

Yoon-Bo Shim, 이윤보

List of Publications by Year in descending order

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19636

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times ranked

11560
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe ₃ N decorated S/N doped carbon derived from a coordinated polymer as a bifunctional electrocatalyst for oxygen reduction and catecholamines oxidation. Carbon, 2022, 187, 1-12.	5.4	19
2	Disposable amperometric immunosensor with a dual monomers-based bioconjugate for granzyme B detection in blood and cancer progress monitoring of patients. Biosensors and Bioelectronics, 2022, 198, 113846.	5.3	10
3	Catalytic SrMoO ₄ nanoparticles and conducting polymer composite sensor for monitoring of K ⁺ -induced dopamine release from neuronal cells. Journal of Materials Chemistry B, 2022, 10, 728-736.	2.9	5
4	Spectroelectrochemical and Electrochromic Characterization of a Conductive Polymer Bearing Both Electron Donor and Acceptor Groups. Journal of the Electrochemical Society, 2022, 169, 020555.	1.3	4
5	Pair of chiral 2D silver(enantiomers): chiral recognition of L- and D-histidine via differential pulse voltammetry. Dalton Transactions, 2022, , .	1.6	4
6	Exosomal microRNAs array sensor with a bioconjugate composed of p53 protein and hydrazine for the specific lung cancer detection. Biosensors and Bioelectronics, 2022, 207, 114149.	5.3	16
7	Heteroatoms doped carbon decorated with tiny amount Pt nanoparticles as a bifunctional catalyst for hydrogen and chlorine generation from seawater. Carbon, 2022, 196, 621-632.	5.4	9
8	Fabrication of silver-grafted silica nano hybrids via aminosilane-inspired surface functionalization for enhanced electrochemical performance towards gastric cancer biomarker. Applied Surface Science, 2021, 541, 148517.	3.1	4
9	A novel DNA binding protein-based platform for electrochemical detection of miRNA. Analyst, The, 2021, 146, 5496-5501.	1.7	7
10	Hydrogen Evolution and Oxygen Reduction Reactions in Acidic Media Catalyzed by Pd ₄ S Decorated N/S Doped Carbon Derived from Pd Coordination Polymer. Small, 2021, 17, e2007511.	5.2	22
11	Design of Electrochemically Reduced Graphene Oxide/Titanium Disulfide Nanocomposite Sensor for Selective Determination of Ascorbic Acid. ACS Applied Nano Materials, 2021, 4, 10077-10089.	2.4	17
12	Fast Aptamer Generation Method Based on the Electrodynamical Microfluidic Channel and Evaluation of Aptamer Sensor Performance. Analytical Chemistry, 2021, 93, 1416-1422.	3.2	4
13	Enhanced Electrocatalytic Activities of In Situ Produced Pd/S/N-Doped Carbon in Oxygen Reduction and Hydrogen Evolution Reactions. ACS Applied Energy Materials, 2021, 4, 575-585.	2.5	20
14	A Sensor for Serotonin and Dopamine Detection in Cancer Cells Line Based on the Conducting Polymer/Pd Complex Composite. Electroanalysis, 2020, 32, 520-527.	1.5	16
15	Sensitive Detection of Motor Neuron Disease Derived Exosomal miRNA Using Electrocatalytic Activity of Gold-Loaded Superparamagnetic Ferric Oxide Nanocubes. ChemElectroChem, 2020, 7, 3459-3467.	1.7	16
16	Nanozyme-based electrochemical biosensors for disease biomarker detection. Analyst, The, 2020, 145, 4398-4420.	1.7	121
17	Microneedle array sensor for monitoring glucose in single cell using glucose oxidase-bonded polyterthiophene coated on AuZn oxide layer. Sensors and Actuators B: Chemical, 2020, 320, 128416.	4.0	21
18	Nano-biosensor for the in vitro lactate detection using bi-functionalized conducting polymer/N, S-doped carbon; the effect of CHC inhibitor on lactate level in cancer cell lines. Biosensors and Bioelectronics, 2020, 155, 112094.	5.3	25

