Yoon-Bo Shim, ???

List of Publications by Citations

260 papers	9,924 citations	55 h-index	86 g-index
275 ext. papers	10,763 ext. citations	6.6 avg, IF	6.56 L-index

#	Paper	IF	Citations
260	Electrochemical Sensors Based on Organic Conjugated Polymers. *Sensors*, **2008**, 8, 118-141	3.8	339
259	Applications of conducting polymer composites to electrochemical sensors: A review. *Applied Materials Today*, **2017**, 9, 419-433	6.6	272
258	Ultrasensitive and selective electrochemical diagnosis of breast cancer based on a hydrazine-Au nanoparticle-aptamer bioconjugate. *Analytical Chemistry*, **2013**, 85, 1058-64	7.8	236
257	Electrochemistry of Conductive Polymers VIII: In Situ Spectroelectrochemical Studies of Polyaniline Growth Mechanisms. *Journal of the Electrochemical Society*, **1990**, 137, 538-544	3.9	214
256	Direct DNA hybridization detection based on the oligonucleotide-functionalized conductive polymer. *Analytical Chemistry*, **2001**, 73, 5629-32	7.8	209
255	Conducting polymer-based electrochemical biosensors for neurotransmitters: A review. *Biosensors and Bioelectronics*, **2018**, 102, 540-552	11.8	209
254	Label-free detection of kanamycin based on the aptamer-functionalized conducting polymer/gold nanocomposite. *Biosensors and Bioelectronics*, **2012**, 36, 29-34	11.8	182
253	Disposable amperometric immunosensor system for rabbit IgG using a conducting polymer modified screen-printed electrode. *Biosensors and Bioelectronics*, **2003**, 18, 773-80	11.8	170
252	Characterization of an EDTA bonded conducting polymer modified electrode: its application for the simultaneous determination of heavy metal ions. *Analytical Chemistry*, **2003**, 75, 1123-9	7.8	160
251	Functionalized conducting polymer as an enzyme-immobilizing substrate: an amperometric glutamate microbiosensor for in vivo measurements. *Analytical Chemistry*, **2005**, 77, 4854-60	7.8	155
250	Gold nanoparticles doped conducting polymer nanorod electrodes: ferrocene catalyzed aptamer-based thrombin immunosensor. *Analytical Chemistry*, **2009**, 81, 6604-11	7.8	147
249	Direct electrochemistry of horseradish peroxidase bonded on a conducting polymer modified glassy carbon electrode. *Biosensors and Bioelectronics*, **2003**, 19, 227-32	11.8	144
248	Template Free Preparation of Heteroatoms Doped Carbon Spheres with Trace Fe for Efficient Oxygen Reduction Reaction and Supercapacitor. *Advanced Energy Materials*, **2017**, 7, 1602002	21.8	137
247	Application of a CuCo alloy dendrite on glucose and hydrogen peroxide sensors. *Electrochimica Acta*, **2012**, 61, 36-43	6.7	130
246	Direct electrochemistry of laccase immobilized on au nanoparticles encapsulated-dendrimer bonded conducting polymer: application for a catechin sensor. *Analytical Chemistry*, **2008**, 80, 8020-7	7.8	126
245	Simultaneous determination of ascorbic acid, dopamine, uric acid and folic acid based on activated graphene/MWCNT nanocomposite loaded Au nanoclusters. *Sensors and Actuators B: Chemical*, **2015**, 221, 659-665	8.5	119
244	Detection of daunomycin using phosphatidylserine and aptamer co-immobilized on Au nanoparticles deposited conducting polymer. *Biosensors and Bioelectronics*, **2011**, 26, 4442-9	11.8	115

243	Comparison of enzymatic and non-enzymatic glucose sensors based on hierarchical Au-Ni alloy with conductive polymer. *Biosensors and Bioelectronics*, **2019**, 130, 48-54	11.8	109
242	A lactate biosensor based on lactate dehydrogenase/nictotinamide adenine dinucleotide (oxidized form) immobilized on a conducting polymer/multiwall carbon nanotube composite film. *Analytical Biochemistry*, **2009**, 384, 159-65	3.1	108
