

Arzum Erdem

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.

192 papers	6,670 citations	43 h-index	75 g-index
198 ext. papers	7,285 ext. citations	4.5 avg, IF	6.13 L-index

#	Paper	IF	Citations
192	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	3.9	1
191	Impedimetric detection of miRNA biomarkers using paper-based electrodes modified with bulk crystals or nanosheets of molybdenum disulfide.. <i>Talanta</i> , 2022 , 241, 123233	6.2	4
190	Preparation of Surface Plasmon Resonance Aptasensor for Human Activated Protein C Sensing. <i>Methods in Molecular Biology</i> , 2022 , 2393, 37-56	1.4	0
189	Amperometric immunosensor developed for sensitive detection of SARS-CoV-2 spike S1 protein in combined with portable device.. <i>Talanta</i> , 2022 , 244, 123422	6.2	2
188	Detection of Senecionine in Dietary Sources by Single-Use Electrochemical Sensor.. <i>Micromachines</i> , 2021 , 12,	3.3	5
187	Recent Applications of Nanomaterials Based on Electrochemical Drug Analysis. <i>Current Analytical Chemistry</i> , 2021 , 17, 1215-1228	1.7	
186	Paper-based electrode assemble for impedimetric detection of miRNA. <i>Talanta</i> , 2021 , 225, 122043	6.2	7
185	Impedimetric aptasensor for lysozyme detection based on carbon nanofibres enriched screen-printed electrodes. <i>Electrochimica Acta</i> , 2021 , 377, 138078	6.7	4
184	Electrochemical detection of interaction between daunorubicin and DNA by hybrid nanoflowers modified graphite electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129120	8.5	9
183	Levan modified DNA biosensor for voltammetric detection of daunorubicin-DNA interaction. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128818	8.5	7
182	Hybrid nanoflowers modified pencil graphite electrodes developed for electrochemical monitoring of interaction between Mitomycin C and DNA. <i>Talanta</i> , 2021 , 222, 121647	6.2	6
181	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 ^{4.1}		3
180	Paper-Based Electrochemical Biosensors for Voltammetric Detection of miRNA Biomarkers Using Reduced Graphene Oxide or MoS Nanosheets Decorated with Gold Nanoparticle Electrodes. <i>Biosensors</i> , 2021 , 11,	5.9	9
179	Electrochemical Investigation of Curcumin-DNA Interaction by Using Hydroxyapatite Nanoparticles-Ionic Liquids Based Composite Electrodes. <i>Materials</i> , 2021 , 14,	3.5	3
178	Voltammetric detection of miRNA hybridization based on electroactive indicator-cobalt phenanthroline. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 819-825	7.9	6
177	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	4.1	0
176	Carbon quantum dot modified electrodes developed for electrochemical monitoring of Daunorubicin-DNA interaction. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 114011	4.1	9

175	Ionic Liquid Modified Single-use Electrode Developed for Voltammetric Detection of miRNA-34a and its Application to Real Samples. <i>Electroanalysis</i> , 2020 , 32, 384-393	3	6
174	Voltammetric detection of globulin with ionic liquid modified electrodes. <i>Microchemical Journal</i> , 2020 , 153, 104331	4.8	1
173	Nanomaterials-Enriched Nucleic Acid-Based Biosensors 2019 , 303-325		1
172	PAMAM dendrimer modified screen printed electrodes for impedimetric detection of miRNA-34a. <i>Microchemical Journal</i> , 2019 , 148, 748-758	4.8	13
171	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	6.6	4
170	Single-use sensor technology for monitoring of zearalenone in foods: ZentoSens. <i>Microchemical Journal</i> , 2019 , 147, 37-42	4.8	11
169	Eco-friendly Sensors Developed by Herbal Based Silver Nanoparticles for Electrochemical Detection of Mercury (II) Ion. <i>Electroanalysis</i> , 2019 , 31, 1075-1082	3	24
168	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	8.5	6
167	Enzymatic/Immunoassay Dual-Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. <i>Angewandte Chemie</i> , 2019 , 131, 6442-6445	3.6	2
166	Enzymatic/Immunoassay Dual-Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6376-6379	16.4	70
165	Impedimetric detection of Fumonisin B1 and its biointeraction with fsDNA. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 1117-1122	7.9	6
164	Voltammetric and Impedimetric Detection of Interaction Between Dacarbazine and Nucleic Acids. <i>Electroanalysis</i> , 2019 , 31, 2012-2019	3	2
163	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	1.7	2
162	Electrochemical Detection of Solution Phase Hybridization Related to Single Nucleotide Mutation by Carbon Nanofibers Enriched Electrodes. <i>Materials</i> , 2019 , 12,	3.5	2
161	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	7.9	4
160	Chitosan modified graphite electrodes developed for electrochemical monitoring of interaction between daunorubicin and DNA. <i>Sensing and Bio-Sensing Research</i> , 2019 , 22, 100255	3.3	13
159	Surface plasmon resonance aptasensor for detection of human activated protein C. <i>Talanta</i> , 2019 , 194, 528-533	6.2	35
158	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	3.2	1