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19	MicroRNAs in ovarian cancer and recent advances in the development of microRNA-based biosensors. <i>Analyst</i> , The, 2020, 145, 2038-2057.	1.7	42
20	Microfluidic neurotransmitters sensor in blood plasma with mediator-immobilized conducting polymer/N, S-doped porous carbon composite. <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128017.	4.0	30
21	Chiral Pd ₆ L ₈ Nanocube Pairs: Recognition of Chiral Amino Acids via Electrochemistry. <i>Inorganic Chemistry</i> , 2020, 59, 5808-5812.	1.9	9
22	A Disposable Amperometric Immunosensor for the Monitoring of Granzyme B in Blood Plasma Samples of Cancer Patients. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2815-2815.	0.0	0
23	(Keynote) Biosensor and Bioreactor Performance of a Chemically Modified Electrodynamic Microfluidic Channel. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2781-2781.	0.0	0
24	Separation detection of hemoglobin and glycated hemoglobin fractions in blood using the electrochemical microfluidic channel with a conductive polymer composite sensor. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111515.	5.3	22
25	Chromium(VI) sensor based on catalytic reduction using the nanoporous layer of poly(aminopyrimidyl-terthiophene) and AuNi composite. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127151.	4.0	10
26	Revisiting fluorescent carbon nanodots for environmental, biomedical applications and puzzle about fluorophore impurities. <i>Nano Structures Nano Objects</i> , 2019, 20, 100391.	1.9	9
27	Electrodynamic Force Derived in-Channel Separation and Detection of Au Nanoparticles Using an Electrochemical AC Microfluidic Channel. <i>Analytical Chemistry</i> , 2019, 91, 14109-14116.	3.2	7
28	Separation detection of different circulating tumor cells in the blood using an electrochemical microfluidic channel modified with a lipid-bonded conducting polymer. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111746.	5.3	27
29	Comparison of enzymatic and non-enzymatic glucose sensors based on hierarchical Au-Ni alloy with conductive polymer. <i>Biosensors and Bioelectronics</i> , 2019, 130, 48-54.	5.3	181
30	Au decorated core-shell structured Au@Pt for the glucose oxidation reaction. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 88-96.	4.0	71
31	Simultaneous detection of ATP metabolites in human plasma and urine based on palladium nanoparticle and poly(bromocresol green) composite sensor. <i>Biosensors and Bioelectronics</i> , 2019, 126, 758-766.	5.3	19
32	Continuous glucose monitoring using a microneedle array sensor coupled with a wireless signal transmitter. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 14-21.	4.0	76
33	Host-Guest Conversion: Transformation of Diiodomethane within 1D-Ensemble Suprachannels into Triiodide-Iodine Channel via Photoreaction. <i>Crystal Growth and Design</i> , 2018, 18, 1956-1960.	1.4	4
34	Performance comparison between multienzymes loaded single and dual electrodes for the simultaneous electrochemical detection of adenosine and metabolites in cancerous cells. <i>Biosensors and Bioelectronics</i> , 2018, 109, 263-271.	5.3	12
35	Detection of Rocuronium in Whole Blood Using a Lipid-bonded Conducting Polymer and Porous Carbon Composite Electrode. <i>Electroanalysis</i> , 2018, 30, 1425-1431.	1.5	4
36	Development of a bifunctional nanobiosensor for screening and detection of chemokine ligand in colorectal cancer cell line. <i>Biosensors and Bioelectronics</i> , 2018, 100, 396-403.	5.3	42