241	The biosensor based on the pyruvate oxidase modified conducting polymer for phosphate ions determinations. *Biosensors and Bioelectronics*, **2006**, 21, 1116-24	11.8	108
240	A sensor for acetaminophen in a blood medium using a Cu(II)-conducting polymer complex modified electrode. *Analytica Chimica Acta*, **2004**, 512, 191-197	6.6	107
239	Trace analysis of DNA: preconcentration, separation, and electrochemical detection in microchip electrophoresis using Au nanoparticles. *Analytical Chemistry*, **2007**, 79, 3724-33	7.8	98
238	An impedimetric immunosensor for the label-free detection of bisphenol A. *Biosensors and Bioelectronics*, **2007**, 22, 2464-70	11.8	97
237	Preparation of Dendritic Copper Nanostructures and Their Characterization for Electroreduction. *Journal of Physical Chemistry C*, **2009**, 113, 15891-15896	3.8	95
236	Graphene/conducting polymer nano-composite loaded screen printed carbon sensor for simultaneous determination of dopamine and 5-hydroxytryptamine. *Sensors and Actuators B: Chemical*, **2017**, 239, 993-1002	8.5	90
235	A potentiometric non-enzymatic glucose sensor using a molecularly imprinted layer bonded on a conducting polymer. *Biosensors and Bioelectronics*, **2017**, 91, 276-283	11.8	89
234	A simple and direct electrochemical detection of interferon-gamma using its RNA and DNA aptamers. *Biosensors and Bioelectronics*, **2008**, 23, 1819-24	11.8	89
233	An amperometric chloramphenicol immunosensor based on cadmium sulfide nanoparticles modified-dendrimer bonded conducting polymer. *Biosensors and Bioelectronics*, **2010**, 25, 1781-8	11.8	86
232	Development of an immunosensor for the detection of vitellogenin using impedance spectroscopy. *Biosensors and Bioelectronics*, **2004**, 19, 1245-52	11.8	86
231	A highly sensitive aptasensor towards Plasmodium lactate dehydrogenase for the diagnosis of malaria. *Biosensors and Bioelectronics*, **2012**, 35, 291-296	11.8	81
230	Highly sensitive amperometric detection of cardiac troponin I using sandwich aptamers and screen-printed carbon electrodes. *Talanta*, **2017**, 165, 442-448	6.2	80
229	Cancer cell detection based on the interaction between an anticancer drug and cell membrane components. *Chemical Communications*, **2013**, 49, 1900-2	5.8	75
228	Hydrazine-catalyzed ultrasensitive detection of DNA and proteins. *Analytical Chemistry*, **2007**, 79, 6886-908	7.8	73
227	Dealloyed AuNi Dendrite Anchored on a Functionalized Conducting Polymer for Improved Catalytic Oxygen Reduction and Hydrogen Peroxide Sensing in Living Cells. *Advanced Functional Materials*, **2016**, 26, 1590-1601	15.6	70
226	Electropolymerized self-assembled layer on gold nanoparticles: detection of inducible nitric oxide synthase in neuronal cell culture. *Analytical Chemistry*, **2011**, 83, 6177-83	7.8	68

225	Ultrasensitive detection of drug resistant cancer cells in biological matrixes using an amperometric nanobiosensor. *Biosensors and Bioelectronics*, **2015**, 70, 418-25	11.8	67
224	A performance comparison of choline biosensors: anodic or cathodic detections of H2O2 generated by enzyme immobilized on a conducting polymer. *Biosensors and Bioelectronics*, **2004**, 19, 1565-71	11.8	67
223	Immunosensors for detection of Annexin II and MUC5AC for early diagnosis of lung cancer. *Biosensors and Bioelectronics*, **2009**, 25, 456-62	11.8	66
222	Degradation of Electrochemically Prepared Polypyrrole in Aqueous Sulfuric Acid. *Journal of the Electrochemical Society*, **1993**, 140, 609-614	3.9	63
221	Amplification strategy based on gold nanoparticle-decorated carbon nanotubes for neomycin immunosensors. *Biosensors and Bioelectronics*, **2010**, 26, 1002-8	11.8	62