157	Chitosan/Nitrogen Doped Reduced Graphene Oxide Modified Biosensor for Impedimetric Detection of microRNA. <i>Electroanalysis</i> , 2018 , 30, 551-560	3	18
156	Electrochemical detection of microRNAs by graphene oxide modified disposable graphite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 810, 232-238	4.1	9
155	Electrochemical Determination of 6-Thioguanine and Its Interaction with DNA Oligonucleotides Using Disposable Graphite Pencil Electrodes. <i>Analytical Letters</i> , 2018 , 51, 265-278	2.2	5
154	Dendrimers Integrated Biosensors for Healthcare Applications 2018 , 307-317		3
153	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	3	3
152	Impedimetric detection of miRNA-34a using graphene oxide modified chemically activated graphite electrodes. <i>Sensors and Actuators A: Physical</i> , 2018 , 279, 493-500	3.9	15
151	Hydroxyapatite Nanoparticles Modified Graphite Electrodes for Electrochemical DNA Detection. <i>Electroanalysis</i> , 2018 , 30, 67-74	3	11
150	microRNA biosensors: Opportunities and challenges among conventional and commercially available techniques. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 525-546	11.8	150
149	An Impedimetric Biosensor Based on Ionic Liquid-Modified Graphite Electrodes Developed for microRNA-34a Detection. <i>Sensors</i> , 2018 , 18,	3.8	8
148	Electrochemical Detection of Interaction between Dacarbazine and Nucleic Acids in Comparison to Agarose Gel Electrophoresis. <i>Electroanalysis</i> , 2018 , 30, 1566-1574	3	9
147	Graphene oxide modified single-use electrodes and their application for voltammetric miRNA analysis. <i>Materials Science and Engineering C</i> , 2017 , 75, 1242-1249	8.3	33
146	Graphene Oxide Modified Chemically Activated Graphite Electrodes for Detection of microRNA. <i>Electroanalysis</i> , 2017 , 29, 1350-1358	3	21
145	Electrochemical monitoring of biointeraction by graphene-based material modified pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 207-214	11.8	31
144	Electrochemical detection of DNA interaction with Mannich base derivatives by disposable graphite electrodes. <i>Turkish Journal of Chemistry</i> , 2017 , 41, 40-47	1	1
143	Electrochemical detection of interaction between capsaicin and nucleic acids in comparison to agarose gel electrophoresis. <i>Analytical Biochemistry</i> , 2017 , 535, 56-62	3.1	6
142	Carbon Nanotubes Modified Graphite Electrodes for Monitoring of Biointeraction Between 6-Thioguanine and DNA. <i>Electroanalysis</i> , 2017 , 29, 2292-2299	3	9
141	Biosensors for Detection of Anticancer DrugDNA Interactions 2017 , 349-365		4
140	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	3.9	6

