

# Arzum Erdem

## List of Publications by Year in descending order

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201  
papers

8,091  
citations

50276

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60623

81  
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202  
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202  
docs citations

202  
times ranked

5900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Surface Plasmon Resonance Aptasensor for Human Activated Protein C Sensing. <i>Methods in Molecular Biology</i> , 2022, 2393, 37-56.	0.9	2
2	Electrochemical Monitoring of Interaction of Temozolamide with DNA by Graphene Oxide Modified Single-Use Electrodes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 026513.	2.9	4
3	Impedimetric detection of miRNA biomarkers using paper-based electrodes modified with bulk crystals or nanosheets of molybdenum disulfide. <i>Talanta</i> , 2022, 241, 123233.	5.5	18
4	Graphene-Oxide and Ionic Liquid Modified Electrodes for Electrochemical Sensing of Breast Cancer 1 Gene. <i>Biosensors</i> , 2022, 12, 95.	4.7	12
5	Amperometric immunosensor developed for sensitive detection of SARS-CoV-2 spike S1 protein in combined with portable device. <i>Talanta</i> , 2022, 244, 123422.	5.5	20
6	Electrochemical detection of interaction between daunorubicin and DNA by hybrid nanoflowers modified graphite electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129120.	7.8	23
7	Levan modified DNA biosensor for voltammetric detection of daunorubicin-DNA interaction. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128818.	7.8	17
8	Hybrid nanoflowers modified pencil graphite electrodes developed for electrochemical monitoring of interaction between Mitomycin C and DNA. <i>Talanta</i> , 2021, 222, 121647.	5.5	19
9	Paper-based electrode assemble for impedimetric detection of miRNA. <i>Talanta</i> , 2021, 225, 122043.	5.5	21
10	Impedimetric aptasensor for lysozyme detection based on carbon nanofibres enriched screen-printed electrodes. <i>Electrochimica Acta</i> , 2021, 377, 138078.	5.2	17
11	Cobalt Phthalocyanine-Ionic Liquid Composite Modified Electrodes for the Voltammetric Detection of DNA Hybridization Related to Hepatitis B Virus. <i>Micromachines</i> , 2021, 12, 753.	2.9	3
12	Preparation and characterization gallic acid-titanium dioxide nanocomposites for biosensing application on voltammetric detection of DNA. <i>Journal of Electroanalytical Chemistry</i> , 2021, 892, 115262.	3.8	8
13	Paper-Based Electrochemical Biosensors for Voltammetric Detection of miRNA Biomarkers Using Reduced Graphene Oxide or MoS2 Nanosheets Decorated with Gold Nanoparticle Electrodes. <i>Biosensors</i> , 2021, 11, 236.	4.7	42
14	Electrochemical Investigation of Curcuminâ€“DNA Interaction by Using Hydroxyapatite Nanoparticlesâ€“Ionic Liquids Based Composite Electrodes. <i>Materials</i> , 2021, 14, 4344.	2.9	9
15	Recent Applications of Nanomaterials Based on Electrochemical Drug Analysis. <i>Current Analytical Chemistry</i> , 2021, 17, 1215-1228.	1.2	0
16	Detection of Senecionine in Dietary Sources by Single-Use Electrochemical Sensor. <i>Micromachines</i> , 2021, 12, 1585.	2.9	8
17	Ionic Liquid Modified Singleâ€“use Electrode Developed for Voltammetric Detection of miRNAâ€“34a and its Application to Real Samples. <i>Electroanalysis</i> , 2020, 32, 384-393.	2.9	12
18	Voltammetric detection of globulin with ionic liquid modified electrodes. <i>Microchemical Journal</i> , 2020, 153, 104331.	4.5	3