220	An amperometric nanobiosensor using a biocompatible conjugate for early detection of metastatic cancer cells in biological fluid. *Biosensors and Bioelectronics*, **2016**, 85, 883-890	11.8	61
219	Microwave-Assisted One-Pot Synthesis of Metal-Free Nitrogen and Phosphorus Dual-Doped Nanocarbon for Electrocatalysis and Cell Imaging. *Particle and Particle Systems Characterization*, **2013**, 30, 557-564	3.1	61
218	Electron-transfer mediator for a NAD-glucose dehydrogenase-based glucose sensor. *Analytical Chemistry*, **2013**, 85, 11643-9	7.8	61
217	Investigation on the downregulation of dopamine by acetaminophen administration based on their simultaneous determination in urine. *Biosensors and Bioelectronics*, **2013**, 39, 139-44	11.8	61
216	An amperometric nanobiosensor for the selective detection of K+-induced dopamine released from living cells. *Biosensors and Bioelectronics*, **2015**, 68, 421-428	11.8	60
215	Nanozyme-based electrochemical biosensors for disease biomarker detection. *Analyst, The*, **2020**, 145, 4398-4420	5	60
214	In vivo detection of glutathione disulfide and oxidative stress monitoring using a biosensor. *Biomaterials*, **2012**, 33, 2600-7	15.6	60
213	Electrochemical Characterization of Poly(1,8-diaminonaphthalene): A Functionalized Polymer. *Journal of the Electrochemical Society*, **1992**, 139, 3507-3514	3.9	60
212	A review on determination of steroids in biological samples exploiting nanobio-electroanalytical methods. *Analytica Chimica Acta*, **2013**, 762, 14-24	6.6	59
211	Disposable amperometric glycated hemoglobin sensor for the finger prick blood test. *Analytical Chemistry*, **2013**, 85, 6536-43	7.8	58
210	A sensitive and reliable quantification method for Bisphenol A based on modified competitive ELISA method. *Chemosphere*, **2007**, 68, 1204-9	8.4	58
209	Direct analysis of trace phenolics with a microchip: in-channel sample preconcentration, separation, and electrochemical detection. *Analytical Chemistry*, **2006**, 78, 6809-17	7.8	57
208	Simple preparation of terthiophene-3?-carboxylic acid and characterization of its polymer. *Synthetic Metals*, **2002**, 126, 105-110	3.6	57

207	Separation and simultaneous detection of anticancer drugs in a microfluidic device with an amperometric biosensor. *Biosensors and Bioelectronics*, **2011**, 28, 326-32	11.8	55
206	Selective determination of dopamine with a cibacron blue/poly-1,5-diaminonaphthalene composite film. *Analytica Chimica Acta*, **2009**, 650, 247-53	6.6	55
205	A separation-free amperometric immunosensor for vitellogenin based on screen-printed carbon arrays modified with a conductive polymer. *Biosensors and Bioelectronics*, **2005**, 20, 1780-7	11.8	55
204	Electrochemistry of conductive polymers VII. Autocatalytic rate constant for polyaniline growth. *Synthetic Metals*, **1989**, 29, 169-174	3.6	55
203	Disposable all-solid-state pH and glucose sensors based on conductive polymer covered hierarchical AuZn oxide. *Biosensors and Bioelectronics*, **2016**, 79, 165-72	11.8	54
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201	Ultrasensitive cytosensing based on an aptamer modified nanobiosensor with a bioconjugate: Detection of human non-small-cell lung cancer cells. *Biosensors and Bioelectronics*, **2015**, 74, 594-600	11.8	53
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199	A selective glucose sensor based on direct oxidation on a bimetal catalyst with a molecular imprinted polymer. *Biosensors and Bioelectronics*, **2018**, 99, 471-478	11.8	53
198	An amperometric bilirubin biosensor based on a conductive poly-terthiophene-Mn(II) complex. *Biosensors and Bioelectronics*, **2008**, 23, 857-64	11.8	52