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37	Conducting polymer-based electrochemical biosensors for neurotransmitters: A review. <i>Biosensors and Bioelectronics</i> , 2018, 102, 540-552.	5.3	292
38	A selective glucose sensor based on direct oxidation on a bimetal catalyst with a molecular imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2018, 99, 471-478.	5.3	69
39	Microwave Assisted Synthesis of Hybrid Cu ₂ O Microcubes for Photocatalysis and Electrocatalysis. <i>Materials Today: Proceedings</i> , 2018, 5, 16390-16393.	0.9	11
40	Antimicrobial Properties of Sonochemically Treated Graphene Oxides Sheets. <i>Materials Today: Proceedings</i> , 2018, 5, 16669-16674.	0.9	1
41	Chiral Cyclodimeric Zinc(II) Complexes: Enantio-recognition via Differential Pulse Voltammetry. <i>Crystal Growth and Design</i> , 2018, 18, 6266-6272.	1.4	6
42	Ultrasensitive dual probe immunosensor for the monitoring of nicotine induced-brain derived neurotrophic factor released from cancer cells. <i>Biosensors and Bioelectronics</i> , 2018, 116, 108-115.	5.3	63
43	Magnetic force assisted electrochemical sensor for the detection of thrombin with aptamer-antibody sandwich formation. <i>Biosensors and Bioelectronics</i> , 2018, 117, 480-486.	5.3	69
44	Nicotine and tyrosine detection in blood and urine samples using taurine/reactive blue-immobilized conducting polymer composite. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 284-291.	4.0	9
45	Highly sensitive amperometric detection of cardiac troponin I using sandwich aptamers and screen-printed carbon electrodes. <i>Talanta</i> , 2017, 165, 442-448.	2.9	99
46	Detection of Nitric Oxide from Living Cells Using Polymeric Zinc Organic Framework-Derived Zinc Oxide Composite with Conducting Polymer. <i>Small</i> , 2017, 13, 1700502.	5.2	57
47	A potentiometric non-enzymatic glucose sensor using a molecularly imprinted layer bonded on a conducting polymer. <i>Biosensors and Bioelectronics</i> , 2017, 91, 276-283.	5.3	118
48	A disposable amperometric dual-sensor for the detection of hemoglobin and glycated hemoglobin in a finger prick blood sample. <i>Biosensors and Bioelectronics</i> , 2017, 91, 128-135.	5.3	67
49	Applications of conducting polymer composites to electrochemical sensors: A review. <i>Applied Materials Today</i> , 2017, 9, 419-433.	2.3	394
50	Electrochemical Detection of Hemoglobin: A Review. <i>Electroanalysis</i> , 2017, 29, 2190-2199.	1.5	33
51	Detection of Ca ²⁺ -induced acetylcholine released from leukemic T-cells using an amperometric microfluidic sensor. <i>Biosensors and Bioelectronics</i> , 2017, 98, 364-370.	5.3	39
52	Template Free Preparation of Heteroatoms Doped Carbon Spheres with Trace Fe for Efficient Oxygen Reduction Reaction and Supercapacitor. <i>Advanced Energy Materials</i> , 2017, 7, 1602002.	10.2	160
53	Graphene/conducting polymer nano-composite loaded screen printed carbon sensor for simultaneous determination of dopamine and 5-hydroxytryptamine. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 993-1002.	4.0	117
54	Long-life Heavy Metal Ions Sensor Based on Graphene Oxide-Anchored Conducting Polymer. <i>Electroanalysis</i> , 2017, 29, 514-520.	1.5	22

