Arzum Erdem

List of Publications by Year
in descending order

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201 papers	8,091 citations	50276 46 h-index	60623 81 g-index
202 all docs	202 docs citations	202 times ranked	5900 citing authors

#	Article	IF	Citations
1	Probing the Electrochemical Properties of Graphene Nanosheets for Biosensing Applications. Journal of Physical Chemistry C, 2009, 113, 8853-8857.	3.1	571
2	Novel hybridization indicator methylene blue for the electrochemical detection of short DNA sequences related to the hepatitis B virus. Analytica Chimica Acta, 2000, 422, 139-149.	5.4	303
3	Electrochemical Genosensor Based on Colloidal Gold Nanoparticles for the Detection of Factor V Leiden Mutation Using Disposable Pencil Graphite Electrodes. Analytical Chemistry, 2003, 75, 2181-2187.	6.5	270
4	Electrochemical DNA Biosensors Based on DNA-Drug Interactions. Electroanalysis, 2002, 14, 965.	2.9	244
5	microRNA biosensors: Opportunities and challenges among conventional and commercially available techniques. Biosensors and Bioelectronics, 2018, 99, 525-546.	10.1	220
6	Magnetic bead-based label-free electrochemical detection of DNA hybridization. Analyst, The, 2001, 126, 2020-2024.	3.5	211
7	Methylene Blue as a Novel Electrochemical Hybridization Indicator. Electroanalysis, 2001, 13, 219-223.	2.9	191
8	Nanomaterial-based electrochemical DNA sensing strategies. Talanta, 2007, 74, 318-325.	5.5	191
9	Direct DNA Hybridization at Disposable Graphite Electrodes Modified with Carbon Nanotubes. Analytical Chemistry, 2006, 78, 6656-6659.	6.5	186
10	Electrochemical genosensor for the detection of interaction between methylene blue and DNA. Electrochemistry Communications, 2002, 4, 705-709.	4.7	168
11	Interaction of the anticancer drug epirubicin with DNA. Analytica Chimica Acta, 2001, 437, 107-114.	5.4	142
12	Genomagnetic electrochemical assays of DNA hybridization. Talanta, 2002, 56, 931-938.	5.5	131
13	Allele-Specific Genotype Detection of Factor V Leiden Mutation from Polymerase Chain Reaction Amplicons Based on Label-Free Electrochemical Genosensor. Analytical Chemistry, 2002, 74, 5931-5936.	6.5	116
14	Label-free impedimetric aptasensor for lysozyme detection based on carbon nanotube-modified screen-printed electrodes. Analytical Biochemistry, 2012, 421, 454-459.	2.4	114
15	DNA and PNA sensing on mercury and carbon electrodes by using methylene blue as an electrochemical label. Bioelectrochemistry, 2002, 58, 119-126.	4.6	108
16	Disposable electrochemical biosensor for the detection of the interaction between DNA and lycorine based on guanine and adenine signals. Journal of Pharmaceutical and Biomedical Analysis, 2003, 33, 295-302.	2.8	107
17	DNA Electrochemical Biosensor for the Detection of Short DNA Sequences Related to the Hepatitis B Virus. Electroanalysis, 1999, 11, 586-587.	2.9	106
18	Enzymatic/Immunoassay Dualâ€Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. Angewandte Chemie - International Edition, 2019, 58, 6376-6379.	13.8	106

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19	Electrochemical Biosensor for the Detection of Interaction Between Arsenic Trioxide and DNA Based on Guanine Signal. Electroanalysis, 2003, 15, 613-619.	2.9	102
20	Cyclic voltammetry of echinomycin and its interaction with double-stranded and single-stranded DNA adsorbed at the electrode. Bioelectrochemistry, 2002, 55, 165-167.	4.6	99
21	Chitosanâ€“graphene oxide based aptasensor for the impedimetric detection of lysozyme. Colloids and Surfaces B: Biointerfaces, 2014, 115, 205-211.	5.0	97