197	Simultaneous electrochemical detection of both PSMA (+) and PSMA (-) prostate cancer cells using an RNA/peptide dual-aptamer probe. *Chemical Communications*, **2010**, 46, 5566-8	5.8	51
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194	In vitro monitoring of i-NOS concentrations with an immunosensor: the inhibitory effect of endocrine disruptors on i-NOS release. *Biosensors and Bioelectronics*, **2012**, 32, 278-82	11.8	48
193	A disposable amperometric dual-sensor for the detection of hemoglobin and glycated hemoglobin in a finger prick blood sample. *Biosensors and Bioelectronics*, **2017**, 91, 128-135	11.8	47
192	Nonenzymatic H2O2 sensing based on silver nanoparticles capped polyterthiophene/MWCNT nanocomposite. *Sensors and Actuators B: Chemical*, **2014**, 201, 51-58	8.5	47
191	A selective nitric oxide nanocomposite biosensor based on direct electron transfer of microperoxidase: removal of interferences by co-immobilized enzymes. *Biosensors and Bioelectronics*, **2010**, 26, 1080-6	11.8	47
190	Electrophoretic analysis of food dyes using a miniaturized microfluidic system. *Electrophoresis*, **2008**, 29, 1910-7	3.6	47

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187	Lipid-bonded conducting polymer layers for a model biomembrane: application to superoxide biosensors. *Analytical Chemistry*, **2006**, 78, 52-60	7.8	46
186	Simultaneous analysis of nitrate and nitrite in a microfluidic device with a Cu-complex-modified electrode. *Electrophoresis*, **2006**, 27, 4545-54	3.6	45
185	Electrochemical detection of mismatched DNA using a MutS probe. *Nucleic Acids Research*, **2006**, 34, e75	20.1	45
184	A disposable chronocoulometric sensor for heavy metal ions using a diaminoterthiophene-modified electrode doped with graphene oxide. *Analytica Chimica Acta*, **2015**, 892, 77-84	6.6	44
183	Magnetic force assisted electrochemical sensor for the detection of thrombin with aptamer-antibody sandwich formation. *Biosensors and Bioelectronics*, **2018**, 117, 480-486	11.8	43
182	Direct Electrochemistry of Cholesterol Oxidase Immobilized on a Conducting Polymer: Application for a Cholesterol Biosensor. *Electroanalysis*, **2010**, 22, 21-25	3	42
181	Simultaneous determination of lead, copper, and mercury at a modified carbon paste eletrode containing humic acid. *Electroanalysis*, **1994**, 6, 887-893	3	42
180	Detection of norfloxacin and monitoring its effect on caffeine catabolism in urine samples. *Biosensors and Bioelectronics*, **2013**, 47, 307-12	11.8	41
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178	Xanthine Sensors Based on Anodic and Cathodic Detection of Enzymatically Generated Hydrogen Peroxide. *Electroanalysis*, **2007**, 19, 631-637	3	39
177	Simultaneous detection of antibacterial sulfonamides in a microfluidic device with amperometry. *Biosensors and Bioelectronics*, **2013**, 39, 204-9	11.8	38
176	Electrochemical detection of peroxynitrite using a biosensor based on a conducting polymer-manganese ion complex. *Analytical Chemistry*, **2010**, 82, 10075-82	7.8	38
175	A novel cobalt(II)-selective potentiometric sensor based on p-(4-n-butylphenylazo)calix[4]arene. *Talanta*, **2009**, 77, 1057-62	6.2	38
174	Selective Electrochemical Analysis of Various Metal Ions at an EDTA Bonded Conducting Polymer Modified Electrode. *Electroanalysis*, **2004**, 16, 1366-1370	3	38
173	Humidity Sensor Using Chemically Synthesized Poly(1,5-diaminonaphthalene) Doped with Carbon. *Journal of the Electrochemical Society*, **2000**, 147, 381	3.9	38
172	Detection of protein-DNA interaction with a DNA probe: distinction between single-strand and double-strand DNA-protein interaction. *Nucleic Acids Research*, **2004**, 32, e110	20.1	37