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55	Amperometric sensing of HIF1 α expressed in cancer cells and the effect of hypoxic mimicking agents. Biosensors and Bioelectronics, 2016, 83, 312-318.	5.3	22
56	Sensitive NADH detection in a tumorigenic cell line using a nano-biosensor based on the organic complex formation. Biosensors and Bioelectronics, 2016, 85, 488-495.	5.3	19
57	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.	7.8	85
58	Electroanalysis: Faster Processing and Greater Service. Electroanalysis, 2016, 28, 3-3.	1.5	0
59	Enhanced electrochemical sensing of leukemia cells using drug/lipid co-immobilized on the conducting polymer layer. Biosensors and Bioelectronics, 2016, 86, 33-40.	5.3	19
60	An amperometric nanobiosensor using a biocompatible conjugate for early detection of metastatic cancer cells in biological fluid. Biosensors and Bioelectronics, 2016, 85, 883-890.	5.3	70
61	Human hair-derived hollow carbon microfibers for electrochemical sensing. Carbon, 2016, 107, 872-877.	5.4	40
62	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.	5.2	26
63	Disposable all-solid-state pH and glucose sensors based on conductive polymer covered hierarchical AuZn oxide. Biosensors and Bioelectronics, 2016, 79, 165-172.	5.3	67
64	Gas Ion Implanted Electrode Prepared By the Electron Cyclotron Resonance Ion Source and Catalytic Effects. ECS Meeting Abstracts, 2016, , .	0.0	0
65	(Invited) Microfluidic Dual Sensors for In Vivo Measurement of Superoxide and Glutamate. ECS Meeting Abstracts, 2016, , .	0.0	0
66	Detection of Heavy Metal Ions Using a Long-Life Electrochemical Sensor Containing Conducting Polymer-Graphene Oxide Composite. ECS Meeting Abstracts, 2016, , .	0.0	0
67	The Electrochemical Nitrite Ion Sensor Using a Neuroglobin Bonded on Conducting Polymer. ECS Meeting Abstracts, 2016, , .	0.0	0
68	Microarray Needle Sensor Composite Conducting Polymer Coated on Au/Zn Oxide Layer for Continuous Glucose Detection in Cells. ECS Meeting Abstracts, 2016, , .	0.0	0
69	A Simple and Fast SELEX Using an Alternating Current Potential Modulated Microfluidic Channel and an Evaluation of Sensing Ability of Aptamers. ECS Meeting Abstracts, 2016, , .	0.0	0
70	Thrombin Detection with Tetrabromophenolphthalein Ethyl Ester Adsorbed on Aptamer-attached Conductive Polymer. Journal of the Korean Electrochemical Society, 2016, 19, 134-140.	0.1	0
71	Implantable nonenzymatic glucose/O ₂ micro film fuel cells assembled with hierarchical AuZn electrodes. Chemical Communications, 2015, 51, 6659-6662.	2.2	11
72	Thanks for Your Support, and Looking Ahead. Electroanalysis, 2015, 27, 2-2.	1.5	0

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73	Facile potentiostatic preparation of functionalized polyterthiophene-anchored graphene oxide as a metal-free electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5426-5433.	5.2	35
74	Bioinformatic Techniques on Marine Genomics. , 2015, , 295-306.		0
75	Simultaneous analysis of dopamine and 5-hydroxyindoleacetic acid at nanogold modified screen printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 72-81.	4.0	34
76	Ultrasensitive cytosensing based on an aptamer modified nanobiosensor with a bioconjugate: Detection of human non-small-cell lung cancer cells. <i>Biosensors and Bioelectronics</i> , 2015, 74, 594-600.	5.3	64
77	Analysis of Phthalate Esters in Mammalian Cell Culture Using a Microfluidic Channel Coupled with an Electrochemical Sensor. <i>Analytical Chemistry</i> , 2015, 87, 7069-7077.	3.2	18
78	Simultaneous determination of ascorbic acid, dopamine, uric acid and folic acid based on activated graphene/MWCNT nanocomposite loaded Au nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 659-665.	4.0	146
79	An amperometric nanobiosensor for the selective detection of K ⁺ -induced dopamine released from living cells. <i>Biosensors and Bioelectronics</i> , 2015, 68, 421-428.	5.3	74
80	Dopamine D4 receptors linked to protein kinase G are required for changes in dopamine release followed by locomotor activity after repeated cocaine administration. <i>Experimental Brain Research</i> , 2015, 233, 1511-1518.	0.7	7
81	Ultrasensitive detection of drug resistant cancer cells in biological matrixes using an amperometric nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2015, 70, 418-425.	5.3	78
82	Glutaraldehyde sandwiched amino functionalized polymer based aptasensor for the determination and quantification of chloramphenicol. <i>RSC Advances</i> , 2015, 5, 69356-69364.	1.7	19
83	A disposable chronocoulometric sensor for heavy metal ions using a diamino-terthiophene-modified electrode doped with graphene oxide. <i>Analytica Chimica Acta</i> , 2015, 892, 77-84.	2.6	52
84	Catalytic properties of Au and Pd nanoparticles decorated on Cu ₂ O microcubes for aerobic benzyl alcohol oxidation and Suzuki-Miyaura coupling reactions in water. <i>Applied Catalysis A: General</i> , 2014, 476, 72-77.	2.2	20
85	Nonenzymatic H ₂ O ₂ sensing based on silver nanoparticles capped polyterthiophene/MWCNT nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 51-58.	4.0	58
86	Chiral Recognition of Proline Enantiomers by the Catalytic Oxygen Reduction and Formation of Cu(II)-Polymer Complex Crystals. <i>Electroanalysis</i> , 2014, 26, 2110-2117.	1.5	2
87	A novel nanogold-single wall carbon nanotube modified sensor for the electrochemical determination of 8-hydroxyguanine, a diabetes risk biomarker. <i>Bioelectrochemistry</i> , 2014, 99, 24-29.	2.4	13
88	Voltammetric analysis of anti-arthritis drug, ascorbic acid, tyrosine, and uric acid using a graphene decorated-functionalized conductive polymer electrode. <i>Electrochimica Acta</i> , 2014, 139, 315-322.	2.6	20
89	Selective nonenzymatic bilirubin detection in blood samples using a Nafion/Mn-Cu sensor. <i>Biosensors and Bioelectronics</i> , 2014, 61, 554-561.	5.3	41
90	Polyrotaxaned versus Interdigitated Super-Arrays of Loop-and-Chain Strands: Role of the Anion in Formation of Silver(0) Particles. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5530-5535.	1.0	2

