1.9	2
182	High-efficient of graphene nanocomposite: Application to rapidly simultaneous identification and quantitation of fat-soluble vitamins in different matric samples. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 873, 114361	4.1	3
181	Signal-On Electrochemical biosensor based on a competitive immunoassay format for the sensitive determination of oxytetracycline. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128389	8.5	12
180	Wide electrochemical window of screen-printed electrode for determination of rapamycin using ionic liquid/graphene composites. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 245	5.8	6
179	The effects of the supporting electrolyte on the simultaneous determination of vitamin B2, vitamin B6, and vitamin C using a modification-free screen-printed carbon electrode. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12603-12612	3.6	7
178	Impedimetric melanoma invasion assay device using a simple paper membrane and stencil-printed electrode on PMMA substrate. <i>Sensing and Bio-Sensing Research</i> , <b>2020</b> , 29, 100354	3.3	1
177	Colorimetric assay for determination of Cu (II) ions using l-cysteine functionalized silver nanoplates. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105101	4.8	3
176	Single step preparation of platinum nanoflowers/reduced graphene oxide electrode as a novel platform for diclofenac sensor. <i>Microchemical Journal</i> , <b>2020</b> , 155, 104744	4.8	12
175	Optical Bioelectronic Device Based on a Screen-Printed Electroluminescent Transducer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 22543-22551	9.5	13
174	Pop-up paper electrochemical device for label-free hepatitis B virus DNA detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 316, 128077	8.5	42
173	Facile and Fast Detection of Genistein in <i>Derris scandens</i> by Square Wave Voltammetry using a Cobalt(II) Phthalocyanine-Modified Screen-Printed Electrochemical Sensor. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 341-348	1.7	5
172	Simple and Cost-Effective Electrochemical Approach for Monitoring of Vitamin K in Green Vegetables. <i>ChemElectroChem</i> , <b>2020</b> , 7, 155-162	4.3	7
171	3D paper-based microfluidic device: a novel dual-detection platform of bisphenol A. <i>Analyst, The</i> , <b>2020</b> , 145, 1491-1498	5	19
170	A new alternative assay for sensitive analysis of ethylenethiourea and propylenethiourea in fruit samples after their separation. <i>Analytical Methods</i> , <b>2020</b> , 12, 3705-3712	3.2	1
169	Development of an unmodified screen-printed graphene electrode for nonenzymatic histamine detection. <i>Analytical Methods</i> , <b>2020</b> , 12, 5407-5414	3.2	9
168	Paper-based immunosensor with competitive assay for cortisol detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 178, 112925	3.5	11
167	A new ready-to-use gel-based electrolyte for paraquat sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 315, 128089	8.5	5

166	Simultaneous determination of ascorbic acid, dopamine, and uric acid using graphene quantum dots/ionic liquid modified screen-printed carbon electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 314, 128059	8.5	56
165	Electrochemical detection of NO <sub>x</sub> gas based on disposable paper-based analytical device using a copper nanoparticles-modified screen-printed graphene electrode. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 143, 111606	11.8	21
164	Janus electrochemistry: Simultaneous electrochemical detection at multiple working conditions in a paper-based analytical device. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1056, 88-95	6.6	34
163	A Transparency Sheet-Based Colorimetric Device for Simple Determination of Calcium Ions Using Induced Aggregation of Modified Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
162	Disposable paper-based electrochemical sensor using thiol-terminated poly(2-methacryloyloxyethyl phosphorylcholine) for the label-free detection of C-reactive protein. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 472	5.8	24
161	A paper-based analytical device coupled with electrochemical detection for the determination of dexamethasone and prednisolone in adulterated traditional medicines. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1078, 16-23	6.6	22
160	3D Capillary-Driven Paper-Based Sequential Microfluidic Device for Electrochemical Sensing Applications. <i>ACS Sensors</i> , <b>2019</b> , 4, 1211-1221	9.2	46