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170	Selective nonenzymatic bilirubin detection in blood samples using a Nafion/Mn-Cu sensor. *Biosensors and Bioelectronics*, **2014**, 61, 554-61	11.8	35
169	Ultrasensitive dual probe immunosensor for the monitoring of nicotine induced-brain derived neurotrophic factor released from cancer cells. *Biosensors and Bioelectronics*, **2018**, 116, 108-115	11.8	35
168	Water sensor for a nonaqueous solvent with poly(1,5-diaminonapthalene) nanofibers. *Analytical Chemistry*, **2008**, 80, 5307-11	7.8	34
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166	The electrochemical sensor for methanol detection using silicon epoxy coated platinum nanoparticles. *Sensors and Actuators B: Chemical*, **2012**, 174, 45-50	8.5	33
165	Stability and sensitivity enhanced electrochemical in vivo superoxide microbiosensor based on covalently co-immobilized lipid and cytochrome c. *Analytical Chemistry*, **2012**, 84, 6654-60	7.8	33
164	Effect of organic acids and nano-sized ceramic doping on PEO-based solid polymer electrolytes. *Journal of Power Sources*, **2006**, 160, 674-680	8.9	33
163	Microchip capillary electrophoresis with a cellulose-DNA-modified screen-printed electrode for the analysis of neurotransmitters. *Electrophoresis*, **2005**, 26, 3043-52	3.6	33
162	Facile potentiostatic preparation of functionalized polyterthiophene-anchored graphene oxide as a metal-free electrocatalyst for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2015**, 3, 5426-5433	13	32
161	Triggering the redox reaction of cytochrome c on a biomimetic layer and elimination of interferences for NADH detection. *Biomaterials*, **2010**, 31, 7827-35	15.6	32
160	An all-solid-state reference electrode based on the layer-by-layer polymer coating. *Analyst, The*, **2007**, 132, 906-12	5	32
159	Cocaine increases endoplasmic reticulum stress protein expression in striatal neurons. *Neuroscience*, **2007**, 145, 621-30	3.9	32
158	Voltammetric determination of the iodide ion with a quinine copper(II) complex modified carbon paste electrode. *Journal of Electroanalytical Chemistry*, **1999**, 463, 16-23	4.1	32
157	Simultaneous analysis of dopamine and 5-hydroxyindoleacetic acid at nanogold modified screen printed carbon electrodes. *Sensors and Actuators B: Chemical*, **2015**, 213, 72-81	8.5	31
156	A Glucose Sensor Based on an Aminophenyl Boronic Acid Bonded Conducting Polymer. *Electroanalysis*, **2011**, 23, 2036-2041	3	30
155	Detection of polymerase chain reaction fragments using a conducting polymer-modified screen-printed electrode in a microfluidic device. *Electrophoresis*, **2005**, 26, 4656-63	3.6	30
154	Human hair-derived hollow carbon microfibers for electrochemical sensing. *Carbon*, **2016**, 107, 872-877	10.4	29

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152	Construction of right-handed-, left-handed-, and racemic helical coordination polymers. Enantioselective recognition using chiral helical crystals. *Chemical Communications*, **2013**, 49, 4000-2	5.8	29
151	A one-step continuous synthesis of carbon-supported Pt catalysts using a flame for the preparation of the fuel electrode. *Langmuir*, **2010**, 26, 11212-6	4	29
150	Development of a new and simple method for the detection of histidine-tagged proteins. *Biosensors and Bioelectronics*, **2004**, 20, 857-63	11.8	29
149	Cathodic properties of a lithium-ion secondary battery using LiCoO2 prepared by a complex formation reaction. *Journal of Power Sources*, **1998**, 70, 70-77	8.9	28
148	Synthesis, electrochemical, and spectroelectrochemical properties of conductive poly-[2,5-di-(2-thienyl)-1H-pyrrole-1-(p-benzoic acid)]. *Synthetic Metals*, **2010**, 160, 413-418	3.6	27
