

# Miroslav Fojta

## List of Publications by Year in descending order

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189  
papers

7,071  
citations

47006

47  
h-index

74163

75  
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565  
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565  
docs citations

565  
times ranked

4495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry of Cobalt Bis(dicarbollide) Ions Substituted at Carbon Atoms with Hydrophilic Alkylhydroxy and Carboxy Groups. <i>Molecules</i> , 2022, 27, 1761.	3.8	1
2	G-quadruplexes in helminth parasites. <i>Nucleic Acids Research</i> , 2022, 50, 2719-2735.	14.5	10
3	Electrochemistry of icosahedral metal full and half sandwich metallocarboranes in phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116165.	3.8	2
4	Tracing dsDNA Virus-Host Coevolution through Correlation of Their G-Quadruplex-Forming Sequences. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3433.	4.1	11
5	Carborane- or Metallocarborane-Linked Nucleotides for Redox Labeling. Orthogonal Multipotential Coding of all Four DNA Bases for Electrochemical Analysis and Sequencing. <i>Journal of the American Chemical Society</i> , 2021, 143, 7124-7134.	13.7	37
6	Analyses of viral genomes for G-quadruplex forming sequences reveal their correlation with the type of infection. <i>Biochimie</i> , 2021, 186, 13-27.	2.6	33
7	Electrodeposition of silver amalgam particles on screen-printed silver electrodes in voltammetric detection of 4-nitrophenol, bovine serum albumin and artificial nucleosides dTPT3 and d5SICS. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129921.	7.8	1
8	Voltammetric studies of selected porphyrin G-quadruplex ligands and their interaction with DNA in solution and at the mercury electrode surface. <i>Electrochimica Acta</i> , 2021, 394, 139151.	5.2	2
9	SARS-CoV-2 hot-spot mutations are significantly enriched within inverted repeats and CpG island loci. <i>Briefings in Bioinformatics</i> , 2021, 22, 1338-1345.	6.5	20
10	A simple electroanalysis of polyG RNA in mixtures with 3',5'-cyclic guanosine monophosphate achieved by selective desorption of the monomers from the electrode surface. <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115773.	3.8	0
11	Vicinal Diol-ethered Nucleobases as Targets for DNA Redox Labeling with Osmate Complexes. <i>ChemBioChem</i> , 2020, 21, 171-180.	2.6	6
12	Simultaneous voltammetric determination of free tryptophan, uric acid, xanthine and hypoxanthine in plasma and urine. <i>Electrochimica Acta</i> , 2020, 329, 135132.	5.2	13
13	Catalytic and redox activity of nucleic acids at mercury electrodes: Roles of nucleobase residues. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113812.	3.8	4
14	Tuning of Oxidation Potential of Ferrocene for Ratiometric Redox Labeling and Coding of Nucleotides and DNA. <i>Chemistry - A European Journal</i> , 2020, 26, 1286-1291.	3.3	33
15	Electrodeposited silver amalgam particles on pyrolytic graphite in (spectro)electrochemical detection of 4-nitrophenol, DNA and green fluorescent protein. <i>Bioelectrochemistry</i> , 2020, 132, 107436.	4.6	10
16	The Influence of Quadruplex Structure in Proximity to P53 Target Sequences on the Transactivation Potential of P53 Alpha Isoforms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 127.	4.1	9
17	Electroanalysis of unnatural base pair content in plasmid DNA generated in a semi-synthetic organism. <i>Electrochimica Acta</i> , 2020, 364, 137298.	5.2	2
18	Electrochemical reduction and oxidation of eight unnatural 2'-deoxynucleosides at a pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2020, 362, 137210.	5.2	4