159	Colorimetric sensor for determination of phosphate ions using anti-aggregation of 2-mercaptoethanesulfonate-modified silver nanoplates and europium ions. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 290, 226-232	8.5	22
158	An origami paper-based electrochemical immunoassay for the C-reactive protein using a screen-printed carbon electrode modified with graphene and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 153	5.8	55
157	Novel ractopamine-protein carrier conjugation and its application to the lateral flow strip test for ractopamine detection in animal feed. <i>Journal of Zhejiang University: Science B</i> , <b>2019</b> , 20, 193-204	4.5	6
156	A copper oxide-ionic liquid/reduced graphene oxide composite sensor enabled by digital dispensing: Non-enzymatic paper-based microfluidic determination of creatinine in human blood serum. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1083, 110-118	6.6	32
155	Electrochemical immunosensor based on gold-labeled monoclonal anti-LipL32 for leptospirosis diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111539	11.8	28
154	A nanocomposite prepared from platinum particles, polyaniline and a TiC MXene for amperometric sensing of hydrogen peroxide and lactate. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 752	5.8	42
153	A folding affinity paper-based electrochemical impedance device for cardiovascular risk assessment. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 130, 389-396	11.8	21
152	A new electrochemical paper platform for detection of 8-hydroxyquinoline in cosmetics using a cobalt phthalocyanine-modified screen-printed carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 832, 480-485	4.1	17
151	The Synthesis of Carboxymethyl Cellulose-Based Hydrogel from Sugarcane Bagasse Using Microwave-Assisted Irradiation for Selective Adsorption of Copper(II) Ions. <i>Environmental Progress and Sustainable Energy</i> , <b>2019</b> , 38, S157-S165	2.5	14
150	Label-free paper-based electrochemical impedance immunosensor for human interferon gamma detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 279, 298-304	8.5	64
149	Successive detection of benzoic acid and total parabens in foodstuffs using mercaptosuccinic acid capped cadmium telluride quantum dots. <i>Food Control</i> , <b>2019</b> , 96, 508-516	6.2	9

148	Electrochemical detection of c-reactive protein based on anthraquinone-labeled antibody using a screen-printed graphene electrode. <i>Talanta</i> , <b>2018</b> , 183, 311-319	6.2	50
147	A Simple Paper-based Colorimetric Device for Rapid and Sensitive Urinary Oxalate Determinations. <i>Analytical Sciences</i> , <b>2018</b> , 34, 103-108	1.7	11
146	Gold Nanoparticle-labeled Electrochemical Immunoassay Using Open Circuit Potential for Human Chorionic Gonadotropin Detection. <i>Electroanalysis</i> , <b>2018</b> , 30, 1774-1780	3	4
145	A new DNA sensor design for the simultaneous detection of HPV type 16 and 18 DNA. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 265, 514-521	8.5	25
144	Low-cost and disposable sensors for the simultaneous determination of coenzyme Q10 and Hippic acid using manganese (IV) oxide-modified screen-printed graphene electrodes. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1004, 22-31	6.6	30
143	Microfluidic Paper-based Analytical Devices for Determination of Creatinine in Urine Samples. <i>Analytical Sciences</i> , <b>2018</b> , 34, 109-113	1.7	28
142	Paper-based amperometric sensor for determination of acetylcholinesterase using screen-printed graphene electrode. <i>Talanta</i> , <b>2018</b> , 178, 1017-1023	6.2	53
141	Carbonized electrospun polyvinylpyrrolidone/metal hybrid nanofiber composites for electrochemical applications. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45639	2.9	4
140	Simple and selective paper-based colorimetric sensor for determination of chloride ion in environmental samples using label-free silver nanoprisms. <i>Talanta</i> , <b>2018</b> , 178, 134-140	6.2	56
139	Electrochemical impedance-based DNA sensor using pyrrolidinyl peptide nucleic acids for tuberculosis detection. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1044, 102-109	6.6	52
138	Electrochemical Immunoassay Using Open Circuit Potential Detection Labeled by Platinum Nanoparticles. <i>Sensors</i> , <b>2018</b> , 18,	3.8	13