147	Fabrication of disposable sensors for biomolecule detection using hydrazine electrocatalyst. *Analytical Biochemistry*, **2008**, 379, 170-5	3.1	27
146	Determination of Selenium with a Poly(1,8-diamino-naphthalene)-Modified Electrode. *Electroanalysis*, **2005**, 17, 1952-1958	3	27
145	Development of a bifunctional nanobiosensor for screening and detection of chemokine ligand in colorectal cancer cell line. *Biosensors and Bioelectronics*, **2018**, 100, 396-403	11.8	26
144	Total analysis of endocrine disruptors in a microchip with gold nanoparticles. *Electrophoresis*, **2010**, 31, 3053-60	3.6	26
143	An amperometric immunosensor for osteoproteogerin based on gold nanoparticles deposited conducting polymer. *Biosensors and Bioelectronics*, **2008**, 23, 1595-601	11.8	26
142	Electropolymerization and spectroelectrochemical characterization of poly(1,5-diaminonaphthalene). *Synthetic Metals*, **1995**, 69, 561-562	3.6	26
141	Simultaneous Detection of Cd (II), Pb (II), Cu (II), and Hg (II) Ions in Dye Waste Water Using a Boron Doped Diamond Electrode with DPASV. *Bulletin of the Korean Chemical Society*, **2010**, 31, 140-145	1.2	26
140	Characterization of protein-attached conducting polymer monolayer. *Langmuir*, **2008**, 24, 1087-93	4	25
139	Microfluidic neurotransmitters sensor in blood plasma with mediator-immobilized conducting polymer/N, S-doped porous carbon composite. *Sensors and Actuators B: Chemical*, **2020**, 313, 128017	8.5	24
138	Effect of additives in PEO/PAA/PMAA composite solid polymer electrolytes on the ionic conductivity and Li ion battery performance. *Journal of Applied Electrochemistry*, **2009**, 39, 1573-1578	2.6	24
137	Repeated cocaine administration increases nitric oxide efflux in the rat dorsal striatum. *Psychopharmacology*, **2010**, 208, 245-56	4.7	24
136	Redox reaction of benzoquinone on a lipid coated glassy carbon electrode. *Journal of Electroanalytical Chemistry*, **1997**, 438, 113-119	4.1	24

135	MicroRNAs in ovarian cancer and recent advances in the development of microRNA-based biosensors. *Analyst, The*, **2020**, 145, 2038-2057	5	23
134	Conjugated polymers and an iron complex as electrocatalytic materials for an enzyme-based biofuel cell. *Biosensors and Bioelectronics*, **2010**, 25, 1735-41	11.8	23
133	The potential use of hydrazine as an alternative to peroxidase in a biosensor: comparison between hydrazine and HRP-based glucose sensors. *Biosensors and Bioelectronics*, **2005**, 21, 257-65	11.8	23
132	Electrochemical and in situ UV□isible spectroscopic behavior of cytochrome c at a cardiolipin-modified electrode. *Journal of Electroanalytical Chemistry*, **2001**, 514, 67-74	4.1	23
131	Separation detection of different circulating tumor cells in the blood using an electrochemical microfluidic channel modified with a lipid-bonded conducting polymer. *Biosensors and Bioelectronics*, **2019**, 146, 111746	11.8	22
130	Ag(I)-cysteamine complex based electrochemical stripping immunoassay: ultrasensitive human IgG detection. *Biosensors and Bioelectronics*, **2011**, 26, 4429-35	11.8	22
129	An Amperometric Sensor for Hydrogen Peroxide Based on a (3-Mercaptopropyl)trimethoxysilane Self-Assembled Layer Containing Hydrazine. *Electroanalysis*, **2002**, 14, 704	3	22
128	Synthesis and physical properties of □bis[Co2(CO)6{□2:□2-C(R)?C}]oligothiophenes. *Journal of Organometallic Chemistry*, **2000**, 599, 232-237	2.3	22
127	A simple separation method with a microfluidic channel based on alternating current potential modulation. *Analytical Chemistry*, **2012**, 84, 9738-44	7.8	21
126	Electrochemical Evaluation of Binding Affinity for Aptamer Selection Using the Microarray Chip. *Electroanalysis*, **2012**, 24, 1057-1064	3	21