139	CUPRAC colorimetric and electroanalytical methods determining antioxidant activity based on prevention of oxidative DNA damage. <i>Analytical Biochemistry</i> , 2017 , 518, 69-77	3.1	9
138	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	6.2	22
137	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	3.9	24
136	Voltammetric detection of sequence-selective DNA hybridization related to <i>Toxoplasma gondii</i> in PCR amplicons. <i>Talanta</i> , 2016 , 149, 244-249	6.2	11
135	Voltammetric Aptasensor Based on Magnetic Beads Assay for Detection of Human Activated Protein C. <i>Methods in Molecular Biology</i> , 2016 , 1380, 163-70	1.4	1
134	Aptasensor Technologies Developed for Detection of Toxins. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016 , 249-259	0.6	
133	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	3	14
132	Impedimetric detection of pathogenic bacteria with bacteriophages using gold nanorod deposited graphite electrodes. <i>RSC Advances</i> , 2016 , 6, 97832-97839	3.7	27
131	Intracellular uptake study of radiolabeled anticancer drug and impedimetric detection of its interaction with DNA. <i>Talanta</i> , 2016 , 160, 157-163	6.2	23
130	Preparation of gold nanoparticles/single-walled carbon nanotubes/polyaniline composite-coated electrode developed for DNA detection. <i>Polymer Bulletin</i> , 2015 , 72, 3135-3146	2.4	11
129	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	8.5	28
128	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	15
127	Impedimetric Detection of microRNA at Graphene Oxide Modified Sensors. <i>Electrochimica Acta</i> , 2015 , 172, 20-27	6.7	45
126	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	1.4	7
125	Gold nanoparticle/polymer nanocomposite for highly sensitive drug-DNA interaction. <i>Analyst, The</i> , 2015 , 140, 2876-80	5	20
124	Electrochemical assay for determination of gluten in flour samples. <i>Food Chemistry</i> , 2015 , 184, 183-7	8.5	19
123	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	4.1	38
122	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	4.1	14

121	Electrochemical detection of N-homocysteinylation of BSA in the fetal bovine serum medium. <i>RSC Advances</i> , 2015 , 5, 4774-4779	3.7	1
120	Electrochemical investigation of the interaction between topotecan and DNA at disposable graphite electrodes. <i>Bioelectrochemistry</i> , 2015 , 102, 21-8	5.6	42
119	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	6
118	Impedimetric Aptasensor Based on Disposable Graphite Electrodes Developed for Thrombin Detection. <i>Electroanalysis</i> , 2015 , 27, 2864-2871	3	12
117	Multiwalled Carbon Nanotubes-Chitosan Modified Single-Use Biosensors for Electrochemical Monitoring of Drug-DNA Interactions. <i>Electroanalysis</i> , 2015 , 27, 1855-1863	3	26
116	Detection of p53 Gene by Using Genomagnetic Assay Combined with Carbon Nanotube Modified Disposable Sensor Technology. <i>Electroanalysis</i> , 2015 , 27, 1579-1586	3	7
115	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		1
114	Development of Ionic Liquid Modified Disposable Graphite Electrodes for Label-Free Electrochemical Detection of DNA Hybridization Related to Microcystis spp. <i>Sensors</i> , 2015 , 15, 22737-49	3.8	11
113	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	3.6	42
112	Electrochemical monitoring of the interaction between Temozolamide and nucleic acids by using disposable pencil graphite electrodes. <i>Talanta</i> , 2015 , 144, 809-15	6.2	11
111	Electrochemical Detection of a Cancer Biomarker mir-21 in Cell Lysates Using Graphene Modified Sensors. <i>Electroanalysis</i> , 2015 , 27, 317-326	3	39
110	PAMAM dendrimer functionalized magnetic particles developed for voltammetric DNA analysis. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 741, 51-55	4.1	8
109	Voltammetric and impedimetric detection of DNA hybridization by using dendrimer modified graphite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 719, 92-97	4.1	16
108	Dendrimer enriched single-use aptasensor for impedimetric detection of activated protein C. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 338-45	6	17
107	Voltammetric aptasensor combined with magnetic beads assay developed for detection of human activated protein C. <i>Talanta</i> , 2014 , 128, 428-33	6.2	18
106	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	6.2	38
105	Chitosan-ionic liquid modified single-use sensor for electrochemical monitoring of sequence-selective DNA hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 114, 261-8	6	23
104	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	8.5	26