22	Electrochemical detection of hybridization using peptide nucleic acids and methylene blue on self-assembled alkanethiol monolayer modified gold electrodes. Electrochemistry Communications, 2002, 4, 796-802.	4.7	93
23	Electrochemical DNA biosensor for the detection of specific gene related to Microcystis species. Electrochemistry Communications, 2001, 3, 224-228.	4.7	82
24	Electrochemical Monitoring of Nucleic Acid Hybridization by Singleâ€Use Graphene Oxideâ€Based Sensor. Electroanalysis, 2011, 23, 272-279.	2.9	82
25	Electrochemical genomagnetic assay for the detection of hepatitis B virus DNA in polymerase chain reaction amplicons by using disposable sensor technology. Electrochemistry Communications, 2005, 7, 815-820.	4.7	81
26	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin Câ€“DNA interaction. Analyst, The, 2012, 137, 2129.	3.5	79
27	Rigid carbon composites: a new transducing material for label-free electrochemical genosensing. Journal of Electroanalytical Chemistry, 2004, 567, 29-37.	3.8	77
28	Genomagnetic assay based on label-free electrochemical detection using magneto-composite electrodes. Sensors and Actuators B: Chemical, 2006, 114, 591-598.	7.8	76
29	Singleâ€Walled Carbon Nanotubes Modified Graphite Electrodes for Electrochemical Monitoring of Nucleic Acids and Biomolecular Interactions. Electroanalysis, 2009, 21, 464-471.	2.9	75
30	Label-Free Electrochemical Hybridization Genosensor for the Detection of Hepatitis B Virus Genotype on the Development of Lamivudine Resistance. Analytical Chemistry, 2005, 77, 4908-4917.	6.5	71
31	Enzymatic/Immunoassay Dualâ€Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. Angewandte Chemie, 2019, 131, 6442-6445.	2.0	70
32	Detection of Interaction Between Metal Complex Indicator and DNA by Using Electrochemical Biosensor. Electroanalysis, 1999, 11, 1372-1376.	2.9	66
33	Electrochemical sensing of label free DNA hybridization related to breast cancer 1 gene at disposable sensor platforms modified with single walled carbon nanotubes. Electrochimica Acta, 2012, 82, 137-142.	5.2	65
34	Preparation and characterization of zinc oxide nanoparticles and their sensor applications for electrochemical monitoring of nucleic acid hybridization. Colloids and Surfaces B: Biointerfaces, 2011, 86, 397-403.	5.0	61
35	Electrochemical sensing of silver tags labelled DNA immobilized onto disposable graphite electrodes. Electrochemistry Communications, 2007, 9, 2167-2173.	4.7	58
36	Iron(<scp>iii</scp>) and nickel(<scp>ii</scp>) complexes as potential anticancer agents: synthesis, physicochemical and structural properties, cytotoxic activity and DNA interactions. New Journal of Chemistry, 2015, 39, 5643-5653.	2.8	57

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37	Electrochemical genosensor for Mitomycin Câ€“DNA interaction based on guanine signal. Journal of Pharmaceutical and Biomedical Analysis, 2004, 35, 905-912.	2.8	56
38	Development of Streptavidin Carrying Magnetic Nanoparticles and Their Applications in Electrochemical Nucleic Acid Sensor Systems. Electroanalysis, 2007, 19, 798-804.	2.9	55
39	Impedimetric Detection of microRNA at Graphene Oxide Modified Sensors. Electrochimica Acta, 2015, 172, 20-27.	5.2	54
40	Electrochemical biosensor for the interaction of DNA with the alkylating agent 4,4â€²-dihydroxy chalcone based on guanine and adenine signals. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 1339-1346.	2.8	51
41	Electrochemical Monitoring of DNA Hybridization by Multiwalled Carbon Nanotube Based Screen Printed Electrodes. Electroanalysis, 2008, 20, 1932-1938.	2.9	51