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19	G-Quadruplexes in the Archaea Domain. <i>Biomolecules</i> , 2020, 10, 1349.	4.0	31
20	Plasmonic Properties of Silver Amalgam Nanoparticles Studied by Analytical Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 2650-2652.	0.4	1
21	Electrochemistry of icosahedral cobalt bis(dicarbollide) ions and their carbon and boron substituted derivatives in aqueous phosphate buffers. <i>Electrochimica Acta</i> , 2020, 342, 136112.	5.2	7
22	Simple Electrochemical Characterization of ortho- <i>o</i> -Carborane and some of its exo- <i>e</i> -skeletal Derivatives. <i>Electroanalysis</i> , 2020, 32, 1859-1866.	2.9	2
23	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
24	Constant-current chronopotentiometric stripping detection of bovine serum albumin on silver amalgam particles. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113854.	3.8	1
25	Structures and stability of simple DNA repeats from bacteria. <i>Biochemical Journal</i> , 2020, 477, 325-339.	3.7	30
26	Label-free Voltammetric Detection of Products of Terminal Deoxynucleotidyl Transferase Tailing Reaction. <i>Electroanalysis</i> , 2019, 31, 246-255.	2.9	1
27	Electrochemical Reduction and Oxidation of Six Natural 2'-Deoxynucleosides at a Pyrolytic Graphite Electrode in the Presence or Absence of Ambient Oxygen. <i>Electroanalysis</i> , 2019, 31, 2057-2066.	2.9	15
28	Label-free electrochemical analysis of purine nucleotides and nucleobases at disposable carbon electrodes in microliter volumes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113252.	3.8	14
29	Influence of the lengths of thymine, cytosine, and adenine stretches on the two-dimensional condensation of oligodeoxynucleotides at mercury and silver amalgam electrode surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113364.	3.8	7
30	The Rich World of p53 DNA Binding Targets: The Role of DNA Structure. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5605.	4.1	35
31	Voltammetric behavior of a candidate anticancer drug roscovitine at carbon electrodes in aqueous buffers and a cell culture medium. <i>Monatshefte für Chemie</i> , 2019, 150, 461-467.	1.8	7
32	Adsorption and 2D condensation of 5-nitrocytosine at the hanging mercury drop electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113238.	3.8	2
33	p53 Binds Preferentially to Non-B DNA Structures Formed by the Pyrimidine-Rich Strands of GAA-TTC Trinucleotide Repeats Associated with Friedreich's Ataxia. <i>Molecules</i> , 2019, 24, 2078.	3.8	6
34	Silver Amalgam Nanoparticles and Microparticles: A Novel Plasmonic Platform for Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16957-16964.	3.1	12
35	Recent progress in the applications of boron doped diamond electrodes in electroanalysis of organic compounds and biomolecules – A review. <i>Analytica Chimica Acta</i> , 2019, 1077, 30-66.	5.4	158
36	G4Hunter web application: a web server for G-quadruplex prediction. <i>Bioinformatics</i> , 2019, 35, 3493-3495.	4.1	134