103	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	4.1	12
102	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	8.5	11
101	Chitosan-graphene oxide based aptasensor for the impedimetric detection of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 205-11	6	88
100	Electrochemical Determination of Homocysteine at Disposable Graphite Electrodes. <i>Electroanalysis</i> , 2014 , 26, 1945-1951	3	5
99	DNA Biosensors. <i>Nanostructure Science and Technology</i> , 2014 , 313-330	0.9	2
98	Electrochemical Detection of Activated Protein C Using an Aptasensor Based on PAMAM Dendrimer Modified Pencil Graphite Electrodes. <i>Electroanalysis</i> , 2014 , 26, 2580-2590	3	11
97	Voltammetric and impedimetric DNA detection at single-use graphite electrodes modified with gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 61-6	6	13
96	Genomagnetic assay for electrochemical detection of osteogenic differentiation in mesenchymal stem cells. <i>Analyst, The</i> , 2013 , 138, 5424-30	5	18
95	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	8.5	36
94	Chitosan/Ionic Liquid Composite Electrode for Electrochemical Monitoring of the Surface-Confined Interaction Between Mitomycin C and DNA. <i>Electroanalysis</i> , 2013 , 25, n/a-n/a	3	10
93	Impedimetric detection of in situ interaction between anti-cancer drug bleomycin and DNA. <i>International Journal of Biological Macromolecules</i> , 2013 , 61, 295-301	7.9	42
92	A Novel and Selective Methylene Blue Imprinted Polymer Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2013 , 25, 1278-1285	3	10
91	Electrochemical characterization of redox polymer modified electrode developed for monitoring of adenine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 1-6	6	9
90	Micro- and Nanopatterning for Bacteria- and Virus-Based Biosensing Applications. <i>Series in Sensors</i> , 2013 , 681-694		1
89	Estrone specific molecularly imprinted polymeric nanospheres: synthesis, characterization and applications for electrochemical sensor development. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 503-10	1.3	11
88	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	1.3	8
87	Molecularly Imprinted Polymer-Based Biosensors. <i>Series in Sensors</i> , 2013 , 373-394		
86	Single-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	3	22

85	Synthesis and characterization of water-insoluble statistical copolymer and its application in the development of electrochemical DNA sensor. <i>Talanta</i> , 2012 , 100, 270-5	6.2	2
84	Sensitive sepiolite-carbon nanotubes based disposable electrodes for direct detection of DNA and anticancer drug-DNA interactions. <i>Analyst, The</i> , 2012 , 137, 4001-4	5	27
83	Electrochemical Biosensors for Screening of Toxins and Pathogens. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012 , 323-334	0.1	
82	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	6.7	58
81	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin C-DNA interaction. <i>Analyst, The</i> , 2012 , 137, 2129-35	5	66
80	Label-free impedimetric aptasensor for lysozyme detection based on carbon nanotube-modified screen-printed electrodes. <i>Analytical Biochemistry</i> , 2012 , 421, 454-9	3.1	100
79	Single-walled carbon nanotubes-polymer modified graphite electrodes for DNA hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 91, 77-83	6	23
78	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, 116-20	6	8
77	Electrochemical monitoring of indicator-free DNA hybridization by carbon nanotubes-chitosan modified disposable graphite sensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 95, 222-8	6	40
76	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	0.1	
75	Dendrimer modified graphite sensors for detection of anticancer drug Daunorubicin by voltammetry and electrochemical impedance spectroscopy. <i>Analyst, The</i> , 2011 , 136, 1041-5	5	38
74	The Recent Electrochemical Biosensor Technologies for Monitoring of Nucleic Acid Hybridization. <i>Current Analytical Chemistry</i> , 2011 , 7, 63-70	1.7	11
73	Electrochemical Monitoring of Nucleic Acid Hybridization by Single-Use Graphene Oxide-Based Sensor. <i>Electroanalysis</i> , 2011 , 23, 272-279	3	77
72	Interaction of Mitomycin C with DNA Immobilized onto Single-walled Carbon Nanotube/Polymer Modified Pencil Graphite Electrode. <i>Electroanalysis</i> , 2011 , 23, 2343-2349	3	15
71	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, 154-7	6	21
70	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	6	51
69	Electrochemical DNA Detection Using Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2011 , 1, 325-333	0.5	4
68	Tin oxide nanoparticles-polymer modified single-use sensors for electrochemical monitoring of label-free DNA hybridization. <i>Talanta</i> , 2010 , 82, 1680-6	6.2	31