42	Label-Free and Label Based Electrochemical Detection of Hybridization by Using Methylene Blue and Peptide Nucleic Acid Probes at Chitosan Modified Carbon Paste Electrodes. Electroanalysis, 2002, 14, 1685-1690.	2.9	49
43	Indicator-free electrochemical biosensor for microRNA detection based on carbon nanofibers modified screen printed electrodes. Journal of Electroanalytical Chemistry, 2015, 755, 167-173.	3.8	49
44	Label-Free Bioelectronic Detection of Point Mutation by Using Peptide Nucleic Acid Probes. Electroanalysis, 2003, 15, 667-670.	2.9	48
45	Impedimetric detection of in situ interaction between anti-cancer drug bleomycin and DNA. International Journal of Biological Macromolecules, 2013, 61, 295-301.	7.5	48
46	Electrochemical investigation of the interaction between topotecan and DNA at disposable graphite electrodes. Bioelectrochemistry, 2015, 102, 21-28.	4.6	48
47	Ecoâ€friendly Sensors Developed by Herbal Based Silver Nanoparticles for Electrochemical Detection of Mercury (II) Ion. Electroanalysis, 2019, 31, 1075-1082.	2.9	48
48	Label-free DNA Hybridization Based on Coupling of a Heated Carbon Paste Electrode with Magnetic Separations. Electroanalysis, 2004, 16, 928-931.	2.9	47
49	Electrochemical genosensing of the interaction between the potential chemotherapeutic agent, cis-bis(3-aminoflavone)dichloroplatinum(II) and DNA in comparison with cis-DDP. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 645-652.	2.8	47
50	Amplified electrochemical DNA-sensing of nanostructured metal oxide films deposited on disposable graphite electrodes functionalized by chemical vapor deposition. Sensors and Actuators B: Chemical, 2009, 136, 432-437.	7.8	47
51	Electrochemical Detection of a Cancer Biomarker mirâ€21 in Cell Lysates Using Graphene Modified Sensors. Electroanalysis, 2015, 27, 317-326.	2.9	47
52	Surface plasmon resonance aptasensor for detection of human activated protein C. Talanta, 2019, 194, 528-533.	5.5	47
53	Dendrimer modified graphite sensors for detection of anticancer drug Daunorubicin by voltammetry and electrochemical impedance spectroscopy. Analyst, The, 2011, 136, 1041.	3.5	45
54	Direct DNA Hybridization on the Singleâ€Walled Carbon Nanotubes Modified Sensors Detected by Voltammetry and Electrochemical Impedance Spectroscopy. Electroanalysis, 2009, 21, 2116-2124.	2.9	44

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55	Label-free voltammetric detection of MicroRNAs at multi-channel screen printed array of electrodes comparison to graphite sensors. Talanta, 2014, 118, 7-13.	5.5	44
56	Graphene oxide modified single-use electrodes and their application for voltammetric miRNA analysis. Materials Science and Engineering C, 2017, 75, 1242-1249.	7.3	44
57	Electrochemical monitoring of indicator-free DNA hybridization by carbon nanotubesâ€“chitosan modified disposable graphite sensors. Colloids and Surfaces B: Biointerfaces, 2012, 95, 222-228.	5.0	43
58	Multi channel screen printed array of electrodes for enzyme-linked voltammetric detection of MicroRNAs. Sensors and Actuators B: Chemical, 2013, 188, 1089-1095.	7.8	43
59	Paper-Based Electrochemical Biosensors for Voltammetric Detection of miRNA Biomarkers Using Reduced Graphene Oxide or MoS2 Nanosheets Decorated with Gold Nanoparticle Electrodes. Biosensors, 2021, 11, 236.	4.7	42
60	Electrochemical monitoring of biointeraction by graphene-based material modified pencil graphite electrode. Biosensors and Bioelectronics, 2017, 92, 207-214.	10.1	40
61	Electrochemical DNA biosensor for the determination of benzo[a]pyreneâ€“DNA adducts. Analytica Chimica Acta, 2001, 450, 45-52.	5.4	38