137	Anodic stripping voltammetric determination of total arsenic using a gold nanoparticle-modified boron-doped diamond electrode on a paper-based device. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 324	5.8	40
136	Development of competitive lateral flow immunoassay coupled with silver enhancement for simple and sensitive salivary cortisol detection. <i>EXCLI Journal</i> , <b>2018</b> , 17, 1198-1209	2.4	8
135	Gold nanoparticle core-europium(iii) chelate fluorophore-doped silica shell hybrid nanocomposites for the lateral flow immunoassay of human thyroid stimulating hormone with a dual signal readout. <i>Analyst, The</i> , <b>2018</b> , 143, 564-570	5	14
134	Development of an automated wax-printed paper-based lateral flow device for alpha-fetoprotein enzyme-linked immunosorbent assay. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 27-32	11.8	106
133	Non-enzymatic electrochemical detection of glucose with a disposable paper-based sensor using a cobalt phthalocyanine-ionic liquid-graphene composite. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 113-120	11.8	129
132	A novel paper-based colorimetry device for the determination of the albumin to creatinine ratio. <i>Analyst, The</i> , <b>2018</b> , 143, 5453-5460	5	7
131	ZnO@graphene nanocomposite modified electrode for sensitive and simultaneous detection of Cd (II) and Pb (II). <i>Synthetic Metals</i> , <b>2018</b> , 245, 251-259	3.6	36

130	Wax-Assisted One-Step Enzyme-Linked Immunosorbent Assay on Lateral Flow Test Devices. <i>Analytical Sciences</i> , <b>2018</b> , 34, 51-56	1.7	13
129	Screen-Printed Electroluminescent Lamp Modified with Graphene Oxide as a Sensing Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20775-20782	9.5	17
128	Hydrophilic graphene surface prepared by electrochemically reduced micellar graphene oxide as a platform for electrochemical sensor. <i>Talanta</i> , <b>2017</b> , 165, 692-701	6.2	30
127	Graphene Oxide-Modified Electrode Coated with in-situ Antimony Film for the Simultaneous Determination of Heavy Metals by Sequential Injection-Anodic Stripping Voltammetry. <i>Electroanalysis</i> , <b>2017</b> , 29, 1022-1030	3	19
126	Paper-Based Digital Microfluidic Chip for Multiple Electrochemical Assay Operated by a Wireless Portable Control System. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600267	6.8	37
125	Boron Doped Diamond Paste Electrodes for Microfluidic Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4100-4107	7.8	64
124	Multiplex Paper-Based Colorimetric DNA Sensor Using PyrrolidinyI Peptide Nucleic Acid-Induced AgNPs Aggregation for Detecting MERS-CoV, MTB, and HPV Oligonucleotides. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5428-5435	7.8	219
123	Determination of nickel(II) by ion-transfer to hydroxide medium using sequential injection-electrochemical analysis (SIECA). <i>Talanta</i> , <b>2017</b> , 168, 286-290	6.2	12
122	Electrochemical paper-based peptide nucleic acid biosensor for detecting human papillomavirus. <i>Analytica Chimica Acta</i> , <b>2017</b> , 952, 32-40	6.6	134
121	Bimetallic Pt-Au nanocatalysts electrochemically deposited on boron-doped diamond electrodes for nonenzymatic glucose detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 98, 76-82	11.8	105
120	Fully Inkjet-Printed Paper-Based Potentiometric Ion-Sensing Devices. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10608-10616	7.8	74
119	Voltammetric detection of carbofuran determination using screen-printed carbon electrodes modified with gold nanoparticles and graphene oxide. <i>Talanta</i> , <b>2017</b> , 175, 331-337	6.2	52
118	Label-free immunosensor based on graphene/polyaniline nanocomposite for neutrophil gelatinase-associated lipocalin detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 249-255	11.8	50
117	Graphene/polyvinylpyrrolidone/polyaniline nanocomposite-modified electrode for simultaneous determination of parabens by high performance liquid chromatography. <i>Talanta</i> , <b>2016</b> , 148, 655-60	6.2	24
116	Flow injection amperometric sensor with a carbon nanotube modified screen printed electrode for determination of hydroquinone. <i>Talanta</i> , <b>2016</b> , 146, 766-71	6.2	32
115	Synthesis of PANI/hematite/PB hybrid nanocomposites and fabrication as screen printed paper based sensors for cholesterol detection. <i>Analytical Methods</i> , <b>2016</b> , 8, 8049-8058	3.2	9
114	A multiplexed three-dimensional paper-based electrochemical impedance device for simultaneous label-free affinity sensing of total and glycosylated haemoglobin: The potential of using a specific single-frequency value for analysis. <i>Analytica Chimica Acta</i> , <b>2016</b> , 936, 1-11	6.6	31