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19	Impedimetric Sensing of Factor V Leiden Mutation by Zip Nucleic Acid Probe and Electrochemical Array. <i>Biosensors</i> , 2020, 10, 116.	4.7	5
20	Voltammetric detection of miRNA hybridization based on electroactive indicator-cobalt phenanthroline. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 819-825.	7.5	12
21	Fast enzyme-linked electrochemical sensing of DNA hybridization at pencil graphite electrodes. Application to detect gene deletion in a human cell culture. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 113951.	3.8	3
22	Carbon quantum dot modified electrodes developed for electrochemical monitoring of Daunorubicin-DNA interaction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114011.	3.8	18
23	Impedimetric detection of Fumonisin B1 and its biointeraction with fsDNA. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 1117-1122.	7.5	11
24	Voltammetric and Impedimetric Detection of Interaction Between Dacarbazine and Nucleic Acids. <i>Electroanalysis</i> , 2019, 31, 2012-2019.	2.9	9
25	Nanomaterials-Enriched Nucleic Acid-Based Biosensors. , 2019, , 303-325.		1
26	PAMAM dendrimer modified screen printed electrodes for impedimetric detection of miRNA-34a. <i>Microchemical Journal</i> , 2019, 148, 748-758.	4.5	23
27	ZNA probe immobilized single-use electrodes for impedimetric detection of nucleic acid hybridization related to single nucleotide mutation. <i>Analytica Chimica Acta</i> , 2019, 1071, 78-85.	5.4	9
28	Single-use sensor technology for monitoring of zearalenone in foods: ZentoSens. <i>Microchemical Journal</i> , 2019, 147, 37-42.	4.5	22
29	Eco-friendly Sensors Developed by Herbal Based Silver Nanoparticles for Electrochemical Detection of Mercury (II) Ion. <i>Electroanalysis</i> , 2019, 31, 1075-1082.	2.9	48
30	Zip nucleic acid based single-use biosensor for electrochemical detection of Factor V Leiden mutation. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 634-640.	7.8	10
31	Enzymatic/Immunoassay Dual-Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. <i>Angewandte Chemie</i> , 2019, 131, 6442-6445.	2.0	70
32	Enzymatic/Immunoassay Dual-Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6376-6379.	13.8	106
33	Electrochemical Detection of Solution Phase Hybridization Related to Single Nucleotide Mutation by Carbon Nanofibers Enriched Electrodes. <i>Materials</i> , 2019, 12, 3377.	2.9	9
34	Magnetic beads assay based on Zip nucleic acid for electrochemical detection of Factor V Leiden mutation. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 839-846.	7.5	6
35	Chitosan modified graphite electrodes developed for electrochemical monitoring of interaction between daunorubicin and DNA. <i>Sensing and Bio-Sensing Research</i> , 2019, 22, 100255.	4.2	19
36	Surface plasmon resonance aptasensor for detection of human activated protein C. <i>Talanta</i> , 2019, 194, 528-533.	5.5	47