62	Streptavidin Modified Carbon Nanotube Based Graphite Electrode for Labelâ€Free Sequence Specific DNA Detection. Electroanalysis, 2010, 22, 611-617.	2.9	38
63	Multiwalled Carbon Nanotubesâ€Chitosan Modified Singleâ€Use Biosensors for Electrochemical Monitoring of Drugâ€DNA Interactions. Electroanalysis, 2015, 27, 1855-1863.	2.9	37
64	Oxytocin imprinted polymer based surface plasmon resonance sensor and its application to milk sample. Sensors and Actuators B: Chemical, 2015, 221, 842-848.	7.8	37
65	Electrochemical investigation of interaction between mitomycin C and DNA in a novel drug-delivery system. Journal of Pharmaceutical and Biomedical Analysis, 2007, 45, 322-326.	2.8	36
66	Electrochemical Sensing of Aptamerâ€Protein Interactions Using a Magnetic Particle Assay and Singleâ€Use Sensor Technology. Electroanalysis, 2009, 21, 1278-1284.	2.9	36
67	Impedimetric detection of pathogenic bacteria with bacteriophages using gold nanorod deposited graphite electrodes. RSC Advances, 2016, 6, 97832-97839.	3.6	35
68	Horseradish Peroxidase Immobilized Electrode for Phenothiazine Analysis. Electroanalysis, 1998, 10, 1241-1248.	2.9	34
69	Tin oxide nanoparticles-polymer modified single-use sensors for electrochemical monitoring of label-free DNA hybridization. Talanta, 2010, 82, 1680-1686.	5.5	34
70	Poly(vinylferrocenium) coated disposable pencil graphite electrode for DNA hybridization. Electrochemistry Communications, 2009, 11, 1242-1246.	4.7	32
71	Electrochemical investigation of biomolecular interactions between platinum derivatives and DNA by carbon nanotubes modified sensors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 169-173.	3.5	31
72	Sensitive sepiolite-carbon nanotubes based disposable electrodes for direct detection of DNA and anticancer drugâ€“DNA interactions. Analyst, The, 2012, 137, 4001.	3.5	31

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73	DNA sensing on glassy carbon electrodes by using hemin as the electrochemical hybridization label. Analytical and Bioanalytical Chemistry, 2002, 373, 710-716.	3.7	30
74	Dendrimer modified 8-channel screen-printed electrochemical array system for impedimetric detection of activated protein C. Sensors and Actuators B: Chemical, 2014, 196, 168-174.	7.8	30
75	Echinomycin and cobalt-phenanthroline as redox indicators of DNA hybridization at gold electrodes. Frontiers in Bioscience - Landmark, 2006, 11, 1870.	3.0	29
76	New tetracyclic heteroaromatic compounds based on dehydroamino acids: photophysical and electrochemical studies of interaction with DNA. Tetrahedron, 2008, 64, 382-391.	1.9	29
77	Singleâ€Use Sensor Platforms Based on Carbon Nanotubes for Electrochemical Detection of DNA Hybridization Related to Microcystis spp.. Electroanalysis, 2012, 24, 502-511.	2.9	29
78	Chitosanâ€“ionic liquid modified single-use sensor for electrochemical monitoring of sequence-selective DNA hybridization. Colloids and Surfaces B: Biointerfaces, 2014, 114, 261-268.	5.0	29
79	Mushroom-based cobalt phthalocyanine dispersed amperometric biosensor for the determination of phenolic compounds. Electroanalysis, 1996, 8, 147-150.	2.9	28
80	Chitosan/Ionic Liquid Composite Electrode for Electrochemical Monitoring of the Surfaceâ€Confined Interaction Between Mitomycin C and DNA. Electroanalysis, 2013, 25, 2321-2329.	2.9	28
81	Graphene Oxide Modified Chemically Activated Graphite Electrodes for Detection of microRNA. Electroanalysis, 2017, 29, 1350-1358.	2.9	28
82	Impedimetric detection of miRNA-34a using graphene oxide modified chemically activated graphite electrodes. Sensors and Actuators A: Physical, 2018, 279, 493-500.	4.1	28