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37	Electrochemistry of organic and bioactive compounds. Monatshefte für Chemie, 2019, 150, 371-371.	1.8	0
38	Special Issue of Electroanalysis Dedicated to the Memory of Professor Emil Paleček. Electroanalysis, 2019, 31, 1815-1815.	2.9	0
39	Dual redox labeling of DNA as a tool for electrochemical detection of p53 protein-DNA interactions. Analytica Chimica Acta, 2019, 1050, 123-131.	5.4	5
40	Effects of halide anions on adsorption and 2D condensation of 5-fluorocytosine at hanging mercury drop electrode. Journal of Electroanalytical Chemistry, 2018, 821, 121-125.	3.8	3
41	Butylacrylate-nucleobase Conjugates as Targets for Two-step Redox Labeling of DNA with an Osmium Tetroxide Complex. Electroanalysis, 2018, 30, 371-377.	2.9	3
42	Voltammetric and adsorption study of 4-nitrophenyl-triazole-labeled 2-deoxycytidine and 7-deazaadenosine nucleosides at boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2018, 821, 111-120.	3.8	12
43	Electrochemical reduction of azidophenyl-deoxynucleoside conjugates at mercury surface. Electrochimica Acta, 2018, 259, 377-385.	5.2	3
44	Electrodeposition of silver amalgam particles on ITO – Towards novel electrode material. Journal of Electroanalytical Chemistry, 2018, 821, 53-59.	3.8	14
45	Evidence for allosteric effects on p53 oligomerization induced by phosphorylation. Protein Science, 2018, 27, 523-530.	7.6	7
46	p73, like its p53 homolog, shows preference for inverted repeats forming cruciforms. PLoS ONE, 2018, 13, e0195835.	2.5	10
47	Electrochemical Detection of SNP in Human Mitochondrial DNA Using Cyclic Primer Extension with Biotinylated Nucleotides and Enzymatic Labeling at Disposable Pencil Graphite Electrodes. Electroanalysis, 2018, 30, 2321-2329.	2.9	5
48	Complex Analyses of Short Inverted Repeats in All Sequenced Chloroplast DNAs. BioMed Research International, 2018, 2018, 1-10.	1.9	21
49	Amplified detection of single base mismatches with the competing-strand assay reveals complex kinetic and thermodynamic behavior of strand displacement at the electrode surface. Electrochimica Acta, 2018, 285, 272-283.	5.2	5
50	Terminology of bioanalytical methods (IUPAC Recommendations 2018). Pure and Applied Chemistry, 2018, 90, 1121-1198.	1.9	19
51	Carbon Electrodes in Electrochemical Analysis of Biomolecules and Bioactive Substances. , 2018, , 51-111.		5
52	Magnetic bead-based electrochemical assay for determination of DNA methyltransferase activity. Electrochimica Acta, 2017, 231, 575-581.	5.2	9
53	Label-free detection of canonical DNA bases, uracil and 5-methylcytosine in DNA oligonucleotides using linear sweep voltammetry at a pyrolytic graphite electrode. Electrochemistry Communications, 2017, 82, 34-38.	4.7	36
54	Phenothiazine-linked nucleosides and nucleotides for redox labelling of DNA. Organic and Biomolecular Chemistry, 2017, 15, 6984-6996.	2.8	13