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37	Investigation of Vipera Anatolica Venom Disintegrin via Intracellular Uptake with Radiolabeling Study and Cell-Based Electrochemical Biosensing Assay. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1539-1550.	2.9	6
38	Label-Free Electrochemical Detection of DNA Hybridization Related to Anthrax Lethal Factor by using Carbon Nanotube Modified Sensors. <i>Current Analytical Chemistry</i> , 2019, 15, 502-510.	1.2	4
39	Chitosan/Nitrogen Doped Reduced Graphene Oxide Modified Biosensor for Impedimetric Detection of microRNA. <i>Electroanalysis</i> , 2018, 30, 551-560.	2.9	27
40	Electrochemical detection of microRNAs by graphene oxide modified disposable graphite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 232-238.	3.8	14
41	Electrochemical Determination of 6-Thioguanine and Its Interaction with DNA Oligonucleotides Using Disposable Graphite Pencil Electrodes. <i>Analytical Letters</i> , 2018, 51, 265-278.	1.8	8
42	Hydroxyapatite Nanoparticles Modified Graphite Electrodes for Electrochemical DNA Detection. <i>Electroanalysis</i> , 2018, 30, 67-74.	2.9	20
43	microRNA biosensors: Opportunities and challenges among conventional and commercially available techniques. <i>Biosensors and Bioelectronics</i> , 2018, 99, 525-546.	10.1	220
44	An Impedimetric Biosensor Based on Ionic Liquid-Modified Graphite Electrodes Developed for microRNA-34a Detection. <i>Sensors</i> , 2018, 18, 2868.	3.8	15
45	Electrochemical Detection of Interaction between Dacarbazine and Nucleic Acids in Comparison to Agarose Gel Electrophoresis. <i>Electroanalysis</i> , 2018, 30, 1566-1574.	2.9	14
46	Dendrimers Integrated Biosensors for Healthcare Applications. , 2018, , 307-317.		7
47	Electrochemical Detection of SNP in Human Mitochondrial DNA Using Cyclic Primer Extension with Biotinylated Nucleotides and Enzymatic Labeling at Disposable Pencil Graphite Electrodes. <i>Electroanalysis</i> , 2018, 30, 2321-2329.	2.9	5
48	Impedimetric detection of miRNA-34a using graphene oxide modified chemically activated graphite electrodes. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 493-500.	4.1	28
49	Graphene oxide modified single-use electrodes and their application for voltammetric miRNA analysis. <i>Materials Science and Engineering C</i> , 2017, 75, 1242-1249.	7.3	44
50	Graphene Oxide Modified Chemically Activated Graphite Electrodes for Detection of microRNA. <i>Electroanalysis</i> , 2017, 29, 1350-1358.	2.9	28
51	Electrochemical monitoring of biointeraction by graphene-based material modified pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , 2017, 92, 207-214.	10.1	40
52	Electrochemical detection of interaction between capsaicin and nucleic acids in comparison to agarose gel electrophoresis. <i>Analytical Biochemistry</i> , 2017, 535, 56-62.	2.4	8
53	Carbon Nanotubes Modified Graphite Electrodes for Monitoring of Biointeraction Between 6- $\beta$ -Thioguanine and DNA. <i>Electroanalysis</i> , 2017, 29, 2292-2299.	2.9	13
54	Carboxylated-Graphene Decorated Pencil Graphite Electrode as a Platform for Voltammetric Detection of DNA. <i>Journal of the Electrochemical Society</i> , 2017, 164, B723-B729.	2.9	8