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123	Electrochemistry of conductive polymer X: Polyaniline-based potentiometric sensor for dissolved oxygen. *Electroanalysis*, **1991**, 3, 31-36	3	21
122	Catalytic activity of polymerized self-assembled artificial enzyme nanoparticles: applications to microfluidic channel-glucose biofuel cells and sensors. *Journal of Materials Chemistry A*, **2016**, 4, 2720-2728	13	20
121	Spectroelectrochemical and electrochromic behaviors of newly synthesized poly[3?-(2-aminopyrimidyl)-2,2?:5?,2?-terthiophene]. *Electrochimica Acta*, **2013**, 104, 322-329	6.7	20
120	Electrochemical Detection of Hemoglobin: A Review. *Electroanalysis*, **2017**, 29, 2190-2199	3	20
119	Comparison of solar cell performance of conducting polymer dyes with different functional groups. *Journal of Power Sources*, **2011**, 196, 8874-8880	8.9	20
118	Electrophoretic total analysis of trace tetracycline antibiotics in a microchip with amperometry. *Electrophoresis*, **2009**, 30, 3219-27	3.6	20

117	Analysis of polymerase chain reaction amplifications through phosphate detection using an enzyme-based microbiosensor in a microfluidic device. *Electrophoresis*, **2006**, 27, 2951-9	3.6	20
116	Determination of Cytochrome C with Cellulose DNA Modified Carbon Paste Electrodes. *Electroanalysis*, **2004**, 16, 821-826	3	20
115	An all-solid-state monohydrogen phosphate sensor based on a macrocyclic ionophore. *Talanta*, **2010**, 82, 1107-12	6.2	19
114	Pt-Nanoparticle Incorporated Carbon Paste Electrode for the Determination of Cu(II) Ion by Anodic Stripping Voltammetry. *Electroanalysis*, **2007**, 19, 1160-1166	3	19
113	Polyterthiophene Appended by Organomolybdenum Sulfide Cluster: Electrochemical Synthesis and Electrochemical Properties of Poly[Mo2(C5H5)2{2:2-SC(R)C S[C4HS(C4H3S-2)2-2,5]}2]s. *Chemistry of Materials*, **2003**, 15, 825-827	9.6	19
112	Electrocatalytic Reduction of Molecular Oxygen Using a Poly(terthiophene carboxylic acid) Appended by 1,5-Diaminonaphthalene Copper Complex. *Journal of the Electrochemical Society*, **2002**, 149, E265	3.9	19
111	Catalytic properties of Au and Pd nanoparticles decorated on Cu2O microcubes for aerobic benzyl alcohol oxidation and SuzukiMiyaura coupling reactions in water. *Applied Catalysis A: General*, **2014**, 476, 72-77	5.1	18
110	Development of extraction and analytical methods of nitrite ion from food samples: microchip electrophoresis with a modified electrode. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 4051-7	5.7	18
109	Voltammetric analysis of anti-arthritis drug, ascorbic acid, tyrosine, and uric acid using a graphene decorated-functionalized conductive polymer electrode. *Electrochimica Acta*, **2014**, 139, 315-322	6.7	17
108	Long-life Heavy Metal Ions Sensor Based on Graphene Oxide-anchored Conducting Polymer. *Electroanalysis*, **2017**, 29, 514-520	3	17
107	Enhanced electrocatalytic reduction of oxygen with a molecule having multi-quinone moieties adsorbed in the nanofiber film. *Journal of Electroanalytical Chemistry*, **2009**, 632, 102-108	4.1	17
106	Repeated cocaine administration increases N-methyl-d-aspartate NR1 subunit, extracellular signal-regulated kinase and cyclic AMP response element-binding protein phosphorylation and glutamate release in the rat dorsal striatum. *European Journal of Pharmacology*, **2008**, 590, 157-62	5.3	17
105	Polyterthiophene conjugated by organomolybdenum complex (II): electropolymerization of erythro-[(5-C5H5)2Mo2(O)2(O){2:2-C(Ph)?C[C4HS(C4H3S-2)2-2,5]}]. *Journal of Organometallic Chemistry*, **2000**, 608, 133-138	2.3	17
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