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55	Protein p53 Binding to Cisplatin-modified DNA Targets Evaluated by Modification-specific Electrochemical Immunoprecipitation Assay. <i>Electroanalysis</i> , 2017, 29, 319-323.	2.9	3
56	IFI16 Preferentially Binds to DNA with Quadruplex Structure and Enhances DNA Quadruplex Formation. <i>PLoS ONE</i> , 2016, 11, e0157156.	2.5	30
57	Voltammetric analysis of 5-(4-Azidophenyl)-2-deoxycytidine nucleoside and azidophenyl-labelled single- and double-stranded DNAs. <i>Electrochimica Acta</i> , 2016, 215, 72-83.	5.2	9
58	Chloroacetamide-Linked Nucleotides and DNA for Cross-Linking with Peptides and Proteins. <i>Bioconjugate Chemistry</i> , 2016, 27, 2089-2094.	3.6	34
59	Hydrogen Evolution Facilitates Reduction of DNA Guanine Residues at the Hanging Mercury Drop Electrode: Evidence for a Chemical Mechanism. <i>Electroanalysis</i> , 2016, 28, 2785-2790.	2.9	13
60	Flavonolignan Conjugates as DNA-binding Ligands and Topoisomerase I Inhibitors: Electrochemical and Electrophoretic Approaches. <i>Electroanalysis</i> , 2016, 28, 2866-2874.	2.9	8
61	Electrochemical behavior of 7-deazaguanine- and 7-deazaadenine-modified DNA at the hanging mercury drop electrode. <i>Monatshefte für Chemie</i> , 2016, 147, 3-11.	1.8	4
62	Electrochemistry of different boranes, carbaboranes and their exo-skeletal hydroxy derivatives at the graphite carbon electrode in aqueous phosphate buffers. <i>Electrochimica Acta</i> , 2016, 205, 8-14.	5.2	5
63	Applying Mesoporous Silica SBA-15 in Electrochemical Detection of DNA Hybridization. <i>Electroanalysis</i> , 2016, 28, 1860-1864.	2.9	1
64	Recent progress in electrochemical sensors and assays for DNA damage and repair. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 160-167.	11.4	113
65	Determination of 2-nitrophenol using carbon film electrode. <i>Monatshefte für Chemie</i> , 2016, 147, 173-179.	1.8	4
66	Special Issue on Modern Electrochemical Methods XXXIV and 47th Heyrovský Discussion. <i>Analytical Letters</i> , 2016, 49, 1-3.	1.8	1
67	Interactions of fluorescent dye SYBR Green I with natural and 7-deazaguanine-modified DNA studied by fluorescence and electrochemical methods. <i>Monatshefte für Chemie</i> , 2016, 147, 13-20.	1.8	5
68	Redox Labeling of Nucleic Acids for Electrochemical Analysis of Nucleotide Sequences and DNA Damage. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 309-331.	0.5	2
69	Electrochemical Activity of Wedelolactone and Probing its Interaction with DNA Using Voltammetry at a Carbon Electrode. <i>Electroanalysis</i> , 2015, 27, 2268-2271.	2.9	5
70	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
71	G-quadruplex-based structural transitions in 15-mer DNA oligonucleotides varying in lengths of internal oligo(dG) stretches detected by voltammetric techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5817-5826.	3.7	15
72	Biophysical and electrochemical studies of protein-nucleic acid interactions. <i>Monatshefte für Chemie</i> , 2015, 146, 723-739.	1.8	12

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73	Differential Salt-Induced Dissociation of the p53 Protein Complexes with Circular and Linear Plasmid DNA Substrates Suggest Involvement of a Sliding Mechanism. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3163-3177.	4.1	4
74	Electrochemical behavior of anthraquinone- and nitrophenyl-labeled deoxynucleoside triphosphates: a contribution to development of multipotential redox labeling of DNA. <i>Monatshefte für Chemie</i> , 2015, 146, 839-847.	1.8	8
75	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
76	Electrochemistry of organic, bioactive compounds and biopolymers. <i>Monatshefte für Chemie</i> , 2015, 146, 721-721.	1.8	0
77	Azidopropylvinylsulfonamide as a New Bifunctional Click Reagent for Bioorthogonal Conjugations: Application for DNA-Protein Crosslinking. <i>Chemistry - A European Journal</i> , 2015, 21, 16091-16102.	3.3	20
78	Azidophenyl as a click-transformable redox label of DNA suitable for electrochemical detection of DNA-protein interactions. <i>Chemical Science</i> , 2015, 6, 575-587.	7.4	57
79	Voltammetric Study of dsDNA Modified by Multi-redox Label Based on N-methyl-4-hydrazino-7-nitrobenzofurazan. <i>Electrochimica Acta</i> , 2014, 129, 348-357.	5.2	16
80	Methoxyphenol and Dihydrobenzofuran as Oxidizable Labels for Electrochemical Detection of DNA. <i>ChemPlusChem</i> , 2014, 79, 1703-1712.	2.8	9
81	Electrochemistry of parent and exo-skeletally substituted icosahedral monocarba and dicarbaboranes and their derivatives at the graphite carbon electrode in aqueous phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2014, 730, 16-19.	3.8	8
82	Electrochemical detection of DNA binding by tumor suppressor p53 protein using osmium-labeled oligonucleotide probes and catalytic hydrogen evolution at the mercury electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5843-5852.	3.7	15
83	Enzyme-linked electrochemical DNA ligation assay using magnetic beads. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4129-4136.	3.7	14
84	Electrochemical behaviour of 2,4-dinitrophenylhydraz(o)ne as multi-redox centre DNA label at mercury meniscus modified silver solid amalgam electrode. <i>Electrochimica Acta</i> , 2014, 126, 122-131.	5.2	16
85	DNA and RNA Quadruplex-Binding Proteins. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17493-17517.	4.1	222
86	Vinylsulfonamide and Acrylamide Modification of DNA for Crosslinking with Proteins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10515-10518.	13.8	83
87	Aqueous Heck Cross-Coupling Preparation of Acrylate-Modified Nucleotides and Nucleoside Triphosphates for Polymerase Synthesis of Acrylate-Labeled DNA. <i>Journal of Organic Chemistry</i> , 2013, 78, 9627-9637.	3.2	32
88	Electrochemistry of closo-dodecaborate dianion and its simple exo-skeletal derivatives at carbon electrodes in aqueous phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 38-42.	3.8	12
89	Polymerase synthesis of oligonucleotides containing a single chemically modified nucleobase for site-specific redox labelling. <i>Chemical Communications</i> , 2013, 49, 4652.	4.1	31
90	Thiolate monolayers formed on different amalgam electrodes. Part II: Properties and application. <i>Journal of Electroanalytical Chemistry</i> , 2013, 694, 84-93.	3.8	15