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91	Protein Kinase G Regulates Dopamine Release, β -FosB Expression, and Locomotor Activity After Repeated Cocaine Administration: Involvement of Dopamine D2 Receptors. <i>Neurochemical Research</i> , 2013, 38, 1424-1433.	1.6	15
92	Protein kinase G linked to dopamine D3 receptors in the dorsal striatum controls dopamine release, β -FosB expression and locomotor activity after repeated cocaine administration. <i>Neuroscience Letters</i> , 2013, 541, 120-125.	1.0	9
93	Microwave-Assisted One-Pot Synthesis of Metal-Free Nitrogen and Phosphorus Dual-Doped Nanocarbon for Electrocatalysis and Cell Imaging. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 557-564.	1.2	70
94	Electron-Transfer Mediator for a NAD-Glucose Dehydrogenase-Based Glucose Sensor. <i>Analytical Chemistry</i> , 2013, 85, 11643-11649.	3.2	68
95	Chromatography-Based Determination of Anabolic Steroids in Biological Fluids: Future Prospects Using Electrochemistry and Miniaturized Microchip Device. <i>Chromatographia</i> , 2013, 76, 1439-1448.	0.7	3
96	Advanced stent coating for drug delivery and in vivo biocompatibility. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	14
97	An All Solid State Potentiometric Sensor for Monohydrogen Phosphate Ions. <i>Electroanalysis</i> , 2013, 25, 1864-1870.	1.5	17
98	Ultrasensitive and Selective Electrochemical Diagnosis of Breast Cancer Based on a Hydrazine-Au Nanoparticle-Aptamer Bioconjugate. <i>Analytical Chemistry</i> , 2013, 85, 1058-1064.	3.2	277
99	Cancer cell detection based on the interaction between an anticancer drug and cell membrane components. <i>Chemical Communications</i> , 2013, 49, 1900.	2.2	87
100	Spectroelectrochemical and electrochromic behaviors of newly synthesized poly[$2,2'$ -bis(2-aminopyrimidyl)-5,5'-terthiophene]. <i>Electrochimica Acta</i> , 2013, 104, 322-329.	2.6	23
101	Detection of norfloxacin and monitoring its effect on caffeine catabolism in urine samples. <i>Biosensors and Bioelectronics</i> , 2013, 47, 307-312.	5.3	49
102	A review on determination of steroids in biological samples exploiting nanobio-electroanalytical methods. <i>Analytica Chimica Acta</i> , 2013, 762, 14-24.	2.6	65
103	Disposable Amperometric Glycated Hemoglobin Sensor for the Finger Prick Blood Test. <i>Analytical Chemistry</i> , 2013, 85, 6536-6543.	3.2	67
104	Construction of right-handed-, left-handed-, and racemic helical coordination polymers. Enantioselective recognition using chiral helical crystals. <i>Chemical Communications</i> , 2013, 49, 4000.	2.2	30
105	Investigation on the downregulation of dopamine by acetaminophen administration based on their simultaneous determination in urine. <i>Biosensors and Bioelectronics</i> , 2013, 39, 139-144.	5.3	77
106	Simultaneous detection of antibacterial sulfonamides in a microfluidic device with amperometry. <i>Biosensors and Bioelectronics</i> , 2013, 39, 204-209.	5.3	43
107	Applications of Conductive Polymers to Electrochemical Sensors and Energy Conversion Electrodes. <i>Journal of Electrochemical Science and Technology</i> , 2013, 4, 125-139.	0.9	6
108	A Selective Catalytic Oxidation of Ascorbic Acid at the Aminopyrimidyl Functionalized-Conductive Polymer Electrode. <i>Electroanalysis</i> , 2013, 25, 1178-1184.	1.5	11