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55	CUPRAC colorimetric and electroanalytical methods determining antioxidant activity based on prevention of oxidative DNA damage. <i>Analytical Biochemistry</i> , 2017, 518, 69-77.	2.4	9
56	Development of amino functionalized carbon coated magnetic nanoparticles and their application to electrochemical detection of hybridization of nucleic acids. <i>Talanta</i> , 2017, 164, 175-182.	5.5	25
57	Electrochemical detection of DNA interaction with Mannich base derivatives by disposable graphite electrodes. <i>Turkish Journal of Chemistry</i> , 2017, 41, 40-47.	1.2	1
58	Chitosan-carbon Nanofiber Modified Single-Use Graphite Electrodes Developed for Electrochemical Detection of DNA Hybridization Related to Hepatitis B Virus. <i>Electroanalysis</i> , 2016, 28, 2514-2521.	2.9	18
59	Impedimetric detection of pathogenic bacteria with bacteriophages using gold nanorod deposited graphite electrodes. <i>RSC Advances</i> , 2016, 6, 97832-97839.	3.6	35
60	Intracellular uptake study of radiolabeled anticancer drug and impedimetric detection of its interaction with DNA. <i>Talanta</i> , 2016, 160, 157-163.	5.5	27
61	Label-Free Electrochemical Detection of MicroRNA-122 in Real Samples by Graphene Modified Disposable Electrodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, B227-B233.	2.9	26
62	Voltammetric detection of sequence-selective DNA hybridization related to <i>Toxoplasma gondii</i> in PCR amplicons. <i>Talanta</i> , 2016, 149, 244-249.	5.5	18
63	Voltammetric Aptasensor Based on Magnetic Beads Assay for Detection of Human Activated Protein C. <i>Methods in Molecular Biology</i> , 2016, 1380, 163-170.	0.9	1
64	Aptasensor Technologies Developed for Detection of Toxins. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 249-259.	0.5	0
65	Impedimetric Aptasensor Based on Disposable Graphite Electrodes Developed for Thrombin Detection. <i>Electroanalysis</i> , 2015, 27, 2864-2871.	2.9	14
66	Multiwalled Carbon Nanotubes-Chitosan Modified Single-Use Biosensors for Electrochemical Monitoring of Drug-DNA Interactions. <i>Electroanalysis</i> , 2015, 27, 1855-1863.	2.9	37
67	Detection of p53 Gene by Using Genomagnetic Assay Combined with Carbon Nanotube Modified Disposable Sensor Technology. <i>Electroanalysis</i> , 2015, 27, 1579-1586.	2.9	9
68	Voltammetric and Impidimetric Detection of Anticancer Drug Mitomycin C and DNA Interaction by Using Carbon Nanotubes Modified Electrodes. <i>Current Bionanotechnology</i> , 2015, 1, 32-36.	0.6	3
69	Development of Ionic Liquid Modified Disposable Graphite Electrodes for Label-Free Electrochemical Detection of DNA Hybridization Related to <i>Microcystis</i> spp.. <i>Sensors</i> , 2015, 15, 22737-22749.	3.8	18
70	Iron(III) and nickel(II) complexes as potential anticancer agents: synthesis, physicochemical and structural properties, cytotoxic activity and DNA interactions. <i>New Journal of Chemistry</i> , 2015, 39, 5643-5653.	2.8	57
71	Electrochemical monitoring of the interaction between Temozolamide and nucleic acids by using disposable pencil graphite electrodes. <i>Talanta</i> , 2015, 144, 809-815.	5.5	20
72	Electrochemical Detection of a Cancer Biomarker mir-21 in Cell Lysates Using Graphene Modified Sensors. <i>Electroanalysis</i> , 2015, 27, 317-326.	2.9	47

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73	PAMAM dendrimer functionalized magnetic particles developed for voltammetric DNA analysis. <i>Journal of Electroanalytical Chemistry</i> , 2015, 741, 51-55.	3.8	9
74	Preparation of gold nanoparticles/single-walled carbon nanotubes/polyaniline composite-coated electrode developed for DNA detection. <i>Polymer Bulletin</i> , 2015, 72, 3135-3146.	3.3	18
75	Oxytocin imprinted polymer based surface plasmon resonance sensor and its application to milk sample. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 842-848.	7.8	37
76	Electrochemical monitoring of the interaction between mitomycin C and DNA at chitosan-carbon nanotube composite modified electrodes. <i>Turkish Journal of Chemistry</i> , 2015, 39, 1-12.	1.2	16
77	Impedimetric Detection of microRNA at Graphene Oxide Modified Sensors. <i>Electrochimica Acta</i> , 2015, 172, 20-27.	5.2	54
78	Enzyme-linked electrochemical detection of DNA fragments amplified by PCR in the presence of a biotinylated deoxynucleoside triphosphate using disposable pencil graphite electrodes. <i>Monatshefte für Chemie</i> , 2015, 146, 849-855.	1.8	7
79	Gold nanoparticle/polymer nanocomposite for highly sensitive drug-DNA interaction. <i>Analyst</i> , The, 2015, 140, 2876-2880.	3.5	25
80	Electrochemical assay for determination of gluten in flour samples. <i>Food Chemistry</i> , 2015, 184, 183-187.	8.2	20
81	Indicator-free electrochemical biosensor for microRNA detection based on carbon nanofibers modified screen printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015, 755, 167-173.	3.8	49
82	Aptasensor platform based on carbon nanofibers enriched screen printed electrodes for impedimetric detection of thrombin. <i>Journal of Electroanalytical Chemistry</i> , 2015, 758, 12-19.	3.8	21
83	Electrochemical detection of N-homocysteinyllated BSA in the fetal bovine serum medium. <i>RSC Advances</i> , 2015, 5, 4774-4779.	3.6	1
84	Electrochemical investigation of the interaction between topotecan and DNA at disposable graphite electrodes. <i>Bioelectrochemistry</i> , 2015, 102, 21-28.	4.6	48
85	Zinc Oxide Nanowire Decorated Single-Use Electrodes for Electrochemical DNA Detection. <i>Journal of the American Ceramic Society</i> , 2015, 98, 663-668.	3.8	9
86	Electrochemical Determination of Homocysteine at Disposable Graphite Electrodes. <i>Electroanalysis</i> , 2014, 26, 1945-1951.	2.9	7
87	DNA Biosensors. <i>Nanostructure Science and Technology</i> , 2014, , 313-330.	0.1	3
88	Electrochemical Detection of Activated Protein C Using an Aptasensor Based on PAMAM Dendrimer Modified Pencil Graphite Electrodes. <i>Electroanalysis</i> , 2014, 26, 2580-2590.	2.9	13
89	Voltammetric and impedimetric detection of DNA hybridization by using dendrimer modified graphite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 92-97.	3.8	18
90	Dendrimer enriched single-use aptasensor for impedimetric detection of activated protein C. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 338-345.	5.0	21