83	Buttermilk Based Cobalt Phthalocyanine Dispersed Ferricyanide Mediated Amperometric Biosensor for the Determination of Xanthine. Electroanalysis, 1998, 10, 273-275.	2.9	27
84	Clay/Solâ€'Gel-Modified Electrodes for the Selective Electrochemical Monitoring of 2,4-Dichlorophenol. Langmuir, 2003, 19, 4728-4732.	3.5	27
85	Intracellular uptake study of radiolabeled anticancer drug and impedimetric detection of its interaction with DNA. Talanta, 2016, 160, 157-163.	5.5	27
86	Chitosan/Nitrogen Doped Reduced Graphene Oxide Modified Biosensor for Impedimetric Detection of microRNA. Electroanalysis, 2018, 30, 551-560.	2.9	27
87	Electrochemical Biosensing of DNA Immobilized Poly(Vinylferrocenium) Modified Electrode. Electroanalysis, 2008, 20, 2563-2570.	2.9	26
88	Electrochemical behaviour of carbon paste electrodes enriched with tin oxide nanoparticles using voltammetry and electrochemical impedance spectroscopy. Colloids and Surfaces B: Biointerfaces, 2011, 86, 154-157.	5.0	26
89	Label-Free Electrochemical Detection of MicroRNA-122 in Real Samples by Graphene Modified Disposable Electrodes. Journal of the Electrochemical Society, 2016, 163, B227-B233.	2.9	26
90	Characterization of redox polymer based electrode and electrochemical behavior for DNA detection. Analytica Chimica Acta, 2009, 643, 83-89.	5.4	25

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91	Gold nanoparticle/polymer nanocomposite for highly sensitive drugâ€“DNA interaction. Analyst, The, 2015, 140, 2876-2880.	3.5	25
92	Development of amino functionalized carbon coated magnetic nanoparticles and their application to electrochemical detection of hybridization of nucleic acids. Talanta, 2017, 164, 175-182.	5.5	25
93	Detection of achondroplasia G380R mutation from PCR amplicons by using inosine modified carbon electrodes based on electrochemical DNA chip technology. Clinica Chimica Acta, 2003, 336, 57-64.	1.1	24
94	Single-walled carbon nanotubes-polymer modified graphite electrodes for DNA hybridization. Colloids and Surfaces B: Biointerfaces, 2012, 91, 77-83.	5.0	24
95	Voltammetric aptasensor combined with magnetic beads assay developed for detection of human activated protein C. Talanta, 2014, 128, 428-433.	5.5	23
96	PAMAM dendrimer modified screen printed electrodes for impedimetric detection of miRNA-34a. Microchemical Journal, 2019, 148, 748-758.	4.5	23
97	Electrochemical detection of interaction between daunorubicin and DNA by hybrid nanoflowers modified graphite electrodes. Sensors and Actuators B: Chemical, 2021, 329, 129120.	7.8	23
98	Single-use sensor technology for monitoring of zearalenone in foods: ZentoSens. Microchemical Journal, 2019, 147, 37-42.	4.5	22
99	Dendrimer enriched single-use aptasensor for impedimetric detection of activated protein C. Colloids and Surfaces B: Biointerfaces, 2014, 117, 338-345.	5.0	21
100	Aptasensor platform based on carbon nanofibers enriched screen printed electrodes for impedimetric detection of thrombin. Journal of Electroanalytical Chemistry, 2015, 758, 12-19.	3.8	21
101	Paper-based electrode assemble for impedimetric detection of miRNA. Talanta, 2021, 225, 122043.	5.5	21
102	Electrochemical detection of enzyme labeled DNA based on disposable pencil graphite electrode. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 191-195.	2.8	20
103	Genomagnetic assay for electrochemical detection of osteogenic differentiation in mesenchymal stem cells. Analyst, The, 2013, 138, 5424.	3.5	20
104	Electrochemical monitoring of the interaction between Temozolamide and nucleic acids by using disposable pencil graphite electrodes. Talanta, 2015, 144, 809-815.	5.5	20
