

Ales Danhel

List of Publications by Year in descending order

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30
papers

738
citations

687220

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#	ARTICLE	IF	CITATIONS
1	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.	4.0	1
2	Catalytic and redox activity of nucleic acids at mercury electrodes: Roles of nucleobase residues. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113812.	1.9	4
3	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.	2.4	10
4	Plasmonic Properties of Silver Amalgam Nanoparticles Studied by Analytical Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 2650-2652.	0.2	1
5	Constant-current chronopotentiometric stripping detection of bovine serum albumin on silver amalgam particles. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113854.	1.9	1
6	Electrodeposition of Silver Amalgam on Thin Gold Film Electrodes for Voltammetric Detection of 4-Nitrophenol and DNA Labeled with Osmium Tetroxide-Bipyridine Complex. <i>Electroanalysis</i> , 2019, 31, 1952-1960.	1.5	4
7	Silver Amalgam Nanoparticles and Microparticles: A Novel Plasmonic Platform for Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16957-16964.	1.5	12
8	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.	2.6	158
9	Polymer Graphite Pencil Lead as a Cheap Alternative for Classic Conductive SPM Probes. <i>Nanomaterials</i> , 2019, 9, 1756.	1.9	22
10	Voltammetric and adsorption study of 4-nitrophenyl-triazole-labeled 2-deoxycytidine and 7-deazaadenosine nucleosides at boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 111-120.	1.9	12
11	Electrochemical reduction of azidophenyl-deoxynucleoside conjugates at mercury surface. <i>Electrochimica Acta</i> , 2018, 259, 377-385.	2.6	3
12	Electrodeposition of silver amalgam particles on ITO – Towards novel electrode material. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 53-59.	1.9	14
13	Carbon Electrodes in Electrochemical Analysis of Biomolecules and Bioactive Substances. , 2018, , 51-111.		5
14	Label-free detection of canonical DNA bases, uracil and 5-methylcytosine in DNA oligonucleotides using linear sweep voltammetry at a pyrolytic graphite electrode. <i>Electrochemistry Communications</i> , 2017, 82, 34-38.	2.3	36
15	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.	2.6	9
16	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.	1.5	13
17	Applying Mesoporous Silica SBA-15 in Electrochemical Detection of DNA Hybridization. <i>Electroanalysis</i> , 2016, 28, 1860-1864.	1.5	1
18	Recent progress in electrochemical sensors and assays for DNA damage and repair. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 160-167.	5.8	113

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19	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.	2.6	16
20	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.	2.6	16
21	Voltammetric Determination of Dinitronaphthalenes Using a Silver Solid Amalgam Paste Electrode. <i>Analytical Sciences</i> , 2012, 28, 411-415.	0.8	5
22	Voltammetric and amperometric determination of selected dinitronaphthalenes using single crystal silver amalgam based sensors. <i>Electrochimica Acta</i> , 2012, 73, 23-30.	2.6	21
23	Polarographic and voltammetric determination of genotoxic 2-aminofluoren-9-one at mercury electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1775-1790.	1.0	3
24	Polarographic and voltammetric determination of genotoxic nitro derivatives of quinoline using mercury electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1991-2004.	1.0	5
25	Crystalline silver amalgam – a novel electrode material. <i>Analyst</i> , 2011, 136, 3656.	1.7	37
26	Voltammetric Determination of Selected Nitro Compounds at a Polished Silver Solid Amalgam Composite Electrode. <i>Electroanalysis</i> , 2011, 23, 129-139.	1.5	55
27	A novel paste electrode based on a silver solid amalgam and an organic pasting liquid. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 218-222.	1.9	28
28	Amalgam Electrodes in Organic Electrochemistry. <i>Current Organic Chemistry</i> , 2011, 15, 2957-2969.	0.9	72
29	Influence of the soil organic matter content on voltammetric determination of derivatised glyphosate in herbicide contaminated soils. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1263-1275.	1.0	5
30	The Use of Silver Solid Amalgam Working Electrode for Determination of Nitrophenols by HPLC with Electrochemical Detection. <i>Electroanalysis</i> , 2009, 21, 303-308.	1.5	56