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91	Voltammetric aptasensor combined with magnetic beads assay developed for detection of human activated protein C. <i>Talanta</i> , 2014, 128, 428-433.	5.5	23
92	Label-free voltammetric detection of MicroRNAs at multi-channel screen printed array of electrodes comparison to graphite sensors. <i>Talanta</i> , 2014, 118, 7-13.	5.5	44
93	Chitosan-ionic liquid modified single-use sensor for electrochemical monitoring of sequence-selective DNA hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 261-268.	5.0	29
94	Dendrimer modified 8-channel screen-printed electrochemical array system for impedimetric detection of activated protein C. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 168-174.	7.8	30
95	Electrochemical monitoring of surface confined interaction between 6-Thioguanine and DNA by using single-use graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 733, 33-38.	3.8	14
96	Succinamic acid functionalized PAMAM dendrimer modified pencil graphite electrodes for voltammetric and impedimetric DNA analysis. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 59-64.	7.8	13
97	Chitosan-graphene oxide based aptasensor for the impedimetric detection of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 205-211.	5.0	97
98	Voltammetric and impedimetric DNA detection at single-use graphite electrodes modified with gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 61-66.	5.0	13
99	Genomagnetic assay for electrochemical detection of osteogenic differentiation in mesenchymal stem cells. <i>Analyst</i> , The, 2013, 138, 5424.	3.5	20
100	Multi channel screen printed array of electrodes for enzyme-linked voltammetric detection of MicroRNAs. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1089-1095.	7.8	43
101	Chitosan/Ionic Liquid Composite Electrode for Electrochemical Monitoring of the Surface-Confined Interaction Between Mitomycin C and DNA. <i>Electroanalysis</i> , 2013, 25, 2321-2329.	2.9	28
102	Impedimetric detection of in situ interaction between anti-cancer drug bleomycin and DNA. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 295-301.	7.5	48
103	A Novel and Selective Methylene Blue Imprinted Polymer Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2013, 25, 1278-1285.	2.9	12
104	Electrochemical characterization of redox polymer modified electrode developed for monitoring of adenine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 1-6.	5.0	10
105	Micro- and Nanopatterning for Bacteria- and Virus-Based Biosensing Applications. <i>Series in Sensors</i> , 2013, , 681-694.	0.0	1
106	Estrone Specific Molecularly Imprinted Polymeric Nanospheres: Synthesis, Characterization and Applications for Electrochemical Sensor Development. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 503-510.	1.1	14
107	Electrochemical Determination of Glutathione in Plasma at Carbon Nanotubes Based Screen Printed Electrodes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 695-701.	1.1	11
108	Molecularly Imprinted Polymer-Based Biosensors. <i>Series in Sensors</i> , 2013, , 373-394.	0.0	1