105	Electrochemical assay for determination of gluten in flour samples. Food Chemistry, 2015, 184, 183-187.	8.2	20
106	Hydroxyapatite Nanoparticles Modified Graphite Electrodes for Electrochemical DNA Detection. Electroanalysis, 2018, 30, 67-74.	2.9	20
107	Amperometric immunosensor developed for sensitive detection of SARS-CoV-2 spike S1 protein in combined with portable device. Talanta, 2022, 244, 123422.	5.5	20
108	Indicator-based and indicator-free magnetic assays connected with disposable electrochemical nucleic acid sensor system. Talanta, 2009, 78, 187-192.	5.5	19

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109	Chitosan modified graphite electrodes developed for electrochemical monitoring of interaction between daunorubicin and DNA. Sensing and Bio-Sensing Research, 2019, 22, 100255.	4.2	19
110	Hybrid nanoflowers modified pencil graphite electrodes developed for electrochemical monitoring of interaction between Mitomycin C and DNA. Talanta, 2021, 222, 121647.	5.5	19
111	Voltammetric and impedimetric detection of DNA hybridization by using dendrimer modified graphite electrodes. Journal of Electroanalytical Chemistry, 2014, 719, 92-97.	3.8	18
112	Development of Ionic Liquid Modified Disposable Graphite Electrodes for Label-Free Electrochemical Detection of DNA Hybridization Related to Microcystis spp.. Sensors, 2015, 15, 22737-22749.	3.8	18
113	Preparation of gold nanoparticles/single-walled carbon nanotubes/polyaniline composite-coated electrode developed for DNA detection. Polymer Bulletin, 2015, 72, 3135-3146.	3.3	18
114	Chitosanâ€carbon Nanofiber Modified Singleâ€use Graphite Electrodes Developed for Electrochemical Detection of DNA Hybridization Related to Hepatitis B Virus. Electroanalysis, 2016, 28, 2514-2521.	2.9	18
115	Voltammetric detection of sequence-selective DNA hybridization related to Toxoplasma gondii in PCR amplicons. Talanta, 2016, 149, 244-249.	5.5	18
116	Carbon quantum dot modified electrodes developed for electrochemical monitoring of Daunorubicin-DNA interaction. Journal of Electroanalytical Chemistry, 2020, 862, 114011.	3.8	18
117	Impedimetric detection of miRNA biomarkers using paper-based electrodes modified with bulk crystals or nanosheets of molybdenum disulfide. Talanta, 2022, 241, 123233.	5.5	18
118	Interaction of Mitomycin C with DNA Immobilized onto Singleâ€walled Carbon Nanotube/Polymer Modified Pencil Graphite Electrode. Electroanalysis, 2011, 23, 2343-2349.	2.9	17
119	Levan modified DNA biosensor for voltammetric detection of daunorubicin-DNA interaction. Sensors and Actuators B: Chemical, 2021, 326, 128818.	7.8	17
120	Impedimetric aptasensor for lysozyme detection based on carbon nanofibres enriched screen-printed electrodes. Electrochimica Acta, 2021, 377, 138078.	5.2	17
121	Single-Use Thick-Film Electrochemical Sensor for Insulin. Electroanalysis, 2002, 14, 1365-1368.	2.9	16
122	Electrochemical monitoring of the interaction between mitomycin C and DNA at chitosan--carbon nanotube composite modified electrodes. Turkish Journal of Chemistry, 2015, 39, 1-12.	1.2	16
123	An Impedimetric Biosensor Based on Ionic Liquid-Modified Graphite Electrodes Developed for microRNA-34a Detection. Sensors, 2018, 18, 2868.	3.8	15
124	Electrochemical monitoring of surface confined interaction between 6-Thioguanine and DNA by using single-use graphite electrode. Journal of Electroanalytical Chemistry, 2014, 733, 33-38.	3.8	14
125	Impedimetric Aptasensor Based on Disposable Graphite Electrodes Developed for Thrombin Detection. Electroanalysis, 2015, 27, 2864-2871.	2.9	14