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109	Synthesis and Evaluation of the Cytotoxic Activities of Some Isatin Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 1105-1113.	0.6	9
110	Applications of Conductive Polymers to Electrochemical Sensors and Energy Conversion Electrodes. <i>Journal of Electrochemical Science and Technology</i> , 2013, 4, 125-139.	0.9	6
111	Carbon Monoxide Sensor Based on a B2HDDT-doped PEDOT:PSS Layer. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 2291-2296.	1.0	11
112	The electrochemical sensor for methanol detection using silicon epoxy coated platinum nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 45-50.	4.0	39
113	Stability and Sensitivity Enhanced Electrochemical In Vivo Superoxide Microbiosensor Based on Covalently Co-immobilized Lipid and Cytochrome C. <i>Analytical Chemistry</i> , 2012, 84, 6654-6660.	3.2	36
114	A Simple Separation Method with a Microfluidic Channel Based on Alternating Current Potential Modulation. <i>Analytical Chemistry</i> , 2012, 84, 9738-9744.	3.2	25
115	Label-free detection of kanamycin based on the aptamer-functionalized conducting polymer/gold nanocomposite. <i>Biosensors and Bioelectronics</i> , 2012, 36, 29-34.	5.3	215
116	Electrochemical Evaluation of Binding Affinity for Aptamer Selection Using the Microarray Chip. <i>Electroanalysis</i> , 2012, 24, 1057-1064.	1.5	24
117	Application of a Cu-Co alloy dendrite on glucose and hydrogen peroxide sensors. <i>Electrochimica Acta</i> , 2012, 61, 36-43.	2.6	156
118	Electrochemical characterization of newly synthesized polyterthiophene benzoate and its applications to an electrochromic device and a photovoltaic cell. <i>Electrochimica Acta</i> , 2012, 67, 201-207.	2.6	36
119	In vivo detection of glutathione disulfide and oxidative stress monitoring using a biosensor. <i>Biomaterials</i> , 2012, 33, 2600-2607.	5.7	66
120	In vitro monitoring of i-NOS concentrations with an immunosensor: The inhibitory effect of endocrine disruptors on i-NOS release. <i>Biosensors and Bioelectronics</i> , 2012, 32, 278-282.	5.3	55
121	A highly sensitive aptasensor towards Plasmodium lactate dehydrogenase for the diagnosis of malaria. <i>Biosensors and Bioelectronics</i> , 2012, 35, 291-296.	5.3	91
122	Synthesis and Catalytic Hydrogen Transfer Reaction of Ruthenium(II) Complex. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 319-321.	1.0	4
123	The Interaction of CO to the Co(salen) Complex in to PEDOT:PSS Film and Sensor Application. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1297-1302.	1.0	7
124	Electrochemical Degradation of Phenol and 2-Chlorophenol Using Pt/Ti and Boron-Doped Diamond Electrodes. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2274-2278.	1.0	14
125	Response to the Comment on "Electrochemical Detection of Peroxynitrite Using a Biosensor Based on a Conducting Polymer-Manganese Ion Complex". <i>Analytical Chemistry</i> , 2011, 83, 5465-5466.	3.2	2
126	Electropolymerized Self-Assembled Layer on Gold Nanoparticles: Detection of Inducible Nitric Oxide Synthase in Neuronal Cell Culture. <i>Analytical Chemistry</i> , 2011, 83, 6177-6183.	3.2	72