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109	Synthesis and characterization of water-insoluble statistical copolymer and its application in the development of electrochemical DNA sensor. <i>Talanta</i> , 2012, 100, 270-275.	5.5	2
110	Sensitive sepiolite-carbon nanotubes based disposable electrodes for direct detection of DNA and anticancer drugâ€™DNA interactions. <i>Analyst, The</i> , 2012, 137, 4001.	3.5	31
111	Electrochemical Biosensors for Screening of Toxins and Pathogens. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012, , 323-334.	0.5	1
112	Electrochemical sensing of label free DNA hybridization related to breast cancer 1 gene at disposable sensor platforms modified with single walled carbon nanotubes. <i>Electrochimica Acta</i> , 2012, 82, 137-142.	5.2	65
113	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin Câ€™DNA interaction. <i>Analyst, The</i> , 2012, 137, 2129.	3.5	79
114	Label-free impedimetric aptasensor for lysozyme detection based on carbon nanotube-modified screen-printed electrodes. <i>Analytical Biochemistry</i> , 2012, 421, 454-459.	2.4	114
115	Single-walled carbon nanotubes-polymer modified graphite electrodes for DNA hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 77-83.	5.0	24
116	5-Amino-2-mercapto-1,3,4-thidiazole modified single-use sensors for electrochemical DNA analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 93, 116-120.	5.0	8
117	Electrochemical monitoring of indicator-free DNA hybridization by carbon nanotubesâ€™chitosan modified disposable graphite sensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 222-228.	5.0	43
118	Singleâ€™Use Sensor Platforms Based on Carbon Nanotubes for Electrochemical Detection of DNA Hybridization Related to <i>Microcystis</i> spp.. <i>Electroanalysis</i> , 2012, 24, 502-511.	2.9	29
119	Nanomaterials Based Sensor Development Towards Electrochemical Sensing of Biointeractions. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012, , 165-169.	0.5	0
120	Chapter 2. Nucleic Acids as Biorecognition Element in Biosensor Development. , 2011, , 17-33.		1
121	Dendrimer modified graphite sensors for detection of anticancer drug Daunorubicin by voltammetry and electrochemical impedance spectroscopy. <i>Analyst, The</i> , 2011, 136, 1041.	3.5	45
122	The Recent Electrochemical Biosensor Technologies for Monitoring of Nucleic Acid Hybridization. <i>Current Analytical Chemistry</i> , 2011, 7, 63-70.	1.2	11
123	Electrochemical Monitoring of Nucleic Acid Hybridization by Singleâ€™Use Graphene Oxideâ€™Based Sensor. <i>Electroanalysis</i> , 2011, 23, 272-279.	2.9	82
124	Interaction of Mitomycin C with DNA Immobilized onto Singleâ€™walled Carbon Nanotube/Polymer Modified Pencil Graphite Electrode. <i>Electroanalysis</i> , 2011, 23, 2343-2349.	2.9	17
125	Electrochemical behaviour of carbon paste electrodes enriched with tin oxide nanoparticles using voltammetry and electrochemical impedance spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 154-157.	5.0	26
126	Preparation and characterization of zinc oxide nanoparticles and their sensor applications for electrochemical monitoring of nucleic acid hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 397-403.	5.0	61