126	Electrochemical detection of microRNAs by graphene oxide modified disposable graphite electrodes. Journal of Electroanalytical Chemistry, 2018, 810, 232-238.	3.8	14

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127	Electrochemical Detection of Interaction between Dacarbazine and Nucleic Acids in Comparison to Agarose Gel Electrophoresis. Electroanalysis, 2018, 30, 1566-1574.	2.9	14
128	Estrone Specific Molecularly Imprinted Polymeric Nanospheres: Synthesis, Characterization and Applications for Electrochemical Sensor Development. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 503-510.	1.1	14
129	Chapter 19 Genosensor technology for electrochemical sensing of nucleic acids by using different transducers. Comprehensive Analytical Chemistry, 2007, 49, 403-411.	1.3	13
130	Voltammetric and impedimetric DNA detection at single-use graphite electrodes modified with gold nanorods. Colloids and Surfaces B: Biointerfaces, 2013, 112, 61-66.	5.0	13
131	Electrochemical Detection of Activated Protein C Using an Aptasensor Based on PAMAM Dendrimer Modified Pencil Graphite Electrodes. Electroanalysis, 2014, 26, 2580-2590.	2.9	13
132	Succinamic acid functionalized PAMAM dendrimer modified pencil graphite electrodes for voltammetric and impedimetric DNA analysis. Sensors and Actuators B: Chemical, 2014, 201, 59-64.	7.8	13
133	Carbon Nanotubes Modified Graphite Electrodes for Monitoring of Biointeraction Between 6â€Thioguanine and DNA. Electroanalysis, 2017, 29, 2292-2299.	2.9	13
134	Diphenhydramine-selective plastic membrane sensor and its pharmaceutical applications. Electroanalysis, 1997, 9, 932-935.	2.9	12
135	A Novel and Selective Methylene Blue Imprinted Polymer Modified Carbon Paste Electrode. Electroanalysis, 2013, 25, 1278-1285.	2.9	12
136	Ionic Liquid Modified Singleâ€use Electrode Developed for Voltammetric Detection of miRNAâ€34a and its Application to Real Samples. Electroanalysis, 2020, 32, 384-393.	2.9	12
137	Voltammetric detection of miRNA hybridization based on electroactive indicator-cobalt phenanthroline. International Journal of Biological Macromolecules, 2020, 158, 819-825.	7.5	12
138	Graphene-Oxide and Ionic Liquid Modified Electrodes for Electrochemical Sensing of Breast Cancer 1 Gene. Biosensors, 2022, 12, 95.	4.7	12
139	Allele-specific genotyping by using guanine and gold electrochemical oxidation signals. Bioelectrochemistry, 2005, 67, 199-203.	4.6	11
140	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. Analytical Sciences, 2010, 26, 117-120.	1.6	11
141	Characterization of poly(vinylferrocenium) coated surfaces and their applications in DNA sensor technology. Journal of Applied Electrochemistry, 2010, 40, 2039-2050.	2.9	11
142	The Recent Electrochemical Biosensor Technologies for Monitoring of Nucleic Acid Hybridization. Current Analytical Chemistry, 2011, 7, 63-70.	1.2	11
143	Impedimetric detection of Fumonisin B1 and its biointeraction with fsDNA. International Journal of Biological Macromolecules, 2019, 139, 1117-1122.	7.5	11
144	Electrochemical Determination of Glutathione in Plasma at Carbon Nanotubes Based Screen Printed Electrodes. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 695-701.	1.1	11

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145	Electrochemical characterization of redox polymer modified electrode developed for monitoring of adenine. Colloids and Surfaces B: Biointerfaces, 2013, 105, 1-6.	5.0	10
146	Zip nucleic acid based single-use biosensor for electrochemical detection of Factor V Leiden mutation. Sensors and Actuators B: Chemical, 2019, 288, 634-640.	7.8	10