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91	Redox state of p63 and p73 core domains regulates sequence-specific DNA binding. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 445-449.	2.1	16
92	Benzofurazane as a New Redox Label for Electrochemical Detection of DNA: Towards Multipotential Redox Coding of DNA Bases. <i>Chemistry - A European Journal</i> , 2013, 19, 12720-12731.	3.3	54
93	Preferential Binding of Hot Spot Mutant p53 Proteins to Supercoiled DNA In Vitro and in Cells. <i>PLoS ONE</i> , 2013, 8, e59567.	2.5	34
94	GFP-like Fluorophores as DNA Labels for Studying DNA-Protein Interactions. <i>Journal of Organic Chemistry</i> , 2012, 77, 8287-8293.	3.2	75
95	Electrochemical detection of 5-methylcytosine in bisulfite-treated DNA. <i>Electrochimica Acta</i> , 2012, 78, 75-81.	5.2	19
96	Labelling of nucleosides and oligonucleotides by solvatochromic 4-aminophthalimide fluorophore for studying DNA-protein interactions. <i>Chemical Science</i> , 2012, 3, 2797.	7.4	70
97	Synthesis of Hydrazone-Modified Nucleotides and Their Polymerase Incorporation onto DNA for Redox Labeling. <i>ChemPlusChem</i> , 2012, 77, 652-662.	2.8	24
98	Inhibition of topoisomerase III $\beta$ : Novel function of wedelolactone. <i>Cancer Letters</i> , 2011, 303, 29-38.	7.2	58
99	Tail-labelling of DNA probes using modified deoxynucleotide triphosphates and terminal deoxynucleotidyl transferase. Application in electrochemical DNA hybridization and protein-DNA binding assays. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1366.	2.8	59
100	Osmium Tetroxide Complexes as Versatile Tools for Structure Probing and Electrochemical Analysis of Biopolymers. <i>Current Analytical Chemistry</i> , 2011, 7, 35-50.	1.2	29
101	Nucleobase modification as redox DNA labelling for electrochemical detection. <i>Chemical Society Reviews</i> , 2011, 40, 5802.	38.1	132
102	Sensing mispaired thymines in DNA heteroduplexes using an electroactive osmium marker: towards electrochemical SNP probing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 197-204.	3.7	14
103	Oxidation of Sanguinarine and Its Dihydro-Derivative at a Pyrolytic Graphite Electrode Using Ex Situ Voltammetry. Study of the Interactions of the Alkaloids with DNA. <i>Electroanalysis</i> , 2011, 23, 1671-1680.	2.9	11
104	Alkylsulfanylphenyl Derivatives of Cytosine and 7-Deazaadenine Nucleosides, Nucleotides and Nucleoside Triphosphates: Synthesis, Polymerase Incorporation to DNA and Electrochemical Study. <i>Chemistry - A European Journal</i> , 2011, 17, 5833-5841.	3.3	40
105	Antraquinone as a Redox Label for DNA: Synthesis, Enzymatic Incorporation, and Electrochemistry of Anthraquinone-Modified Nucleosides, Nucleotides, and DNA. <i>Chemistry - A European Journal</i> , 2011, 17, 14063-14073.	3.3	59
106	Redox Labels and Indicators Based on Transition Metals and Organic Electroactive Moieties for Electrochemical Nucleic Acids Sensing. <i>Current Organic Chemistry</i> , 2011, 15, 2936-2949.	1.6	19
107	Preparation and Properties of Mercury Film Electrodes on Solid Amalgam Surface. <i>Electroanalysis</i> , 2010, 22, 1967-1973.	2.9	31
108	Oxidation of Protopine at a Pyrolytic Graphite Electrode Using Cyclic and Square-Wave Voltammetry. <i>Electroanalysis</i> , 2010, 22, 2879-2883.	2.9	5