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127	Electrochemical DNA Detection Using Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2011, 1, 325-333.	0.2	4
128	Electrochemical DNA Detection Using Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2011, 1, 325-333.	0.2	1
129	Electrochemical Investigation of Interactions between Potential DNA Targeted Compounds, 2,4-Di- and 2,3,4-Trisubstituted Benzimidazo[1,2-a]pyrimidines and Nucleic Acid. <i>Analytical Sciences</i> , 2010, 26, 117-120.	1.6	11
130	Electrochemical investigation of biomolecular interactions between platinum derivatives and DNA by carbon nanotubes modified sensors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 169, 169-173.	3.5	31
131	Characterization of poly(vinylferrocenium) coated surfaces and their applications in DNA sensor technology. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 2039-2050.	2.9	11
132	Streptavidin Modified Carbon Nanotube Based Graphite Electrode for Label-Free Sequence Specific DNA Detection. <i>Electroanalysis</i> , 2010, 22, 611-617.	2.9	38
133	Tin oxide nanoparticles-polymer modified single-use sensors for electrochemical monitoring of label-free DNA hybridization. <i>Talanta</i> , 2010, 82, 1680-1686.	5.5	34
134	Single-Walled Carbon Nanotubes Modified Graphite Electrodes for Electrochemical Monitoring of Nucleic Acids and Biomolecular Interactions. <i>Electroanalysis</i> , 2009, 21, 464-471.	2.9	75
135	Electrochemical Sensing of Aptamer-Protein Interactions Using a Magnetic Particle Assay and Single-Use Sensor Technology. <i>Electroanalysis</i> , 2009, 21, 1278-1284.	2.9	36
136	The Comparison of Electrochemical Assay and Agarose Gel Electrophoresis for the Determination of DNA Damage Induced by Kainic Acid. <i>Electroanalysis</i> , 2009, 21, NA-NA.	2.9	3
137	Direct DNA Hybridization on the Single-Walled Carbon Nanotubes Modified Sensors Detected by Voltammetry and Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , 2009, 21, 2116-2124.	2.9	44
138	Amplified electrochemical DNA-sensing of nanostructured metal oxide films deposited on disposable graphite electrodes functionalized by chemical vapor deposition. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 432-437.	7.8	47
139	Poly(vinylferrocenium) coated disposable pencil graphite electrode for DNA hybridization. <i>Electrochemistry Communications</i> , 2009, 11, 1242-1246.	4.7	32
140	Characterization of redox polymer based electrode and electrochemical behavior for DNA detection. <i>Analytica Chimica Acta</i> , 2009, 643, 83-89.	5.4	25
141	Indicator-based and indicator-free magnetic assays connected with disposable electrochemical nucleic acid sensor system. <i>Talanta</i> , 2009, 78, 187-192.	5.5	19
142	Probing the Electrochemical Properties of Graphene Nanosheets for Biosensing Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8853-8857.	3.1	571
143	Electrochemical Monitoring of DNA Hybridization by Multiwalled Carbon Nanotube Based Screen Printed Electrodes. <i>Electroanalysis</i> , 2008, 20, 1932-1938.	2.9	51
144	Electrochemical Biosensing of DNA Immobilized Poly(Vinylferrocenium) Modified Electrode. <i>Electroanalysis</i> , 2008, 20, 2563-2570.	2.9	26

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145	New tetracyclic heteroaromatic compounds based on dehydroamino acids: photophysical and electrochemical studies of interaction with DNA. <i>Tetrahedron</i> , 2008, 64, 382-391.	1.9	29
146	Procedure 27 Electrochemical detection of calf thymus double-stranded DNA and single-stranded DNA by using a disposable graphite sensor. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, e195-e202.	1.3	2
147	Chapter 19 Genosensor technology for electrochemical sensing of nucleic acids by using different transducers. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, 403-411.	1.3	13
148	Nanomaterial-based electrochemical DNA sensing strategies. <i>Talanta</i> , 2007, 74, 318-325.	5.5	191
149	Development of Streptavidin Carrying Magnetic Nanoparticles and Their Applications in Electrochemical Nucleic Acid Sensor Systems. <i>Electroanalysis</i> , 2007, 19, 798-804.	2.9	55
150	Electrochemical sensing of silver tags labelled DNA immobilized onto disposable graphite electrodes. <i>Electrochemistry Communications</i> , 2007, 9, 2167-2173.	4.7	58
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