147	Detection of p53 Gene by Using Genomagnetic Assay Combined with Carbon Nanotube Modified Disposable Sensor Technology. Electroanalysis, 2015, 27, 1579-1586.	2.9	9
148	PAMAM dendrimer functionalized magnetic particles developed for voltammetric DNA analysis. Journal of Electroanalytical Chemistry, 2015, 741, 51-55.	3.8	9
149	Zinc Oxide Nanowire Decorated Singleâ€Use Electrodes for Electrochemical DNA Detection. Journal of the American Ceramic Society, 2015, 98, 663-668.	3.8	9
150	CUPRAC colorimetric and electroanalytical methods determining antioxidant activity based on prevention of oxidative DNA damage. Analytical Biochemistry, 2017, 518, 69-77.	2.4	9
151	Voltammetric and Impedimetric Detection of Interaction Between Dacarbazine and Nucleic Acids. Electroanalysis, 2019, 31, 2012-2019.	2.9	9
152	ZNA probe immobilized single-use electrodes for impedimetric detection of nucleic acid hybridization related to single nucleotide mutation. Analytica Chimica Acta, 2019, 1071, 78-85.	5.4	9
153	Electrochemical Detection of Solution Phase Hybridization Related to Single Nucleotide Mutation by Carbon Nanofibers Enriched Electrodes. Materials, 2019, 12, 3377.	2.9	9
154	Electrochemical Investigation of Curcuminâ€“DNA Interaction by Using Hydroxyapatite Nanoparticlesâ€“Ionic Liquids Based Composite Electrodes. Materials, 2021, 14, 4344.	2.9	9
155	5-Amino-2-mercapto-1,3,4-thidiazole modified single-use sensors for electrochemical DNA analysis. Colloids and Surfaces B: Biointerfaces, 2012, 93, 116-120.	5.0	8
156	Electrochemical detection of interaction between capsaicin and nucleic acids in comparison to agarose gel electrophoresis. Analytical Biochemistry, 2017, 535, 56-62.	2.4	8
157	Carboxylated-Graphene Decorated Pencil Graphite Electrode as a Platform for Voltammetric Detection of DNA. Journal of the Electrochemical Society, 2017, 164, B723-B729.	2.9	8
158	Electrochemical Determination of 6-Thioguanine and Its Interaction with DNA Oligonucleotides Using Disposable Graphite Pencil Electrodes. Analytical Letters, 2018, 51, 265-278.	1.8	8
159	Preparation and characterization gallic acid-titanium dioxide nanocomposites for biosensing application on voltammetric detection of DNA. Journal of Electroanalytical Chemistry, 2021, 892, 115262.	3.8	8
160	Detection of Senecionine in Dietary Sources by Single-Use Electrochemical Sensor. Micromachines, 2021, 12, 1585.	2.9	8
161	Electrochemical Determination of Homocysteine at Disposable Graphite Electrodes. Electroanalysis, 2014, 26, 1945-1951.	2.9	7
162	Enzyme-linked electrochemical detection of DNA fragments amplified by PCR in the presence of a biotinylated deoxynucleoside triphosphate using disposable pencil graphite electrodes. Monatshefte FÃ¼r Chemie, 2015, 146, 849-855.	1.8	7

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163	Dendrimers Integrated Biosensors for Healthcare Applications. , 2018, , 307-317.		7
164	Magnetic beads assay based on Zip nucleic acid for electrochemical detection of Factor V Leiden mutation. International Journal of Biological Macromolecules, 2019, 125, 839-846.	7.5	6
165	Investigation of Vipera Anatolica Venom Disintegrin via Intracellular Uptake with Radiolabeling Study and Cell-Based Electrochemical Biosensing Assay. Applied Biochemistry and Biotechnology, 2019, 187, 1539-1550.	2.9	6
166	Multielectrode array for simultaneous recording of glucose, oxygen and electrocorticography from cerebral cortex in experimental focal epilepsy. Biosensors and Bioelectronics, 1998, 13, 881-888.	10.1	5
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