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109	A label-free electrochemical test for DNA-binding activities of tumor suppressor protein p53 using immunoprecipitation at magnetic beads. <i>Analytica Chimica Acta</i> , 2010, 668, 166-170.	5.4	25
110	Electrochemical nucleic acid-based biosensors: Concepts, terms, and methodology (IUPAC Technical) Tj ETQq0 0 0 rgt /Overlock 10 Tf 19	1.9	200
111	Determination of the Level of DNA Modification with Cisplatin by Catalytic Hydrogen Evolution at Mercury-Based Electrodes. <i>Analytical Chemistry</i> , 2010, 82, 2969-2976.	6.5	24
112	Direct Voltammetric Analysis of DNA Modified with Enzymatically Incorporated 7-Deazapurines. <i>Analytical Chemistry</i> , 2010, 82, 6807-6813.	6.5	22
113	The potential of the cruciform structure formation as an important factor influencing p53 sequence-specific binding to natural DNA targets. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1409-1414.	2.1	29
114	Selective binding of tumor suppressor p53 protein to topologically constrained DNA: Modulation by intercalative drugs. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 894-899.	2.1	22
115	Base-Modified DNA Labeled by [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> and [Os(bpy) <sub>3</sub> ] <sup>2+</sup> Complexes: Construction by Polymerase Incorporation of Modified Nucleoside Triphosphates, Electrochemical and Luminescent Properties, and Applications. <i>Chemistry - A European Journal</i> , 2009, 15, 1144-1154.	3.3	96
116	Tetrathiafulvalene-Labelled Nucleosides and Nucleoside Triphosphates: Synthesis, Electrochemistry and the Scope of Their Polymerase Incorporation into DNA. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3519-3525.	2.4	25
117	Detection of Abasic Sites in DNA by Electrochemical, Immuno-electrochemical and Acoustic Methods Using OsO <sub>4</sub> , 2,2'-bipyridine as a Probe for Unpaired Thymine Residues. <i>Electroanalysis</i> , 2009, 21, 295-302.	2.9	17
118	Improved Electrochemical Detection of Purine Nucleobases at Mechanically Roughened Edge-Plane Pyrolytic Graphite Electrode. <i>Electroanalysis</i> , 2009, 21, 666-670.	2.9	16
119	Ex situ Voltammetry and Chronopotentiometry of Doxorubicin at a Pyrolytic Graphite Electrode: Redox and Catalytic Properties and Analytical Applications. <i>Electroanalysis</i> , 2009, 21, 2139-2144.	2.9	43
120	Detection of Single Nucleotide Polymorphisms in p53 Mutation Hotspots and Expression of Mutant p53 in Human Cell Lines Using an Enzyme-Linked Electrochemical Assay. <i>Electroanalysis</i> , 2009, 21, 1723-1729.	2.9	20
121	End-labeling of peptide nucleic acid with osmium complex. Voltammetry at carbon and mercury electrodes. <i>Electrochemistry Communications</i> , 2009, 11, 359-362.	4.7	30
122	Improved sensitivity and selectivity of uric acid voltammetric sensing with mechanically grinded carbon/graphite electrodes. <i>Electrochimica Acta</i> , 2009, 54, 1864-1873.	5.2	24
123	Simultaneous Electrochemical Monitoring of Metabolites Related to the Xanthine Oxidase Pathway Using a Grinded Carbon Electrode. <i>Analytical Chemistry</i> , 2009, 81, 4302-4307.	6.5	25
124	The reduction of doxorubicin at a mercury electrode and monitoring its interaction with DNA using constant current chronopotentiometry. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1727-1738.	1.0	14
125	Sensitive voltammetric detection of DNA damage at carbon electrodes using DNA repair enzymes and an electroactive osmium marker. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1751-1758.	3.7	27
126	Aminophenyl- and Nitrophenyl-Labelled Nucleoside Triphosphates: Synthesis, Enzymatic Incorporation, and Electrochemical Detection. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2059-2062.	13.8	131