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127	A novel Mg(II)-selective sensor based on 5,10,15,20-tetrakis(2-furyl)-21,23-dithiaporphyrin as an electroactive material. <i>Journal of Electroanalytical Chemistry</i> , 2011, 661, 25-30.	1.9	16
128	Interactions of Dopamine D1 and N-methyl-D-Aspartate Receptors Are Required for Acute Cocaine-Evoked Nitric Oxide Efflux in the Dorsal Striatum. <i>Experimental Neurobiology</i> , 2011, 20, 116-122.	0.7	11
129	Comparison of solar cell performance of conducting polymer dyes with different functional groups. <i>Journal of Power Sources</i> , 2011, 196, 8874-8880.	4.0	22
130	Separation and simultaneous detection of anticancer drugs in a microfluidic device with an amperometric biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 28, 326-332.	5.3	61
131	Ag(I)-cysteamine complex based electrochemical stripping immunoassay: Ultrasensitive human IgG detection. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4429-4435.	5.3	28
132	A Glucose Sensor Based on an Aminophenyl Boronic Acid Bonded Conducting Polymer. <i>Electroanalysis</i> , 2011, 23, 2036-2041.	1.5	34
133	Detection of daunomycin using phosphatidylserine and aptamer co-immobilized on Au nanoparticles deposited conducting polymer. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4442-4449.	5.3	137
134	Electrochemical Polymerization of Ruthenium(II) Complex and Application to Acetaminophen Analysis. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 1341-1345.	1.0	9
135	Repeated cocaine administration increases nitric oxide efflux in the rat dorsal striatum. <i>Psychopharmacology</i> , 2010, 208, 245-256.	1.5	30
136	Amplification strategy based on gold nanoparticle-decorated carbon nanotubes for neomycin immunosensors. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1002-1008.	5.3	71
137	Electrochromic and electrochemical properties of 3-pyridinyl and 1,10-phenanthroline bearing poly(2,5-di(2-thienyl)-1H-pyrrole) derivatives. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1286-1292.	3.0	68
138	Direct Electrochemistry of Cholesterol Oxidase Immobilized on a Conducting Polymer: Application for a Cholesterol Biosensor. <i>Electroanalysis</i> , 2010, 22, 21-25.	1.5	48
139	Improved Performance of an Amperometric Biosensor with Polydiaminonaphthalene on Electrochemically Deposited Au Nanoparticles. <i>Electroanalysis</i> , 2010, 22, 632-638.	1.5	15
140	An Amperometric Immunosensor for IgG Based on Conducting Polymer and Carbon Nanotube-Linked Hydrazine Label. <i>Electroanalysis</i> , 2010, 22, 2908-2914.	1.5	15
141	Total analysis of endocrine disruptors in a microchip with gold nanoparticles. <i>Electrophoresis</i> , 2010, 31, 3053-3060.	1.3	28
142	Electron transfer kinetics and morphology of cytochrome c at the biomimetic phospholipid layers. <i>Journal of Electroanalytical Chemistry</i> , 2010, 644, 36-43.	1.9	9
143	Conjugated polymers and an iron complex as electrocatalytic materials for an enzyme-based biofuel cell. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1735-1741.	5.3	24
144	An amperometric chloramphenicol immunosensor based on cadmium sulfide nanoparticles modified-dendrimer bonded conducting polymer. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1781-1788.	5.3	98

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