113	Droplet-based glucosamine sensor using gold nanoparticles and polyaniline-modified electrode. <i>Talanta</i> , <b>2016</b> , 158, 134-141	6.2	22

112	Development of Electrochemical Paper-based Glucose Sensor Using Cellulose-4-aminophenylboronic Acid-modified Screen-printed Carbon Electrode. <i>Electroanalysis</i> , <b>2016</b> , 28, 462-468	3	44
111	Ultra-high performance liquid chromatographic determination of antioxidants in teas using inkjet-printed graphene-polyaniline electrode. <i>Talanta</i> , <b>2016</b> , 148, 673-9	6.2	28
110	Immobilization-free electrochemical DNA detection with anthraquinone-labeled pyrrolidinyl peptide nucleic acid probe. <i>Talanta</i> , <b>2016</b> , 146, 318-25	6.2	31
109	Electrochemical sensors for the simultaneous determination of zinc, cadmium and lead using a Nafion/ionic liquid/graphene composite modified screen-printed carbon electrode. <i>Analytica Chimica Acta</i> , <b>2016</b> , 918, 26-34	6.6	156
108	Polyaspartate as a gelled electrolyte additive to improve the performance of the gel valve-regulated lead-acid batteries under 100 % depth of discharge and partial-state-of charge conditions. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 801-811	2.6	13
107	Nitrogen-doped graphene/polyvinylpyrrolidone/gold nanoparticles modified electrode as a novel hydrazine sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 524-532	8.5	42
106	Polyaniline/graphene quantum dot-modified screen-printed carbon electrode for the rapid determination of Cr(VI) using stopped-flow analysis coupled with voltammetric technique. <i>Talanta</i> , <b>2016</b> , 150, 198-205	6.2	60
105	Electrochemically reduced graphene oxide-modified screen-printed carbon electrodes for a simple and highly sensitive electrochemical detection of synthetic colorants in beverages. <i>Talanta</i> , <b>2016</b> , 160, 113-124	6.2	61
104	Graphene-polyaniline modified electrochemical droplet-based microfluidic sensor for high-throughput determination of 4-aminophenol. <i>Analytica Chimica Acta</i> , <b>2016</b> , 925, 51-60	6.6	57
103	High sensitivity and specificity simultaneous determination of lead, cadmium and copper using BAD with dual electrochemical and colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 233, 540-549	8.5	86
102	Boronate-Modified Interdigitated Electrode Array for Selective Impedance-Based Sensing of Glycated Hemoglobin. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9582-9589	7.8	20
101	Highly selective and sensitive paper-based colorimetric sensor using thiosulfate catalytic etching of silver nanoplates for trace determination of copper ions. <i>Analytica Chimica Acta</i> , <b>2015</b> , 866, 75-83	6.6	119
100	An Electrochemical Compact Disk-type Microfluidics Platform for Use as an Enzymatic Biosensor. <i>Electroanalysis</i> , <b>2015</b> , 27, 703-712	3	22
99	Cost-effective flow injection amperometric system with metal nanoparticle loaded carbon nanotube modified screen printed carbon electrode for sensitive determination of hydrogen peroxide. <i>Talanta</i> , <b>2015</b> , 144, 868-74	6.2	25
98	A facile low-cost enzymatic paper-based assay for the determination of urine creatinine. <i>Talanta</i> , <b>2015</b> , 144, 915-21	6.2	33
97	Electrochemical droplet-based microfluidics using chip-based carbon paste electrodes for high-throughput analysis in pharmaceutical applications. <i>Analytica Chimica Acta</i> , <b>2015</b> , 883, 45-54	6.6	35
96	A novel paper-based device coupled with a silver nanoparticle-modified boron-doped diamond electrode for cholesterol detection. <i>Analytica Chimica Acta</i> , <b>2015</b> , 891, 136-43	6.6	56
95	Highly sensitive colorimetric detection of lead using maleic acid functionalized gold nanoparticles. <i>Talanta</i> , <b>2015</b> , 132, 613-8	6.2	62



94	An electrochemical sensor based on graphene/polyaniline/polystyrene nanoporous fibers modified electrode for simultaneous determination of lead and cadmium. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 526-534	8.5	221
93	Sensitive and selective electrochemical sensor using silver nanoparticles modified glassy carbon electrode for determination of cholesterol in bovine serum. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 193-198	8.5	91
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