67	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, 117-20	1.7	11
66	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	3.1	27
65	Characterization of poly(vinylferrocenium) coated surfaces and their applications in DNA sensor technology. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 2039-2050	2.6	10
64	Streptavidin Modified Carbon Nanotube Based Graphite Electrode for Label-Free Sequence Specific DNA Detection. <i>Electroanalysis</i> , 2010 , 22, 611-617	3	35
63	Single-Walled Carbon Nanotubes Modified Graphite Electrodes for Electrochemical Monitoring of Nucleic Acids and Biomolecular Interactions. <i>Electroanalysis</i> , 2009 , 21, 464-471	3	65
62	Electrochemical Sensing of Aptamer-Protein Interactions Using a Magnetic Particle Assay and Single-Use Sensor Technology. <i>Electroanalysis</i> , 2009 , 21, 1278-1284	3	35
61	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	3	43
60	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	8.5	42
59	Poly(vinylferrocenium) coated disposable pencil graphite electrode for DNA hybridization. <i>Electrochemistry Communications</i> , 2009 , 11, 1242-1246	5.1	31
58	Characterization of redox polymer based electrode and electrochemical behavior for DNA detection. <i>Analytica Chimica Acta</i> , 2009 , 643, 83-9	6.6	24
57	Indicator-based and indicator-free magnetic assays connected with disposable electrochemical nucleic acid sensor system. <i>Talanta</i> , 2009 , 78, 187-92	6.2	18
56	Probing the Electrochemical Properties of Graphene Nanosheets for Biosensing Applications. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8853-8857	3.8	509
55	Electrochemical Monitoring of DNA Hybridization by Multiwalled Carbon Nanotube Based Screen Printed Electrodes. <i>Electroanalysis</i> , 2008 , 20, 1932-1938	3	50
54	Electrochemical Biosensing of DNA Immobilized Poly(Vinylferrocenium) Modified Electrode. <i>Electroanalysis</i> , 2008 , 20, 2563-2570	3	25
53	New tetracyclic heteroaromatic compounds based on dehydroamino acids: photophysical and electrochemical studies of interaction with DNA. <i>Tetrahedron</i> , 2008 , 64, 382-391	2.4	27
52	Development of Streptavidin Carrying Magnetic Nanoparticles and Their Applications in Electrochemical Nucleic Acid Sensor Systems. <i>Electroanalysis</i> , 2007 , 19, 798-804	3	52
51	Electrochemical sensing of silver tags labelled DNA immobilized onto disposable graphite electrodes. <i>Electrochemistry Communications</i> , 2007 , 9, 2167-2173	5.1	54
50	Electrochemical investigation of interaction between mitomycin C and DNA in a novel drug-delivery system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 45, 322-6	3.5	32