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127	Two-dimensional condensation of pyrimidine oligonucleotides during their self-assemblies at mercury based surfaces. <i>Electrochimica Acta</i> , 2008, 53, 2818-2824.	5.2	17
128	Label-Free Sequence-Specific DNA Sensing Using Copper-Enhanced Anodic Stripping of Purine Bases at Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2008, 80, 2391-2399.	6.5	37
129	Effect of Spin-Orbit Coupling on Reduction Potentials of Octahedral Ruthenium(II/III) and Osmium(II/III) Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 10947-10954.	13.7	50
130	Cross-coupling reactions of nucleoside triphosphates followed by polymerase incorporation. Construction and applications of base-functionalized nucleic acids. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2233.	2.8	135
131	Label-Free Electrochemical Monitoring of DNA Ligase Activity. <i>Analytical Chemistry</i> , 2008, 80, 7609-7613.	6.5	17
132	Osmium Tetroxide, 2,2'-Bipyridine: Electroactive Marker for Probing Accessibility of Tryptophan Residues in Proteins. <i>Analytical Chemistry</i> , 2008, 80, 4598-4605.	6.5	29
133	Electrochemical Stripping Techniques in Analysis of Nucleic Acids and their Constituents. <i>Current Analytical Chemistry</i> , 2008, 4, 250-262.	1.2	50
134	DNA topology influences p53 sequence-specific DNA binding through structural transitions within the target sites. <i>Biochemical Journal</i> , 2008, 412, 57-63.	3.7	33
135	Enzyme-Linked Electrochemical Detection of PCR-Amplified Nucleotide Sequences Using Disposable Screen-Printed Sensors. Applications in Gene Expression Monitoring. <i>Sensors</i> , 2008, 8, 193-210.	3.8	20
136	Aminophenyl- and nitrophenyl-labeled DNA. Synthesis by polymerase incorporation of nucleoside triphosphates and electrochemical properties. , 2008, , .		0
137	Magnetic beads as versatile tools for electrochemical DNA and protein biosensing. <i>Talanta</i> , 2007, 74, 276-290.	5.5	218
138	Multicolor Electrochemical Labeling of DNA Hybridization Probes with Osmium Tetroxide Complexes. <i>Analytical Chemistry</i> , 2007, 79, 1022-1029.	6.5	78
139	Ferrocenylethynyl Derivatives of Nucleoside Triphosphates: Synthesis, Incorporation, Electrochemistry, and Bioanalytical Applications. <i>Chemistry - A European Journal</i> , 2007, 13, 9527-9533.	3.3	117
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