49	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	1.9	2
48	Chapter 19 Genosensor technology for electrochemical sensing of nucleic acids by using different transducers. <i>Comprehensive Analytical Chemistry</i> , 2007 , 49, 403-411	1.9	9
47	Nanomaterial-based electrochemical DNA sensing strategies. <i>Talanta</i> , 2007 , 74, 318-25	6.2	171
46	Direct DNA hybridization at disposable graphite electrodes modified with carbon nanotubes. <i>Analytical Chemistry</i> , 2006 , 78, 6656-9	7.8	176
45	Genomagnetic assay based on label-free electrochemical detection using magneto-composite electrodes. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 591-598	8.5	67
44	Echinomycin and cobalt-phenanthroline as redox indicators of DNA hybridization at gold electrodes. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 1870-7	2.8	22
43	Label-free electrochemical hybridization genosensor for the detection of hepatitis B virus genotype on the development of Lamivudine resistance. <i>Analytical Chemistry</i> , 2005 , 77, 4908-17	7.8	63
42	Electrochemical detection of enzyme labeled DNA based on disposable pencil graphite electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 38, 191-5	3.5	19
41	Electrochemical genosensing of the interaction between the potential chemotherapeutic agent, cis-bis(3-aminoflavone)dichloroplatinum(II) and DNA in comparison with cis-DDP. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 38, 645-52	3.5	45
40	Electrochemical genomagnetic assay for the detection of hepatitis B virus DNA in polymerase chain reaction amplicons by using disposable sensor technology. <i>Electrochemistry Communications</i> , 2005 , 7, 815-820	5.1	76
39	Allele-specific genotyping by using guanine and gold electrochemical oxidation signals. <i>Bioelectrochemistry</i> , 2005 , 67, 199-203	5.6	11
38	Label-free DNA Hybridization Based on Coupling of a Heated Carbon Paste Electrode with Magnetic Separations. <i>Electroanalysis</i> , 2004 , 16, 928-931	3	41
37	Electrochemical genosensor for mitomycin C-DNA interaction based on guanine signal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 35, 905-12	3.5	47
36	Rigid carbon composites: a new transducing material for label-free electrochemical genosensing. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 567, 29-37	4.1	68
35	Electrochemical genosensor for Mitomycin C?DNA interaction based on guanine signal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 35, 905-905	3.5	1
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33	Electrochemical Biosensor for the Detection of Interaction Between Arsenic Trioxide and DNA Based on Guanine Signal. <i>Electroanalysis</i> , 2003 , 15, 613-619	3	85
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30	Electrochemical genosensor based on colloidal gold nanoparticles for the detection of Factor V Leiden mutation using disposable pencil graphite electrodes. <i>Analytical Chemistry</i> , 2003 , 75, 2181-7	7.8	240
29	Detection of achondroplasia G380R mutation from PCR amplicons by using inosine modified carbon electrodes based on electrochemical DNA chip technology. <i>Clinica Chimica Acta</i> , 2003 , 336, 57-64	6.2	20
28	Clay/Sol-Gel-Modified Electrodes for the Selective Electrochemical Monitoring of 2,4-Dichlorophenol. <i>Langmuir</i> , 2003 , 19, 4728-4732	4	23
27	An Overview to Magnetic Beads Used in Electrochemical DNA Biosensors 2003 , 297-303		
26	Electrochemical DNA Biosensors Based on DNA-Drug Interactions. <i>Electroanalysis</i> , 2002 , 14, 965	3	210
25	Single-Use Thick-Film Electrochemical Sensor for Insulin. <i>Electroanalysis</i> , 2002 , 14, 1365-1368	3	14
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16	Genomagnetic electrochemical assays of DNA hybridization. <i>Talanta</i> , 2002 , 56, 931-8	6.2	116
15	Electrochemical DNA biosensor for the detection of specific gene related to Microcystis species. <i>Electrochemistry Communications</i> , 2001 , 3, 224-228	5.1	73
14	Methylene Blue as a Novel Electrochemical Hybridization Indicator. <i>Electroanalysis</i> , 2001 , 13, 219-223	3	170

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12	Electrochemical DNA biosensor for the determination of benzo[a]pyreneDNA adducts. <i>Analytica Chimica Acta</i> , 2001 , 450, 45-52	6.6	32
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